



# ACRA MACHINERY 2023 PRICE LIST



**ACRA MACHINERY, INC.**

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## ACRA 1300BV PRECISION ENGINE LATHE



### FEATURES:

<b>Series:</b>	<b>1300BV</b>
Swing Over Bed:	13"
Swing Over Cross Slide:	8-1/4"
Swing in Gap:	18-1/2"
Spindle Bore:	1-9/16"
Spindle Nose:	D1-4
Spindle RPM:	40-2000 (Variable Speeds)
Main Motor:	3 HP
Voltage:	230V AC/1PH/3PH
Dimensions:	72" x 29" x 47"

Made in Taiwan

STOCK#	MODEL	WEIGHT	PRICE
ATEL1340BV	13X40BV Precision Variable Speed Lathe	1,320/1,600 LBS	\$ 11,750.00

### STANDARD EQUIPMENT:

6" 3 Jaw Chuck	Coolant System	Micro Bed Stop
8" 4 Jaw Chuck	4 Way Tool Holder	Halogen Light
Steady/Follow Rest	Full Length Splash Guard	Chuck Guard

### OPTIONAL ACCESSORIES:

	PRICE
Face Plate .....	\$ 250.00
Taper Attachment .....	\$ 1,200.00
Taper Attachment Installation .....	\$ 350.00
Lever Type 5C Collet Closer JFK .....	\$ P.O.R.
Import Collect closer (Taiwan).....	\$ 1,200.00
Newall Digital Read Out 8"X40" DP700.....	\$ 2,620.00
Newall Digital Read Out 8"X40" NMS300.....	\$ 1,450.00
Acu-Rite Digital Read-Out 8" X 40" 203.....	\$ 2,550.00
Acu-Rite Digital Read-Out 8" X 40" 303 .....	\$ 3,000.00
Sony or Fagor or Mitutoyo Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation .....	\$ 250.00
Aloris Tool Post Set (BXA) 5 pc .....	\$ P.O.R.
Import Quick Change Tool Holder.....	\$ 375.00
Live Center MT3.....	\$ 100.00
EVS 460V.....add	\$ 375.00

## ACRA 1440C PRECISION ENGINE LATHE



Made in Taiwan

**FEATURES:**

<b>Series:</b>	<b>1440C</b>	<b>1440CVS</b>
Swing Over Bed:	14"	14"
Swing Over Cross Slide:	8-5/8"	8-5/8"
Distance Between Centers:	40"	40"
Swing In Gap:	20"	20"
Spindle Bore:	1-9/16"	1-9/16"
Spindle Nose:	D1-4	D1-4
Spindle RPM:	80 ~ 2,000	100 ~ 3,000
Number of Speeds:	8	INFINITE VARIABLE
Main Motor:	5 H.P.	5 H.P.
Voltage:	230/460V AC ~ 3 PH	230V/3 PH/1 PH
Dimensions:	8 1/2" x 32" x 50"	8 1/2" x 32" x 50"

STOCK#	MODEL	WEIGHT	PRICE
ATEL1440C	14x40C Precision Engine Lathe	2,700 Lbs.	\$ 15,200.00
ATEL1440CVS	14x40CVS Precision Variable Speed Lathe	2,700 Lbs.	\$ 19,250.00

**STANDARD EQUIPMENT:**

6" - 3 Jaw Chuck	Steady/Follow Rest	Coolant System	4 Way Tool Holder
8" - 4 Jaw Chuck	Halogen Light	Chuck Guard	Full Length Splash Guard

**OPTIONAL ACCESSORIES:**

	PRICE
Face Plate.....	\$ 400.00
Taper Attachment.....	\$ 1,900.00
Taper Attachment Installation.....	\$ 425.00
Lever Type 5C Collet Closer JFK.....	\$ P.O.R.
Import Collet Closer (Taiwan).....	\$ 1,200.00
Newall Digital Read-Out 8"x40" DP700.....	\$ 2,620.00
Newall Digital Read-Out 8"x40" NMS300.....	\$ 1,450.00
Acu-Rite Digital Read-Out 8"x40" 203.....	\$ 2,700.00
Acu-Rite Digital Read-Out 8"x40" 303.....	\$ 3,200.00
Sony or Fagor or Mitutoyo Digital Read-Out .....	\$ P.O.R.
Digital Read-Out Installation.....	\$ 250.00
Import Quick Change Tool Holder.....	\$ 500.00
Aloris Tool Post Set (BXA) 5pc.....	\$ P.O.R.
Live Center MT#3.....	\$ 100.00
5 H.P.~1 Phase Motor.....add	\$ P.O.R.
8" 3-Jaw Chuck (Exchange for 6" 3-Jaw Chuck).....	\$ 200.00
2 Speed Motor (16 Speeds) 3 PH Only.....	\$ 500.00

## ACRA 1400SVS PRECISION VARIABLE SPEED LATHE



Made in Taiwan

### FEATURES:

<b>Series:</b>	<b>1400SVS</b>
Swing Over Bed:	14"
Swing Over Cross Slide:	8-5/8"
Swing in Gap:	20-1/4"
Spindle Bore:	1-1/2"
Spindle Nose:	D1-4
Spindle RPM:	0-2500 (Variable Speeds)
Main Motor:	5 HP
Voltage:	230V AC/1PH/3PH
Dimensions:	71" x 32" x 51"

STOCK#	MODEL	WEIGHT	PRICE
ATEL1440SVS	14X40SVS Precision Variable Speed Lathe	1,650/2,100 LBS	\$ 14,500.00

### STANDARD EQUIPMENT:

6" 3 Jaw Chuck	Coolant System	Micro Bed Stop
8" 4 Jaw Chuck	4 Way Tool Holder	Halogen Light
Steady/Follow Rest	Full Length Splash Guard	Chuck Guard

### OPTIONAL ACCESSORIES:

	PRICE
Face Plate .....	\$ 250.00
Taper Attachment .....	\$ 1,250.00
Taper Attachment Installation .....	\$ 425.00
Lever Type 5C Collet Closer JFK .....	\$ P.O.R.
Import Collect Closer (Taiwan) .....	\$ 1,200.00
Newall Digital Read-Out 8" X 40" DP700 .....	\$ 2,620.00
Newall Digital Read-Out 8"X 40" NMS300.....	\$ 1,450.00
Acu-Rite Digital Read-Out 8" X 40" 203.....	\$ 2,700.00
Acu-Rite Digital Read-Out 8" X 40" 303.....	\$ 3,200.00
Sony or Fagor or Mitutoyo Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation .....	\$ 250.00
Aloris Tool Post Set (BXA) 5 pc.....	\$ P.O.R.
Import Quick Change Tool Holder .....	\$ 375.00
Live Center MT 3 .....	\$ 100.00
EVS 460V .....	\$ 300.00
	add



## ACRA 1400/1600TE PRECISION ENGINE LATHE



**FEATURES:**

<b>Series:</b>	<b>1400TE</b>	<b>1600TE</b>
Swing Over Bed:	14-3/16"	16-3/16"
Swing Over Cross Slide:	8-3/8"	10-3/8"
Swing in Gap:	21"	23"
Spindle Bore:	2-1/16"	
Spindle Nose:	D1-6	
Spindle RPM:	70-1,800 (8 Speeds)	36-1,800 (12 Speeds)
Main Motor:	5 HP	
Voltage:	230/460V AC/3PH	

Made in Taiwan

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
ATEL1440TE	14X40TE Precision Engine Lathe 8 Speed	3,300/3,600 LBS	\$ 16,000.00
ATEL1460TE	14X60TE Precision Engine Lathe 8 Speed	3,500/3,800 LBS	\$ 19,000.00
ATEL1640TE	16X40TE Precision Engine Lathe 12 Speed	3,400/3,700 LBS	\$ 18,500.00
ATEL1660TE	16X60TE Precision Engine Lathe 12 Speed	3,600/3,900 LBS	\$ 20,500.00

**STANDARD EQUIPMENT:**

8" 3 Jaw Chuck	Steady/Follow Rest	Coolant System	Full Length Splash Guard
10" 4 Jaw Chuck	Halogen Light	4 Way Tool Holder	Chuck Guard

**OPTIONAL ACCESSORIES:**

	<b>PRICE</b>
Face Plate .....	\$ 500.00
Micro Bed Stop .....	\$ 300.00
Taper Attachment .....	\$ 2,000.00
Taper Attachment Installation .....	\$ 425.00
Lever Type 5C Collet Closer JFK .....	\$ P.O.R.
Import Collet Closer (Taiwan) .....	\$ 1,300.00
Newall Digital Read-Out-8" X 40" DP700.....	\$ 2,620.00
Newall Digital Read-Out-8" X 40" NMS300.....	\$ 1,450.00
Newall Digital Read-Out-8" X 60" DP700.....	\$ 3,250.00
Newall Digital Read-Out-8" X 60" NMS300.....	\$ 1,600.00
Acu-Rite Digital Read-Out-8" X 40" 203.....	\$ 2,800.00
Acu-Rite Digital Read-Out-8" X 60" 203.....	\$ 3,300.00
Acu-Rite Digital Read-Out-8" X 40" 303.....	\$ 3,300.00
Acu-Rite Digital Read-Out-8" X 60" 303.....	\$ 3,800.00
Sony or Fagor or Mitutoyo Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation.....	\$ 250.00
Aloris Tool Post Set (CXA) 5 pc.....	\$ P.O.R.
Import Quick Change Tool Holder.....	\$ 500.00
Live Center MT4.....	\$ 125.00

\*All prices and specifications subject to change without notice!

## ACRA 1400/1600TVS VARIABLE SPEED LATHES



Made in Taiwan

### FEATURES:

Series:	1400TVS	1600TVS
Swing Over Bed:	14-3/16"	16-3/16"
Swing Over Cross Slide:	8-3/8"	10-3/8"
Swing in Gap:	21"	23"
Spindle Bore:	2-1/16"	
Spindle Nose:	D1-6	
Spindle RPM:	20-2500 (Variable Speeds)	
Main Motor:	5 HP	
Voltage:	230V AC/1PH/3PH	

STOCK#	MODEL	WEIGHT	PRICE
ATEL1440TVS	14X40TVS Precision Variable Speed Lathe	3,300/3,600 LBS	\$ 20,500.00
ATEL1460TVS	*14X60TVS Precision Variable Speed Lathe	3,500/3,800 LBS	\$ 23,000.00
ATEL1640TVS	16X40TVS Precision Variable Speed Lathe	3,400/3,700 LBS	\$ 22,000.00
ATEL1660TVS	16X60TVS Precision Variable Speed Lathe	3,600/3,900 LBS	\$ 24,000.00

\*FOR SPECIAL ORDER NOT IN STOCK

### STANDARD EQUIPMENT:

8" 3 Jaw Chuck	Coolant System	Full Length Splash Guard
10" 4 Jaw Chuck	Halogen Light	Yaskawa Inverter
Steady/Follow Rest	4 Way Tool Holder	Chuck Guard

### OPTIONAL ACCESSORIES:

	PRICE
Face Plate .....	\$ 500.00
Micro Bed Stop.....	\$ 300.00
Taper Attachment .....	\$ 2,000.00
Taper Attachment Installation .....	\$ 425.00
Lever Type 5C Collet Closer JFK .....	\$ P.O.R.
Import Collet Closer (Taiwan).....	\$ 1,300.00
Newall Digital Read-Out-8" X 40" DP700.....	\$ 2,620.00
Newall Digital Read-Out-8" X 40" NMS300.....	\$ 1,450.00
Newall Digital Read-Out-8" X 60" DP700.....	\$ 3,250.00
Newall Digital Read-Out-8" X 60" NMS300.....	\$ 1,600.00
Acu-Rite Digital Read-Out-8" X 40" 203.....	\$ 2,800.00
Acu-Rite Digital Read-Out-8" X 60" 203.....	\$ 3,300.00
Acu-Rite Digital Read-Out-8" X 40" 303.....	\$ 3,300.00
Acu-Rite Digital Read-Out-8" X 60" 303.....	\$ 3,800.00
Sony or Fagor or Mitutoyo Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation.....	\$ 250.00
Aloris Tool Post Set (CXA) 5 pc.....	\$ P.O.R.
Import Quick Change Tool Holder.....	\$ 500.00
EVS 460V.....	\$ 450.00

## ACRA 1500C PRECISION ENGINE LATHE



Made in Taiwan

### FEATURES:

<b>Series:</b>	<b>1500C</b>
Swing Over Bed:	15-1/4"
Swing Over Cross Slide:	9-3/8"
Swing in Gap:	24"
Spindle Bore:	2-3/16"
Spindle Nose:	D1-6
Spindle RPM:	25-2000 (16 Speeds)
Main Motor:	7-1/2 HP
Voltage:	230/460V AC / 3 PH
Dimensions:	92" x 38" x 50"

STOCK#	MODEL	WEIGHT	PRICE
ATEL1550C	15X50C Precision Engine Lathe-W/Clutch	3,200/3,750 LBS	\$ 26,600.00

### STANDARD EQUIPMENT:

8" 3 Jaw Chuck	Coolant System	Full Length Splash Guard	Steady/Follow Rest
10" 4 Jaw Chuck	Halogen Light	Chuck Guard	4 Way Tool Holder

### OPTIONAL ACCESSORIES:

	PRICE
Face Plate.....	\$ 500.00
Micro Bed Stop.....	\$ 300.00
Taper Attachment.....	\$ 2,000.00
Taper Attachment Installation.....	\$ 425.00
Lever Type 5C Collet Closer JFK.....	\$ P.O.R.
Import Collet Closer (Taiwan).....	\$ 1,300.00
Newall Digital Read-Out-8" X 50" DP700.....	\$ 2,819.00
Newall Digital Read-Out-8" NMS300.....	\$ 1,600.00
Acu-Rite Digital Read-Out-8" X 50" 203.....	\$ 3,100.00
Acu-Rite Digital Read-Out-8" X 50" 303.....	\$ 3,600.00
Sony or Fagor or Mitutoyo Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation.....	\$ 250.00
Aloris Tool Post Set (CXA) 5 pc.....	\$ P.O.R.
Import Quick change Tool Holder.....	\$ 500.00
Live Center MT 4.....	\$ 125.00



## ACRA 1640GCY PRECISION ENGINE LATHE



**FEATURES:**

<b>Series:</b>	<b>1640GCY</b>
Swing Over Bed:	16"
Over Cross Slide:	10-3/16"
Swing in Gap:	22-13/16"
Spindle Bore:	2-1/32"
Spindle Nose:	D1-6
Spindle RPM:	33-2000 (16 Speeds)
Main Motor:	7-1/2 HP
Voltage:	220 or 440V AC~3 PH
Dimensions:	83" x 41" x 56"

Made in China

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
ATEL1640GCY	1640GCY Precision Engine Lathe (16 Speed)	3,085/3,600 LBS	\$ 12,000.00

**STANDARD EQUIPMENT:**

8" 3 Jaw Chuck	Coolant System	Full Length Splash Guard	Steady/Follow Rest
10" 4 Jaw Chuck	Halogen Light	Chuck Guard	4 Way Tool Holder

**OPTIONAL ACCESSORIES:**

	<b>PRICE</b>
Face Plate.....	\$ 500.00
Micro Bed Stop.....	\$ 300.00
Taper Attachment .....	\$ 1,750.00
Taper Attachment Installation.....	\$ 425.00
Lever Type 5C Collect Closer JFK.....	\$ P.O.R.
Import Collet Closer (Taiwan).....	\$ 1,300.00
Newall Digital Read-Out-8" X 40" DP700.....	\$ 2,620.00
Newall Digital Read-Out-8" X 40" NMS300.....	\$ 1,450.00
Acu-Rite Digital Read-Out-8" X 40" 203.....	\$ 2,800.00
Acu-Rite Digital Read-Out-8" X 40" 303 .....	\$ 3,300.00
Sony or Fagor or Mitutoyo Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation.....	\$ 250.00
Aloris Tool Post Set (CXA) 5 pc.....	\$ P.O.R.
Import Quick Change Tool Holder.....	\$ 500.00
Live Center MT 4.....	\$ 125.00

\*All prices and specifications subject to change without notice!

## ACRA 1700 ACH PRECISION ENGINE LATHE



### FEATURES:

Series:	1700ACH-2	1700ACH-3
Swing Over Bed:		17"
Swing Over Cross Slide:		10-1/2"
Swing in Gap:		24"
Spindle Bore:	2-1/4"	/ 3"
Spindle Nose:	D1-6	/ D1-8
Spindle RPM:	35-2000 (12 Speeds) / 29-1650 (12 Speeds)	
Main Motor:	7-1/2 HP	
Voltage:	230/460V AC / 3 PH	

Made in Taiwan

STOCK#	MODEL	WEIGHT	PRICE
ATEL1743ACH	17X43ACH PRECISION ENGINE LATHE	3,740/4,300 LBS	\$ 22,000.00
ATEL1767ACH	17X67ACH PRECISION ENGINE LATHE 3" HOLE	4,180/4,750 LBS	\$ 24,000.00
			ADD \$ 2,200.00

### STANDARD EQUIPMENT:

10" 3 Jaw Chuck	Coolant System	Full Length Splash Guard	Steady Rest
12" 4 Jaw Chuck	Halogen Light	4 Way Tool Holder	Chuck Guard

### OPTIONAL ACCESSORIES:

Steady Rest 4.7" .....	\$	750.00
Steady Rest 6" .....	\$	950.00
Steady Rest 8" .....	\$	1,150.00
Steady Rest 9.25" .....	\$	1,450.00
Follow Rest.....	\$	275.00
Face Plate 2" DI-6.....	\$	400.00
Face Plate 3" DI-8.....	\$	600.00
Micro Bed Stop.....	\$	300.00
Taper Attachment.....	\$	2,750.00
Taper Attachment Installation.....	\$	425.00
Lever Type 5C Collet Closer JFK.....	\$	P.O.R.
Import Collet Closer 2" (Taiwan).....	\$	1,300.00
Import Collet Closer 3" (Taiwan).....	\$	1,450.00
Newall Digital Read-Out-10" x 40" DP700.....	\$	2,620.00
Newall Digital Read-Out-10" x 40" NMS300.....	\$	1,500.00
Newall Digital Read-Out-10" x 62" DP700.....	\$	3,250.00
Newall Digital Read-Out-10" x 62" NMS300.....	\$	1,650.00
Acu-Rite Digital Read-Out-10" x 43" 203.....	\$	2,900.00
Acu-Rite Digital Read-Out-10" x 67" 203.....	\$	3,500.00
Acu-Rite Digital Read-Out-10" x 43" 303.....	\$	3,400.00
Acu-Rite Digital Read-Out-10" x 67" 303.....	\$	4,000.00
Sony or Fagor or Mitutoyo Digital Read-Out .....	\$	P.O.R.
D.R.O. Installation.....	\$	250.00
Aloris Tool Post Set (CXA) 5 pc.....	\$	P.O.R.
Import Quick Change Tool Holder.....	\$	500.00
Live Center MT 4.....	\$	125.00

\*All prices and specifications subject to change without notice!

## ACRA 1700ACE HIGH SPEED PRECISION ENGINE LATHE



Made in Taiwan

**FEATURES:**

Series: **1700V**  
 Swing Over Bed: 17"  
 Swing Over Cross Slide: 9-5/8"  
 Swing in Gap: 26"  
 Spindle Bore: 2-1/4"  
 Spindle Nose: D1-6  
 Spindle RPM: 42-2300  
                     Variable Speed  
 Main Motor: 7-1/2 HP  
 Voltage: 220V AC/1PH/3PH

STOCK#	MODEL	WEIGHT	PRICE
ATEL1740V	17X40V Precision Engine Lathe	3,500/3,750 LBS	\$ 19,000.00

\*For Special Order Not in Stock

**STANDARD EQUIPMENT:**

10" 3 Jaw Chuck	Coolant System	Full Length Splash Guard	Steady Rest
12" 4 Jaw Chuck	Halogen Light	4 Way Tool Holder	

**OPTIONAL ACCESSORIES:**

	PRICE
Follow Rest.....	\$ 300.00
Face Plate.....	\$ 500.00
Micro Bed Stop.....	\$ 300.00
Taper Attachment.....	\$ 2,000.00
Taper Attachment Installation.....	\$ 425.00
Lever Type 5C Collet Closer JFK.....	\$ P.O.R.
Import Collet Closer (Taiwan).....	\$ 1,300.00
Newall Digital Read-Out-10" X 40" DP700.....	\$ 2,620.00
Newall Digital Read-Out-10" X 40" NMS300.....	\$ 1,450.00
Acu-Rite Digital Read-Out-10" X 40" 203.....	\$ 2,800.00
Acu-Rite Digital Read-Out-10" X 40" 303.....	\$ 3,300.00
Sony or Fagor or Mitutoyo Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation.....	\$ 250.00
Import Quick Change Tool Holder.....	\$ 500.00
Aloris Tool Post Set (CXA) 5 pc.....	\$ P.O.R.
Chuck Guard.....	\$ 350.00
Live Center MT 4.....	\$ 125.00
EVS 440V.....	\$ 400.00

## ACRA 1700TE PRECISION ENGINE LATHES (2-1/2" Bore)



**FEATURES:**

<b>Series:</b>	<b>1700TE-2</b>
Swing Over Bed:	17"
Swing Over Cross Slide:	10-7/8"
Swing in Gap:	24-7/16"
Spindle Bore:	2-1/2"
Spindle Nose:	D1-6
Spindle RPM:	36-1800 (12 Speeds)
TVS	30-2300 (3 Steps)
Main Motor:	7-1/2 H.P.
Voltage:	230/460V AC ~ 3 PH

**Made in Taiwan**

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
ATEL1740TE-2	17X40TE-2 Precision Engine Lathe	3850/4500 LBS	\$ 20,500.00
ATEL1760TE-2	17X60TE-2 Precision Engine Lathe	4150/4800 LBS	\$ 23,000.00
1700/2100TVS-2	1700TVS-2 Variable Speed Lathe 230VAC/1PH/3PH	Add	\$ 4,500.00

**STANDARD EQUIPMENT:**

10" 3 Jaw Chuck	Coolant System	Full Length Splash Guard	Steady/Follow Rest
12" 4 Jaw Chuck	Halogen Light	*2 Speed Tail stock (21" Only)	4 Way Tool Holder Chuck Guard

**OPTIONAL ACCESSORIES:**

	<b>PRICE</b>
6" Steady Rest.....	\$ 750.00
9" Steady Rest.....	\$ 1,000.00
Face Plate.....	\$ 500.00
Micro Bed Stop.....	\$ 350.00
Taper Attachment.....	\$ 2,000.00
Taper Attachment Installation.....	\$ 425.00
Lever Type 5C Collet Closer JFK D1-6.....	\$ P.O.R.
Import Collet Closer (Taiwan).....	\$ 1,300.00
Newall Digital Read-Out-10" X 40" DP700.....	\$ 2,620.00
Newall Digital Read-Out-10" X 40" NMS300.....	\$ 1,450.00
Newall Digital Read-Out-10" X 60" DP700.....	\$ 3,250.00
Newall Digital Read-Out-10" X 60" NMS300.....	\$ 1,600.00
Acu-Rite Digital Read-Out-10" X 40" 203.....	\$ 2,850.00
Acu-Rite Digital Read-Out-10" X 60" 203.....	\$ 3,350.00
Acu-Rite Digital Read-Out-10" X 40" 303.....	\$ 3,350.00
Acu-Rite Digital Read-Out-10" X 60" 303.....	\$ 3,800.00
Sony or Fagor or Mitutoyo Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation.....	\$ 250.00
Aloris Tool Post Set (CXA) 5 pc.....	\$ P.O.R.
Import Quick Change Tool Holder.....	\$ 500.00
Live Center MT 4.....	\$ 125.00
TVS 460V.....	\$ 500.00

# ACRA 1700/2100TE PRECISION ENGINE LATHES

## (3-1/8" Bore)



Made in Taiwan

**FEATURES:**

Series:	1700TE-3	2100TE-3
Swing Over Bed:	17"	21-3/8"
Swing Over Cross Slide:	10-7/8"	15-1/4"
Swing in Gap:	24-7/16"	28-3/4"
Spindle Bore:	3-1/8"	3-1/8"
Spindle Nose:	D1-8	
Spindle RPM TE:	26-1500 (12 Speeds)	
Spindle RPM TVS:	20-1800 (3 Steps)	
Main Motor:	10 H.P.	12-1/2 H.P.
Voltage:	230/460V AC ~ 3 PH	

STOCK#	MODEL	WEIGHT	PRICE
ATEL1740TE-3	17X40TE-3 Precision Engine Lathe	3850/4500 LBS	\$ 23,000.00
ATEL1760TE-3	17X60TE-3 Precision Engine Lathe	4150/4800 LBS	\$ 26,000.00
ATEL2140TE-3	21X40TE-3 Precision Engine Lathe	4050/4700 LBS	\$ 25,000.00
ATEL2160TE-3	21X60TE-3 Precision Engine Lathe	4350/5000 LBS	\$ 28,000.00
ATEL2190TE-3	21X86.61TE-3 Precision Engine Lathe	5100/5700 LBS	\$ 30,000.00
1700/2100TVS-3	1700 TVS Variable Speed Lathe 230VAC/1PH/3PH	Add	\$ 5,000.00
	2100 TVS Variable Speed Lathe 230VAC/1PH/3PH		\$ 6,000.00

**STANDARD EQUIPMENT:**

10"/12" 3 Jaw Chuck	Coolant System	Full Length Splash Guard	Steady/Follow Rest
12"/16" 4 Jaw Chuck	Halogen Light	*2 Speed Tail stock (21" Only)	4 Way Tool Holder Chuck Guard

**OPTIONAL ACCESSORIES:**

	PRICE
6" Steady Rest for 17".....	\$ 750.00
9" Steady Rest for 17".....	\$ 1,000.00
6" Steady Rest for 21".....	\$ 1,100.00
9" Steady Rest for 21".....	\$ 1,750.00
Face Plate.....	\$ 600.00
Micro Bed Stop.....	\$ 350.00
Taper Attachment.....	\$ 2,000.00
Taper Attachment Installation.....	\$ 425.00
Lever Type 5C Collet Closer JFK D1-8.....	\$ P.O.R.
Import Collet Closer (Taiwan).....	\$ 1,450.00
Newall Digital Read-Out-10" X 40" DP700.....	\$ 2,620.00
Newall Digital Read-Out-10" X 40" NMS300.....	\$ 1,450.00
Newall Digital Read-Out-10" X 60" DP700.....	\$ 3,250.00
Newall Digital Read-Out-10" X 60" NMS300.....	\$ 1,600.00
Newall Digital Read-Out-10" X86" DP700.....	\$ 4,000.00
Newall Digital Read-Out-10" X86" NMS300.....	\$ 1,800.00
Acu-Rite Digital Read-Out-10" X 40" 203.....	\$ 2,850.00
Acu-Rite Digital Read-Out-10" X 60" 203.....	\$ 3,350.00
Acu-Rite Digital Read-Out-10" X 86" 203.....	\$ 4,000.00
Acu-Rite Digital Read-Out-10" X 40" 303.....	\$ 3,350.00
Acu-Rite Digital Read-Out-10" X 60" 303.....	\$ 3,800.00
Acu-Rite Digital Read-Out-10" X 86" 303.....	\$ 4,500.00
Sony or Fagor or Mitutoyo Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation.....	\$ 250.00
Aloris Tool Post Set (CXA) 5 pc.....	\$ P.O.R.
Import Quick Change Tool Holder.....	\$ 500.00
Live Center MT 4.....	\$ 125.00
TVS 460V.....	\$ 500.00

\*All prices and specifications subject to change without notice!



## ACRA 1800/2100C PRECISION ENGINE LATHES



Made in Taiwan

### FEATURES:

Series:	1800C	2100C
Swing Over Bed:	18"	21"
Swing Over Cross Slide:	11"	14"
Swing in Gap:	28"	31"
Spindle Bore:	3-1/8"	
Spindle Nose:	D1-8	
Spindle RPM:	20 – 1600 (16 Speeds)	
Main Motor:	12-1/2 HP	
Voltage:	230/460V AC~3PH	

STOCK#	MODEL	WEIGHT	PRICE
ATEL1860C	18X60C Precision Engine Lathe –W/Clutch	6,100 LBS	\$ 35,000.00
ATEL1880C	*18X80C Precision Engine Lathe –W/Clutch	6,820 LBS	\$ 37,250.00
ATEL18120C	*18X120C Precision Engine Lathe –W/Clutch/Rapid Travel	8,400 LBS	\$ 41,750.00
ATEL2160C	21X60C Precision Engine Lathe –W/Clutch	6,750 LBS	\$ 36,250.00
ATEL2180C	21X80C Precision Engine Lathe –W/Clutch	7,480 LBS	\$ 39,000.00
ATEL21120C	21X120C Precision Engine Lathe –W/Clutch/Rapid Travel	8,300 LBS	\$ 42,500.00

\*For Special Order Not in Stock

### STANDARD EQUIPMENT:

10"/12" 3 Jaw Chuck	Coolant System	Full Length Splash Guard
12"/16" 4 Jaw Chuck	Halogen Light	Micro Bed Stop
Steady/Follow Rest	4 Way Tool Holder	Chuck Guard

### OPTIONAL ACCESSORIES:

	PRICE
Face Plate .....	\$ 600.00
Taper Attachment .....	\$ 2,000.00
Taper Attachment Installation .....	\$ 425.00
Lever Type 5C Collet Closer JFK.....	\$ P.O.R.
Import Collet Closer (Taiwan).....	\$ 1,450.00
Newall Digital Read-Out-10" X 60" DP700.....	\$ 3,250.00
Newall Digital Read-Out-10" X 60" NMS300.....	\$ 1,600.00
Newall Digital Read-Out-10" X 80" DP700.....	\$ 3,950.00
Newall Digital Read-Out-10" X 80" NMS300.....	\$ 1,800.00
Newall Digital Read-Out-10" X120" DP700.....	\$ 5,200.00
Newall Digital Read-Out-10" X120" NMS300.....	\$ 2,300.00
Acu-Rite Digital Read-Out-10" X 60" 203.....	\$ 3,350.00
Acu-Rite Digital Read-Out-10" X 80" 203.....	\$ 3,900.00
Acu-Rite Digital Read-Out-10" X 120" 203.....	\$ 5,000.00
Acu-Rite Digital Read-Out-10" X 60" 303.....	\$ 3,800.00
Acu-Rite Digital Read-Out-10" X 80" 303.....	\$ 4,350.00
Acu-Rite Digital Read-Out-10" X 120" 303.....	\$ 5,500.00
Sony or Fagor or Mitutoyo Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation .....	\$ 375.00
Aloris Tool Post Set (CA) 5 pc.....	\$ P.O.R.
Import Quick Change Tool Holder .....	\$ 500.00
Live Center MT 5.....	\$ 500.00

## ACRA 2200/2600 ACH PRECISION ENGINE LATHE



### FEATURES:

Series:	2200ACH	2600ACH
Swing Over Bed:	22"	26"
Swing Over Cross Slide:	13-3/8"	17-1/2"
Swing in Gap:	31-3/8"	35-1/8"
Spindle Bore:	4-1/16"	
Spindle Nose:	D1-11	
Spindle RPM:	13-1200 (12 Speeds)	
Main Motor:	15 HP/4P	
Voltage:	230/460V AC/3PH	

### STOCK#

ATEL2260ACH	22X60ACH	Precision Engine Lathe
ATEL2290ACH	22X90ACH	Precision Engine Lathe
ATEL22120ACH	22X120ACH	Precision Engine Lathe
ATEL22160ACH	*22X160ACH	Precision Engine Lathe
ATEL2660ACH	26X60ACH	Precision Engine Lathe
ATEL2690ACH	26X90ACH	Precision Engine Lathe
ATEL26120ACH	26X120ACH	Precision Engine Lathe
ATEL26160ACH	26X160ACH	Precision Engine Lathe

### WEIGHT

Weight	Configuration	Price
6,500 LBS		\$ 37,000.00
7,000 LBS		\$ 39,500.00
7,500 LBS	Rapid Standard	\$ 47,500.00
8,250 LBS	Rapid Standard	\$ 55,500.00
6,700 LBS		\$ 39,000.00
7,200 LBS		\$ 41,500.00
7,700 LBS	Rapid Standard	\$ 49,500.00
8,450 LBS	Rapid Standard	\$ 57,500.00

### PRICE

\*For Special Order Not in Stock

### STANDARD EQUIPMENT:

15" 3 Jaw Chuck	Coolant System	4 Way Tool Holder	Removable Gap
Steady Rest (1-3/5" ~ 10")	LED Light	Full Length Splash Guard	Chuck Guard

### OPTIONAL ACCESSORIES:

Accessory	PRICE
Steady Rest (1-3/5" ~ 10").....	\$ 3,250.00
Large Steady Rest (7-1/2" ~ 15") .....	\$ 3,500.00
7" Follow Rest .....	\$ 700.00
20" Face Plate .....	\$ 1,000.00
Taper Attachment .....	\$ 4,000.00
Taper Attachment Install.....	\$ 425.00
Newall Digital Read-Out-14" X 60" DP700.....	\$ 3,250.00
Newall Digital Read-Out-14" X 60" NMS300.....	\$ 1,600.00
Newall Digital Read-Out-14" X 88" DP700.....	\$ 4,000.00
Newall Digital Read-Out-14" X 88" NMS300.....	\$ 1,900.00
Newall Digital Read-Out-14" X 120" DP700.....	\$ 5,200.00
Newall Digital Read-Out-14" X 120" NMS300.....	\$ 2,300.00
Newall Digital Read-Out-14" X 160" DP700.....	\$ 6,500.00
Acu-Rite Digital Read-Out-16" X 60" 203.....	\$ 3,500.00
Acu-Rite Digital Read-Out-16" X 90" 203.....	\$ 4,400.00
Acu-Rite Digital Read-Out-16" X 120" 203.....	\$ 5,400.00
Acu-Rite Digital Read-Out-16" X 60" 303.....	\$ 3,950.00
Acu-Rite Digital Read-Out-16" X 90" 303.....	\$ 4,850.00
Acu-Rite Digital Read-Out-16" X 120" 303.....	\$ 5,750.00
Sony or Fagor or Mitutoyo Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation.....	\$ 375.00
Aloris Tool Post Set (CA) 5pc.....	\$ P.O.R.
Import Quick Change Tool Holder.....	\$ 750.00
Live Center MT 5.....	\$ 500.00
20" 4 Jaw Chuck (China).....	\$ 2,500.00
16" 4 Jaw Chuck.....	\$ 1,750.00
Micro Carriage Stop .....	\$ 400.00
4 Position Carriage Stop.....	\$ 500.00

\*All prices and specifications subject to change without notice!

## ACRA 2800/3200/3600SET PRECISION ENGINE LATHE



Made in Taiwan

### FEATURES:

Series:	2800SET	3200SET	3600SET
Swing Over Bed:	28-3/4 "	32-5/8"	36-5/8"
Swing Over Cross Slide:	19-5/8"	23-5/8"	27-1/2"
Swing in Gap:	39-3/8"	43-1/4"	47-1/4"
Spindle Bore	6"		
Spindle Nose:	A2-11		
Spindle RPM:	15-1000 (12 Speeds)		
Main Motor:	25 HP x 4 P		
Voltage:	230/460V AC/3PH		

STOCK#	MODEL	WEIGHT	PRICE
ATEL2860SET	28 x 60SET Precision Engine Lathe	11,900 LBS	\$ 61,250.00
ATEL2880SET	28 x 80SET Precision Engine Lathe	12,800 LBS	\$ 63,000.00
ATEL28120SET	28 x 120SET Precision Engine Lathe	14,500 LBS	\$ 71,250.00
ATEL28160SET	28 x 160SET Precision Engine Lathe	16,300 LBS	\$ 82,750.00
ATEL28200SET	28 x 200SET Precision Engine Lathe	18,100 LBS	\$ 96,500.00
ATEL28240SET	28 x 240SET Precision Engine Lathe	19,900 LBS	\$ 115,000.00
ATEL28280SET	28 x 280SET Precision Engine Lathe	21,800 LBS	\$ 142,500.00
ATEL3260SET	32 x 60SET Precision Engine Lathe	12,100 LBS	\$ 63,000.00
ATEL3280SET	32 x 80SET Precision Engine Lathe	13,000 LBS	\$ 65,000.00
ATEL32120SET	32 x 120SET Precision Engine Lathe	14,700 LBS	\$ 73,500.00
ATEL32160SET	32 x 160SET Precision Engine Lathe	16,500 LBS	\$ 84,500.00
ATEL32200SET	32 x 200SET Precision Engine Lathe	18,300 LBS	\$ 98,250.00
ATEL32240SET	32 x 240SET Precision Engine Lathe	20,100 LBS	\$ 116,750.00
ATEL32280SET	32 x 280SET Precision Engine Lathe	22,000 LBS	\$ 144,000.00
<b>ATEL3600SET Series</b>	<b>3660-36280 SET</b>		<b>Add \$ 3,000.00</b>
<b>D1-11 4" Spindle nose</b>	<b>Special Order</b>		

### STANDARD EQUIPMENT:

Full Length Rear Splash Guard	Coolant System	Full Length Splash Guard	2-12" Steady/Follow Rest
20" 3 Jaw Chuck	Halogen Light	2 Way Rapid Traverse	4 Way Tool Holder

### OPTIONAL ACCESSORIES:

	PRICE
Steady Rest (20") .....	\$ 3,500.00
Steady Rest (24") SET 32",36" Only.....	\$ 4,500.00
Face Plate.....	\$ 1,150.00
Taper Attachment.....	\$ 4,000.00
Installation Taper Attachment.....	\$ 750.00
Change 6" to 9" A2-15 Nose.....	\$ 20,000.00
Newall Digital Read-Out-60" DP700.....	\$ 3,250.00
Newall Digital Read-Out-60" NMS300.....	\$ 1,600.00
Newall Digital Read-Out-80" DP700.....	\$ 3,950.00
Newall Digital Read-Out-80" NMS300.....	\$ 1,800.00
Newall Digital Read-Out-120" DP700.....	\$ 5,200.00
Newall Digital Read-Out-120" NMS300.....	\$ 2,300.00
Newall Digital Read-Out-160" DP700.....	\$ 6,500.00
Newall Digital Read-Out-200" DP700.....	\$ 8,100.00
Newall Digital Read-Out-240" DP700.....	\$ 8,600.00
Acu-Rite Digital Read-Out-60"/80"/120" 203/303.....	\$ P.O.R.
Fagor or Mitutoyo Digital Read-Out.....	\$ P.O.R.
Import Quick Change Tool Post .....	\$ 1,600.00
Aloris Tool Post Set (DA) 5 pc.....	\$ P.O.R.

## ACRA 3000/3300/4000FCH HEAVY DUTY ENGINE LATHE



Made in Taiwan

### FEATURES:

Series:	FCH3000	FCH3300	FCH4000
Swing Over Bed:	30-11/16"	33-7/8"	40-3/16"
Swing Over Cross Slide:	20-1/2"	24"	30-15/16"
Swing in Gap:	42-1/2"	46-1/16"	52-3/8"
Spindle Bore:		4-1/8"	
Spindle Nose:		D1-11	
Spindle RPM:	12-1200, or 8-800 (Optional)		
Main Motor:	20 HP / 4P		
Voltage:	220/440V AC 3PH		

STOCK#	MODEL		PRICE: 30"	33"	40"
ATEL30/33/4080FCH	30/33/40x80FCH	Precision Engine Lathe	\$ 57,700.00	\$ 59,500.00	\$ 61,200.00
ATEL30/33/40120FCH	30/33/40x120FCH	Precision Engine Lathe	\$ 63,700.00	\$ 65,500.00	\$ 71,200.00
ATEL30/33/40160FCH	30/33/40x160FCH	Precision Engine Lathe	\$ 72,200.00	\$ 75,500.00	\$ 79,000.00
ATEL30/33/40200FCH	30/33/40x200FCH	Precision Engine Lathe	\$ 81,700.00	\$ 86,700.00	\$ 87,900.00
ATEL30/33/40240FCH	30/33/40x240FCH	Precision Engine Lathe	\$ 95,500.00	\$ 100,700.00	\$ 103,200.00
ATEL30/33/40280FCH	30/33/40x280FCH	Precision Engine Lathe	\$ 113,500.00	\$ 118,500.00	\$ 120,500.00

### STANDARD EQUIPMENT:

Steady Rest (8" ~ 15-1/4")	Halogen Light	Rapid Traverse	Toolbox
Coolant System	4 Way Tool Holder	Multi-position Length Stop	Dead Center

### OPTIONAL ACCESSORIES:

	PRICE
Steady Rest with roller jaws (11-1/2" ~ 19-9/16").....	\$ 3,000.00
Steady Rest with roller jaws (15" ~ 22") .....	\$ 4,000.00
Follow Rest .....	\$ 1,500.00
26" Face Plate.....	\$ 1,250.00
30" Face Plate.....	\$ 2,000.00
Full Length Splash Guard (80") .....	\$ 1,200.00
Full Length Splash Guard (120") .....	\$ 1,800.00
Full Length Splash Guard (160").....	\$ P.O.R.
Full Length Splash Guard (200").....	\$ P.O.R.
Telescopic Taper Attachment (hardened ground) with roller.....	\$ 5,000.00
Micro Stop .....	\$ 600.00
Turret Carriage Stop.....	\$ 600.00
Drilling Attachment .....	\$ 3,000.00
Aloris DA Tool Post (DA) and 5pc.....	\$ 1,900.00
Newall or Acu-Rite or Sony or Mitutoyo Digital Read-Out.....	\$ P.O.R.

## ACRA 4500/5100 SGT HEAVY DUTY PRECISION LATHE



Made in Taiwan

### FEATURES:

Series:	4500SGT	5100SGT
Swing Over Bed:	45-5/8"	51-1/2"
Swing Over Cross Slide:	33-7/16"	39-3/8"
Swing Over Gap:	66-7/8"	72-3/4"
Spindle Bore:	6"	
Spindle Nose:	A2-11	
Spindle RPM:	3-300 rpm	
Motor:	30 HP	
Voltage:	230/460V AC/3PH	

STOCK#	MODEL	WEIGHT	PRIC
ATEL4560SGT	45x60SGT Precision Engine Lathe	17,500 LBS	\$ 105,900.00
ATEL4580SGT	45x80SGT Precision Engine Lathe	18,750 LBS	\$ 110,600.00
ATEL45120SGT	45x120SGT Precision Engine Lathe	21,400 LBS	\$ 123,900.00
ATEL45160SGT	45x160SGT Precision Engine Lathe	24,050 LBS	\$ 139,300.00
ATEL45200SGT	45x200SGT Precision Engine Lathe	26,700 LBS	\$ 158,300.00
ATEL45240SGT	45x240SGT Precision Engine Lathe	29,320 LBS	\$ 179,150.00
ATEL45280SGT	45x280SGT Precision Engine Lathe	31,960 LBS	\$ 205,600.00
ATEL45320SGT	45x320SGT Precision Engine Lathe	33,300 LBS	\$ 227,800.00
ATEL45360SGT	45x360SGT Precision Engine Lathe	39,160 LBS	\$ 255,000.00
ATEL45400SGT	45x400SGT Precision Engine Lathe	41,800 LBS	\$ 288,900.00
<b>ATELSGT51 SERIES (5160SGT~51400 SGT)</b>			Add \$ 6,700.00

### STANDARD EQUIPMENT:

Halogen Light	4 Way Tool Holder	4 Way Rapid Traverse	Coolant System
Electromagnetic Brake	Work Light	Travel Splash Guard	Stead Rest (11.6")

### OPTIONAL ACCESSORIES:

	PRICE
Steady Rest (2-3/4" ~ 16-15/16") .....	\$ 3,850.00
Steady Rest (11" ~ 23-1/2") .....	\$ 6,300.00
Steady Rest (23"~ 34-5/8").....	\$ 11,150.00
Follow Rest.....	\$ 1,900.00
Face Plate .....	\$ 1,350.00
9" Spindle Bore A2-15.....	\$ 22,250.00
10" Spindle Bore A2-15.....	\$ 30,000.00
12.2" Spindle Bore A2-20.....	\$ 75,000.00
14" Spindle Bore.....	\$ 83,350.00
21" Spindle Bore A2-28.....	\$ 122,250.00
Taper Attachment.....	\$ 6,700.00
Installation Taper Attachment .....	\$ 1150.00
40" Chuck Cover .....	\$ 3,900.00
Full Length Splash Guard 80" .....	\$ 1,850.00
Full Length Splash Guard 120" .....	\$ 2,450.00
Full Length Splash Guard 160" .....	\$ 3,100.00
Full Length Splash Guard 200" .....	\$ 4,300.00
Full Length Splash Guard 240" .....	\$ 5,450.00
Auto Rapid Threading Device.....	\$ 11,150.00
Aloris Tool Post Set (DA) 5pc.....	\$ 2,150.00
Newall Digital Read-Out-60"/80"/100"/120"/160"/200"/240"/280"/320"/360"/400".....	\$ P.O.R.



## ACRA 5900/6500 SHT HEAVY DUTY PRECISION ENGINE LATHE

### FEATURES:



Series:	5900SHT	6500SHT
Swing Over Bed:	59"	64-7/8"
Swing Over Cross Slide:	47-1/4"	53-9/64"
Swing Over Gap:	80-11/16"	86-5/8"
Spindle Bore:	6"	
Spindle Nose:	A2-15	
Spindle RPM:	3-300 rpm	
MOTOR:	40 HP	
Voltage:	230/460V AC/3PH	

STOCK#	MODEL		WEIGHT	PRICE
ATEL5980SHT	59x80SHT	Precision Engine Lathe	26,400 LBS	\$ 165,600.00
ATEL59120SHT	59x120SHT	Precision Engine Lathe	29,900 LBS	\$ 183,350.00
ATEL59160SHT	59x160SHT	Precision Engine Lathe	33,400 LBS	\$ 200,000.00
ATEL59200SHT	59x200SHT	Precision Engine Lathe	36,960 LBS	\$ 224,450.00
ATEL59240SHT	59x240SHT	Precision Engine Lathe	40,480 LBS	\$ 241,150.00
ATEL59280SHT	59x280SHT	Precision Engine Lathe	44,000 LBS	\$ 277,800.00
ATEL59320SHT	59x320SHT	Precision Engine Lathe	47,520 LBS	\$ 311,150.00
ATEL59360SHT	59x360SHT	Precision Engine Lathe	51,000 LBS	\$ 350,000.00
ATEL59400SHT	59x400SHT	Precision Engine Lathe	54,560 LBS	\$ 393,350.00
ATEL59480SHT	59x480SHT	Precision Engine Lathe	58,120 LBS	\$ 495,600.00
ATEL59560SHT	59x560SHT	Precision Engine Lathe	61,680 LBS	\$ 625,600.00
ATEL59600SHT	59x600SHT	Precision Engine Lathe	65,240 LBS	\$ 672,250.00

**ATEL SHF 65 SERIES (6580SHT-65600SHT)** Add \$ 8,000.00

### STANDARD EQUIPMENT:

Halogen Light      4 Way Tool Holder      4 Way Rapid Traverse      Coolant System  
 Electromagnetic Brake      Steady Rest

### OPTIONAL ACCESSORIES:

	PRICE
Steady Rest (2-3/4" ~ 16-15/16") .....	\$ 6,000.00
Steady Rest (11" ~ 23-1/2") .....	\$ 7,700.00
Steady Rest (23" ~ 34-5/8") .....	\$ 13,350.00
Steady Rest (31-1/2" ~ 43-5/16") .....	\$ 20,000.00
Taper Attachment .....	\$ 10,000.00
Installation Taper Attachment .....	\$ 850.00
Full Length Splash Guard 80" .....	\$ 2,150.00
Full Length Splash Guard 120" .....	\$ 2,800.00
Full Length Splash Guard 160" .....	\$ 3,500.00
Full Length Splash Guard 200" .....	\$ 4,900.00
Full Length Splash Guard 240" .....	\$ 6,250.00
Spindle Bores 9", 10", 12", 14", 16", 21" .....	\$ P.O.R.
Auto Rapid Threading Device .....	\$ P.O.R.
Double Chuck Attachment .....	\$ P.O.R.
Aloris Tool Post Set (DA) 5pc .....	\$ 2,150.00
Newall Digital Read-Out-80"/100"/120"/160"/200"/240 .....	\$ P.O.R.

\*All prices and specifications subject to change without notice!

## ACRA 618EVS/68EVS PRECISION TOOL ROOM LATHE & CHUCKING MACHINE



### FEATURES:

Series:	ATL618 EVS	AHR68 EVS
Swing Over Bed:	11"	14"
Swing Over Cross Slide:	6"	4-1/2"
Spindle Speed:	0 ~ 4,000 (Variable)	
Spindle Nose:	5C (10degree)/4degree Taper	
Main Motor:	5 HP	5 HP (opt)
Voltage:	230V AC / 1PH / 3PH.	
Dimensions:	73" x 30" x 67"	

Made in Taiwan

STOCK#	MODEL	WEIGHT	PRICE
ATL618EVS1	ATL618EVS1 High Speed/High Accuracy Tool Room Lathe (5HP)	2,222 LBS	\$ 30,500.00

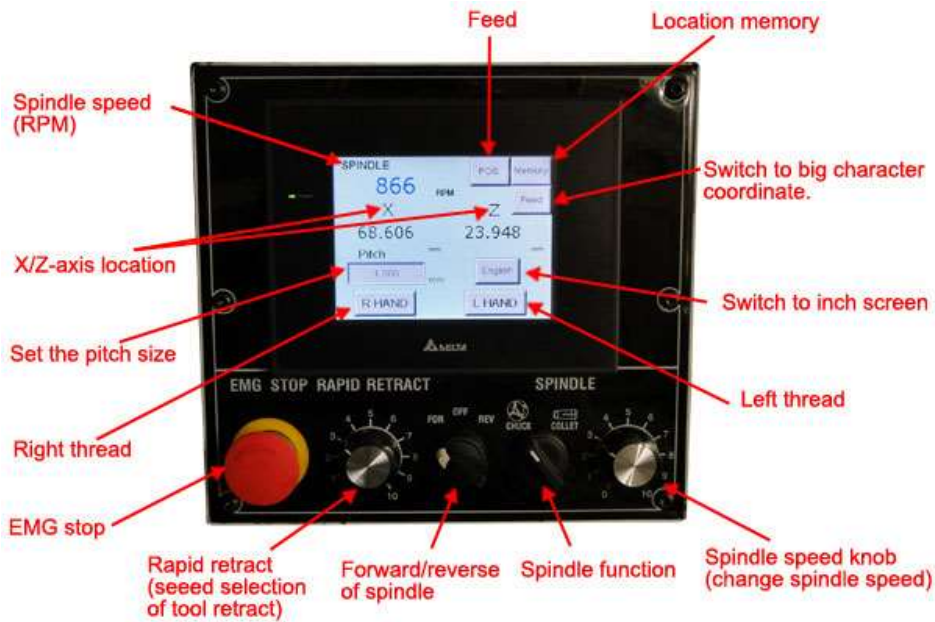
### STANDARD EQUIPMENT:

5C Lever Collet Closer	Coolant System	Tool Holder
Special Tools	LED Light	8 Position Carriage Stop (AHR68E)
8 Position Tool Turret (AHR68E)	Direct Reading Spindle Speeds	Inch/Metric Threading

### OPTIONAL ACCESSORIES:

	PRICE
Indication Carriage Stop ( No Gauge) ( T-CDS-618) .....	\$ 220.00
Follow Rest ( T-FR-300) .....	\$ 700.00
Fixture Plate ( T-317) .....	\$ 450.00
Taper Turning Attachment (TL-T-01) .....	\$ 2,250.00
6" 4 Jaw Scroll Chuck with Back Plate .....	\$ 1,200.00
6" 3 Jaw Adjust TRU Chuck With Back Plate .....	\$ 1,200.00
Tool Setting Gage ( T-302) .....	\$ 120.00
5C Collet Fixture Plate (3-3/8" Dia.) (T-304A) .....	\$ 170.00
5C Collet Fixture Plate (4-3/8" Dia) ( T-304B) .....	\$ 190.00
Chip and Coolant Shield ( T-CS-10) .....	\$ 1,600.00
Vertical Cut-Off Slide ( LB-68-11) .....	\$ 1,300.00
Steady Rest ( T-SR-300) .....	\$ 1,300.00
Rear Tool Holden Slide Assembly ( T-RT S-10) .....	\$ 800.00
Double Tool Cross Slide with Bed Adaptor ( AHR68E/ CHR-68-08) .....	\$ 2,500.00
Lead Screw Follower ( LB-09F) .....	\$ 800.00
Threading Gage (T-TD-68) .....	\$ 350.00
Newall Digital Read-Out .....	\$ 2,475.00
Heidenhain Digital Read-Out .....	\$ 3,350.00
Mitutoyo Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation .....	\$ 280.00
Aloris Tool Post Set (AXA) 5 pc.....	\$ P.O.R.
460Volt Transformer .....	\$ 600.00
Single Phase 220V.....	\$ 150.00

# ACRA ATL618E HIGH SPEED/HIGH ACCURACY TOOL ROOM LATHE W/ DIGITAL THREADING CONTROL



## FEATURES:

<b>Series:</b>	<b>ATL618E</b>
Swing Over Bed:	11"
Swing Over Cross Slide:	6"
Spindle Speed:	150 ~ 4,000 rpm
Spindle Nose:	5C (10 degree)/4-degree Taper
Hole Thru Spindle:	1-1/4"
Main Motor:	5 HP
Voltage:	230V AC/1PH/3PH
Dimensions:	73" x 30" x 67"

Made in Taiwan

STOCK#	MODEL	WEIGHT	PRICE
ATL618E	ATL618E High Speed/High Accuracy Toolroom Lathe W/Digital Threading Control	2,400 LBS	\$ 33,000.00

## STANDARD EQUIPMENT:

5C Lever Collet Closer	Coolant System	Tool Holder	Special Tools
Direct Reading Spindle Speeds	Electronic Threading	Digital Read-Out.	LED Light

(Optional Accessories Check Page 19)

## ACRA ATS27EVS/ATL27EVS HIGH SPEED/HIGH ACCURACY SECOND OPERATION MACHINE/TOOLMAKER'S LATHE



### FEATURES:

Series:	ATS27EVS	ATL27EVS
Swing Over Bed:	9"	
Spindle RPM:	0-4000 rpm	
Spindle Nose:	5C (10 degree)/4-degree Taper	
Main Motor:	3 HP	
Voltage:	230V AC / 3 PH	
Dimensions:	69" x 28" x 63"	

Made in Taiwan

STOCK#	MODEL	WEIGHT	PRICE
ATS27EVS	ATS27EVS High Speed/High Accuracy Second Operation Lathe	1,000LBS	\$ 18,500.00
ATL27EVS	ATL27EVS High Speed/High Accuracy Second Operation Toolmaker's Lathe	1,000 LBS	\$ 18,500.00

### STANDARD EQUIPMENT:

5C Lever Collet Closer	Double Tool Cross Slide (ATS)	Coolant System
Six Station Bed Turret (ATS)	Automatic Spindle Brake	
Tailstock (ATL)	Compound and Cross Slide (ATL)	

### OPTIONAL ACCESSORIES:

	PRICE
Releasing Tap Holder ( T-RT-08) .....	\$ 500.00
Adjustable Revolving Stop ( T-RS-201) .....	\$ 180.00
5C Collet Set .....	\$ 400.00
Vertical Cut-Off Slide Without Blade ( CTS-27-08) .....	\$ 1,100.00
Straight and Taper Turning Slide ( CTS-27-07) .....	\$ 1,100.00
6" 3 Jaw Adjust TRU Chuck W / Back Plate .....	\$ 1,200.00
6" 4 Jaw Scroll Chuck with Back Plate .....	\$ 1,200.00
Compound and Cross Slide ( CTS-27-10) .....	\$ 2,400.00
Tailstock ( CTS-27-11) .....	\$ 2,000.00
Chip and Coolant Shield ( T-CS-10) .....	\$ 1,600.00
EVS 460V .....	\$ 300.00
Aloris Tool Post Set (AXA) 5 pc.....	\$ P.O.R
Single Phase 220V.....	\$ 150.00

## ACRA AP27EVS HIGH PERFORMANCE FINISHING LATHE



Made in Taiwan

### FEATURES:

<b>Series:</b>	<b>AFL27EVS</b>
Swing Over Bed:	9"
Spindle RPM:	0-4000 rpm
Spindle Nose:	5C (10 degree)/4-degree Taper
Main Motor:	1 HP
Voltage:	230V AC / 1 PH / 3 PH
Dimensions:	36" x 36" x 55"

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
AFL27EVS	AFL27EVS High Performance Finishing Lathe MACHINE ONLY.	900 LBS	\$ 11,000.00

### STANDARD EQUIPMENT:

5C Lever Collet Closer

### OPTIONAL ACCESSORIES:

	<b>PRICE</b>
6" 4 Jaw Scroll Chuck with Back Plate .....	\$ 950.00
6" 3 Jaw Adjust TRU Chuck With Back Plate .....	\$ 950.00
Compound and Cross Slide ( CTS-27-10) .....	\$ 2,200.00
Double Tool Cross Slide with Bed Adapter ( CHR-68-12) .....	\$ 2,050.00
EVS-460V .....	\$ 250.00



## ACRA LCM 42 & 50 VARIABLE SPEED/STEP PULLEY VERTICAL MILL



Made in Taiwan

**FEATURES:**

<b>Series:</b>	<b>LCM42</b>	<b>LCM50</b>
Table Size:	9" X 42"	9" x 50"
X, Y, Z Axis Travel:	30" X 12" X 16" X 5"	38" X 12" X 16" X 5"
Motor:	3 HP	
Spindle Nose:	R-8 or #30 NST	
Spindle RPM:	(LCM42/50SP)	80 ~ 5,520 RPM
Spindle RPM:	(LCM42/50) & (AC)	60 ~ 4,500 RPM
Voltage:	(LCM42/50SP)	230V AC/3PH or 460V Only
	(LCM42/50AC)	230V AC 1PH/3PH
	(LCM42/50)	230/460V AC/3PH
		(AC/460V opt)

STOCK#	MODEL	WEIGHT	9" X 42"	9" X 50"
LCM42/50SP	LCM42/50 Step Pulley Mill	2,400/2,500 LBS	\$ 9,600.00	\$ 9,850.00
LCM42	LCM42 Variable Speed Mill	2,400 LBS	\$ 10,100.00	
LCM50	LCM50 Variable Speed Mill	2,500 LBS		\$ 10,350.00
LCM42/50AC	AC Inverter Drive 230V		\$ 11,600.00	\$ 11,950.00
	AC Inverter Drive 460V		Plus \$ 250.00	Plus \$ 250.00
	NST#30		\$ 250.00	\$ 250.00

**STANDARD EQUIPMENT:**

Quill Heat Treat Hardened & Chromed      Chrome Way      One Shot Lubrication      Meehanite Casting

(All Other Accessories Check Page 27 & 28)

## ACRA LCTM1 & LCTM2 VARIABLE SPEED VERTICAL MILL



Made in Taiwan

**FEATURES:**

<b>Series:</b>	<b>LCTM1</b>	<b>LCTM2</b>	<b>LCTM3</b>
Table Size:	10"x54"	10"x54"	10"x54"
X, Y, Z Axis Travel:	39"x16- 1/4"x18"x5"	39"x16- 1/4"x18"x5"	39"x16- 1/4"x18-1/2"x5"
Main Motor:	3 HP	5HP	5HP (OPTIONAL 7.5HP)
Spindle Nose:	R-8 or #30NST	#40NST	#40NST
Spindle RPM:	60~4,500 RPM		
Spindle RPM(SP):	80~5,520(SP)		
Voltage:	LCTM1SP	230V AC/3PH or 460V Only	
Voltage:	LCTM1/LCTM2	230/460V AC/3PH	
Voltage:	LCTM1AC/LCTM3AC	230V/1PH/3PH	
		(460V opt)	

STOCK#	MODEL	WEIGHT	PRICE
LCTM1SP	Step Pulley Mill	3,000 LBS	\$ 12,650.00
LCTM1	Variable Speed Mill	3,000 LBS	\$ 13,500.00
LCTM2	Variable Speed Mill	3,200 LBS	\$ 16,000.00
LCTM1AC	AC Inverter Drive 230V (LCTM1 only)		\$ 14,850.00
LCTM3AC	AC Inverter Drive 230V		\$ 16,500.00
	AC Inverter Drive 460V		\$ 250.00
	NTS#30 (LCTM1SP, LCTM1, and LCTM1AC Only!)		\$ 250.00

**STANDARD EQUIPMENT:**

Quill Heat Treat Hardened & Chromed      Hardened Ground Way      One Shot Lubrication      Meehanite Casting

(All Other Accessories Check Page 27 & 28)

## ACRA LC25VH VERTICAL AND HORIZONTAL MILLING MACHINE



### FEATURES:

<b>Series:</b>	<b>LC25 VH</b>
Table Size:	10" X 56"
X, Y, Z Axis Travel:	36" X 16-1/2" X 5"
Main Motor Vertical:	5 HP
Main Motor Horizontal:	5 HP Spindle
Vertical/Horizontal Spindle:	#40 NST
RPM Vertical:	60~4,500 RPM
Spindle RPM Horizontal:	80~-1,350 RPM
Voltage:	230 / 460V AC/3PH
Dimensions:	85" x 75" x 98"

Made in Taiwan

<b>STOCK #</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
AMVHLC25VH	LC25VH Precision Vert. and Hor. Milling Machine	4,200 Lbs.	\$ 33,500.00

### Standard Equipment

Flood Coolant System with Splash Pan	Emergency Stop	Longitudinal Power feed with Rapid Traverse
Rapid Knee Traverse	Rear Rubber Way Cover	1" Dia. Horizontal Arbor
Two over arm Supports	One Shot Lubrication System	Toolbox

(All Other Accessories Check Page 27 & 28)

## ACRA AM2S/V/AC PRECISION VERTICAL MILLING MACHINE



Made in Taiwan

### FEATURES:

<b>Series:</b>	<b>AM2S,2V,2AC</b>	
Table Size:	9"x49"	
X, Y, Z Axis Travel:	35-1/2"x12- 1/2"x16"x5"	
Main Motor:	3 HP	
Spindle Nose:	R-8/ #30NST	
Speeds:	16	
Spindle RPM:	80~5,440 (AM2S)	230 or 460V AC/3PH
	65~4,200 (AM2V)	230/460V AC~3PH
	60~4,500(AM2AC)	230V/1PH/3PH (460V opt.)

STOCK#	MODEL	WEIGHT	PRICE
AM2S	Step Pulley Mill	2,300 LBS	\$ 9,000.00
AM2V	Variable Speed Mill	2,300 LBS	\$ 9,600.00

### STANDARD EQUIPMENT:

Quill Heat Treat Hardened & Chromed  
Meehanite Casting

Hardened Ground Way  
Halogen Work Light

One Shot Lubrication

(All Other Accessories Check Page 27 & 28)

## ACRA AM5V/AC VERTICAL MILLING MACHINE



Made in Taiwan

### FEATURES:

<b>Series:</b>	<b>AM5V</b>	<b>AM5AC</b>
Table Size:	12-1/2" X 58"	
X, Y, Z Axis Travel:	40" X 15-1/2" X 16" X 5"	
Quill Dia.:	4-1/8"	
Knee Motor:	2 HP	
Main Motor:	5 HP Spindle	
Vertical/Horizontal Spindle:	#40 NST	
Spindle RPM:	50~3,750 RPM	60~4,500 RPM
Voltage:	230 AC/1PH/3PH or 460V opt.	
Dimensions:	85" x 75" x 98"	

STOCK #	MODEL	WEIGHT	PRICE
AM5V	5V Variable Speed Mill	3,948 lbs.	\$ 17,000.00
AM5AC	5AC Inverter Vertical Mill 460V Option	3,948 lbs. Plus	\$ 19,500.00 \$ 250.00

### STANDARD EQUIPMENT:

Auto Oil Lubrication  
Turcite\_B on X & Y Axis  
Rapid Knee Traverse

AC Frequency Control Panel (5AC)  
External Coolant Tank  
Forward/Reverse Switch

Yaskawa Inverter (5AC)  
Halogen Work light

(All Other Accessories Check Page 27 & 28)

## ACRA FBM4V/5VL/5VHL/8VL HEAVY BED-TYPE MILLING



Made in Taiwan



Made in Taiwan



Made in Taiwan

### FEATURES:

Series:	FBM4V	FBM5VL	FBM5VHL	FBM8VL
Table Size:	75" X 18"	87" X 20"	87" X 20"	106-1/4" X 29-1/2"
X, Y, Z Axis Travel:	47" X 17-11/16X 22"	59" X 24" X 27-1/2"	59" X 24" X 27-1/2"	78-3/4" X 31-1/2"X27-1/2"
Main Motor Vertical:	15 HP	15 HP	15 HP	15 HP
Main Motor Horizontal:	NA	NA	7.5HP	NA
Spindle Vertical:	#50 Taper	#50 Taper	#50 Taper	#50 Taper
Spindle Horizontal:	NA	NA	#50	NA
Spindle RPM Vertical:	45 ~ 1500	45 ~ 1500	45 ~ 1500	45 ~ 1500
Spindle RPM Horizontal:	NA	NA	40 ~ 1450	NA
Voltage:		220V AC /3PH		

STOCK#	MODEL		WEIGHT	PRICE
AFBM4V	FBM4V	Heavy Duty Bed-Type Vertical Milling Machine	11,500 LBS	\$ 82,500.00
AFBM5VL	FBM5VL	Heavy Duty Bed-Type Vertical Milling Machine	15,000 LBS	\$ 105,600.00
AFBM5VHL	FBM5VHL	Heavy Duty Bed-Type V/H Milling Machine	18,000 LBS	\$ 140,000.00
AFBM8VL	FBM8VL	Heavy Duty Bed-Type Vertical Milling Machine	26,000 LBS	\$ 150,000.00
AFBM8VHL	FBM8VHL	Heavy Duty Bed-Type V/H Milling Machine	29,000 LBS	\$ 185,000.00

### STANDARD EQUIPMENT:

Coolant System	Auto Lubrication System	Draw Bar (1 pcs)
Automatic Table Feeds with Rapid Traverse	Tools and Toolbox	Hardened & Ground Box Ways

### OPTIONAL ACCESSORIES:

	PRICE
Power Drawbar .....	\$ 1,600.00
Installation-Power Drawbar.....	\$ 220.00
Newall Digital Read-Out-FBM-4V DP700, 3 Axis.....	\$ 4,350.00
Newall Digital Read-Out-FBM-5VL(5VHL) DP700, 3Axis.....	\$ 5,000.00
Newall Digital Read-Out-FBM-8VL DP700, 3 Axis.....	\$ 6,000.00
Acu-Rite Digital Read-Out.....	\$ P.O.R.
Fagor Digital Read-Out.....	\$ P.O.R.
D.R.O. Installation.....	\$ 500.00
FBM5VL, FBM5VHL Work table 106.30" x 19.685" with 2 support.....	\$ 14,500.00
FBM8VL, FBM8VHL Work table 125.98" x 29.527" with 2 support.....	\$ 21,000.00

(All Other Accessories Check Page 27 & 28)

## ACRA PRECISION MILLING MACHINE ACCESSORIES

<b>OPTIONAL ACCESSORIES:</b>	<b>PRICE</b>
6" Vise (China) W/Swivel.....	\$ 250.00
6" Vise (Taiwan) W/Swivel .....	\$ 600/800
R-8 Collet Set 12 PC (China) -AM2/AM5 .....	\$ 100.00
R-8 Collet Set (Taiwan) - AM2/AM5 .....	\$ 125.00
Clamping Kit 53 PC (China) .....	\$ 100.00
Clamping Kit 53 PC (Taiwan) .....	\$ 125.00
6" Rotary Table H/V .....	\$ 450.00
8" Rotary Table H/V .....	\$ 600.00
10" Rotary Table H/V .....	\$ 750.00
12" Rotary Table H/V .....	\$ 900.00
4" Riser Block – LCM-50 .....	\$ 700.00
6" Riser Block – LCM-50 .....	\$ 750.00
4" Riser Block LCTM 1,2,3 .....	\$ 750.00
6" Riser Block LCTM 1,2,3 .....	\$ 850.00
4" Riser Block – AM2, AM5 .....	\$ 700.00
6" Riser Block – AM2, AM5 .....	\$ 750.00
8" Riser Block – AM2, AM5 .....	\$ 850.00
Maxi-Torque Power Draw Bar R-8 / #30, 40 Taper (USA) .....	\$ 750.00
Right Angle Milling Attachment R-8 / #30 Taper .....	\$ 1,100.00
Right Angle Milling Attachment #40 Taper .....	\$ 1,450.00
Right Angle Head R8 .....	\$ 750.00
Right Angle Head R30 .....	\$ 750.00
Right Angle Head #40 .....	\$ 900.00
Coolant System / Chip Tray .....	\$ 850.00
Safety Handle.....	\$ 90.00
Quick Change Tool Set (17PC) - AM2.....	\$ 350.00
Quick Change Tool Set (17PC) - AM5 .....	\$ 400.00
Auto Lube Exchange .....	\$ 300.00
Auto Lube .....	\$ 400.00
ACRA LC Series Variable speed (R8 or #30NST) .....	\$ 5,000.00
ACRA Mill Head 2 H.P. 16 Speed Step Pulley (2 Speed) (R8 or #30NST) .....	\$ 3,500.00
ACRA Mill Head 3 H.P. Variable Speed (R8 or #30NST) .....	\$ 4,500.00
ACRA Mill Head 3 H.P. AC Inverter Drive (R8 or #NST30) .....	\$ 5,500.00
NST #30 Spindle Instead of R-8 Spindle (LCM/LCTM1).....	\$ 250.00
Baldor Motor.....	\$ 750.00

Continued next page



# ACRA PRECISION MILLING MACHINE ACCESSORIES

(Continued)

**OPTIONAL ACCESSORIES:**

		<b>PRICE</b>
Acu-Rite 2-Axis 203.....	\$	2,400.00
Acu-Rite 2-Axis 303.....	\$	2,900.00
Newall 2-Axis D.R.O. DP700.....	\$	2,000.00
Newall 2-Axis D.R.O. NMS300.....	\$	1,200.00
Sony 2-Axis D.R.O. MILLMAN.....	\$	P.O.R.
Mitutoyo 2-Axis D.R.O KA-200.....	\$	P.O.R.
Installation For 2-Axis D.R.O.....	\$	250.00
Acu-Rite 3-Axis 203.....	\$	3,200.00
Acu-Rite 3-Axis 303.....	\$	3,600.00
Newall 3-Axis D.R.O. DP700.....	\$	2,700.00
Newall 3-Axis D.R.O. NMS300.....	\$	1,600.00
Sony 3-Axis D.R.O. MILLMAN.....	\$	P.O.R.
Mitutoyo 3-Axis D.R.O KA-200.....	\$	P.O.R.
Installation For 3-Axis D.R.O.....	\$	300.00
Power Feed X Axis Align.....	\$	450.00
Power Feed Y Axis Align.....	\$	550.00
Power Feed Z Axis Align.....	\$	550.00
Power Feed X Axis 140 Servo (USA).....	\$	P.O.R.
Power Feed Y Axis 140 Servo (USA).....	\$	P.O.R.
Power Feed X Axis 150 Servo (USA).....	\$	P.O.R.
Power Feed Y Axis 150 Servo (USA).....	\$	P.O.R.
Power Feed Z Axis (140 Only) Servo (USA).....	\$	P.O.R.
Power Feed Installation X Axis.....	\$	50.00
Power Feed Installation Y Axis.....	\$	100.00
Power Feed Installation Z Axis.....	\$	100.00

\*All prices and specifications subject to change without notice!

# ACRA 618S MANUAL SUPER PRECISION SURFACE GRINDER



**FEATURES:**

<b>Series:</b>	<b>618S</b>
Working Surface:	6" X 18-1/4"
Max Table Travel:	18-7/8" X 7"
Grinding Wheel:	8" X 1/2" X 1-1/4"
Spindle RPM:	3,450
Main Motor:	2 HP x 2P
Voltage:	230/460V AC/3PH
Dimensions:	56" x 40" x 71"

Made in Taiwan

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
AASG618S	618S VEE & TURCITE WAY SUPER PRECISION SURFACE GRINDER	1,540 LBS	\$ 12,500.00

**STANDARD EQUIPMENT:**

Grinding Wheel	Wheel Flange	Flange Extractor	Halogen Light
Diamond Wheel Dresser	Wheel Balancing Arbor	Leveling Screws and Plates	Dust Guard
Auto Lubrication	Kanetsu Permanent Magnetic Chuck		

**OPTIONAL ACCESSORIES:**

	<b>PRICE</b>
Kanetsu Permanent Magnetic Chuck 6"x18" (Standard Accessory) .....	\$ 1,200.00
Kanetsu Fine Pole Permanent Magnetic Chuck .....	\$ 2,250.00
Kanetsu Electromagnetic Chuck .....	\$ 1,800.00
Kanetsu Fine Pole Electromagnetic Chuck .....	\$ 2,250.00
Chuck Controller .....	\$ 800.00
Coolant System .....	\$ 1,250.00
Coolant & Dust Collector .....	\$ 1,850.00
Parallel Dresser .....	\$ 750.00
Wheel Flange .....	\$ 100.00
Acu-Rite, Newall, Sony, Fagor, Mitutoyo Digital Read-Outs.....	\$ P.O.R.
D.R.O. Installation .....	\$ 300.00

**Note:** Chuck Control Must Be Ordered Separately with Any Electro Magnetic Chuck.

# ACRA 618AH AUTOMATIC 2 AXIS SURFACE GRINDER - REGENT SERIES



Made in Taiwan

**FEATURES:**

<b>Series:</b>	<b>618AH</b>
Working Surface:	6"x18-1/4"
Max. Longitudinal Travel	21-1/2"
Max. Cross Travel	6-7/8"
Grinding Wheel:	8"x.5"x1.25"
Center Height:	15-3/4"
Wheel RPM:	3,450
Main Motor:	2 HP
Voltage:	230/460V~AC/3PH
Dimensions:	80" x 51" x 84"

STOCK#	MODEL	WEIGHT	PRICE
AASG618AH	618AH Automatic Surface Grinder (2 Axis)	2,048 LBS	\$ 20,000.00

**STANDARD EQUIPMENT:**

Grinding Wheel	Wheel Balancing Arbor	Wheel Flange
Diamond Wheel Dresser	Leveling Screws & Plates	Halogen Light
Kanetsu 618 Permanent Magnetic Chuck	Automatic Lubrication	Table Hydraulic Feed
Coolant System		

**OPTIONAL ACCESSORIES:**

	PRICE
Kanetsu Permanent Magnetic Chuck 6x18 (Standard Accessory) .....	\$ 1,200.00
Kanetsu Fine Pole Permanent Chuck.....	\$ 2,250.00
Kanetsu Electromagnetic Chuck.....	\$ 1,800.00
Kanetsu Fine Pole Electromagnetic Chuck.....	\$ 2,250.00
Chuck Controller.....	\$ 800.00
Coolant System with Dust Collector.....	\$ 2,100.00
Coolant System with Magnetic Separator.....	\$ 2,250.00
Coolant System with Paper Filter.....	\$ 2,250.00
Auto Paper Strip Filter with Magnetic Separator Coolant System.....	\$ 3,600.00
Grinding Wheel Balance Stand.....	\$ 390.00
Parallel Dresser.....	\$ 670.00
Wheel Flange .....	\$ 120.00
Acu-Rite, Newall, Sony, Fagor, Mitutoyo Digital Read-Outs.....	\$ P.O.R.
D.R.O. Installation .....	\$ 280.00

**Note:** Chuck Control Must Be Ordered Separately with Any Electro Magnetic Chuck

**ACRA 1020AHD AUTOMATIC 3 AXIS SURFACE GRINDER - REGENT SERIES**



**FEATURES:**

<b>Series:</b>	<b>1020AHD</b>
Working Surface:	10"x20"
Max. Longitudinal Travel:	25-1/2"
Max. Cross Travel:	11-1/16"
Grinding Wheel:	8"x.75"x1.25"
Center Height:	18-9/16"
Wheel RPM:	3,450
Main Motor:	3 HP
Voltage:	230/460V~AC/3PH
Dimensions:	95" x 74" x 91"

Made in Taiwan

STOCK#	MODEL	WEIGHT		PRICE
AASG1020AHD	10X20 AHD Automatic Surface Grinder (3 Axis)	3,964 LBS	\$	30,000.00

**STANDARD EQUIPMENT:**

Grinding Wheel	Wheel Flange	Leveling Screws & Plates	Flange Extractor
Diamond Wheel Dresser	Wheel Balancing Arbor	Parallel Dresser	Halogen Light
Kanetsu Electric Magnetic Chuck	Chuck Control	Table Hydraulic Feed	Coolant System

**OPTIONAL ACCESSORIES:**

	PRICE
Kanetsu Electromagnetic Chuck (Standard Accessory) .....	\$ 2,450.00
Kanetsu Fine Pole Electromagnetic Chuck.....	\$ 3,600.00
Chuck Controller (Standard Accessory) .....	\$ 800.00
Coolant System (Standard Accessory) .....	\$ 1,250.00
Coolant System with Magnetic Separator.....	\$ 2,450.00
Coolant System with Paper Filter.....	\$ 2,450.00
Auto Paper Strip Filter With Magnetic Separator Coolant System .....	\$ 3,800.00
Grinding Wheel Balance Stand.....	\$ 560.00
Wheel Flange .....	\$ 200.00
Over Head Dresser (Standard Accessory).....	\$ 670.00
Hydraulic Parallel Dresser.....	\$ 3,100.00
Acu-Rite, Newall, Sony, Fagor, Mitutoyo Digital Read-Outs .....	\$ P. O. R.
D.R.O. Installation .....	\$ 250.00

**Note:** Chuck Control Must Be Ordered Separately with Any Electro Magnetic Chuck.

**ACRA 1224AHD AUTOMATIC 3AXIS SURFACE GRINDER – REGENT SERIES**



**FEATURES:**

<b>Series:</b>	<b>1224AHD</b>
Working Surface:	12"x24"
Max. Longitudinal Travel:	29-7/8"
Max. Cross Travel:	14-1/16"
Grinding Wheel:	14"x2"x5"
Center Height:	26-7/8"
Wheel RPM:	1,750
Main Motor:	5 HP
Voltage:	230/460V~AC/ 3PH
Dimensions:	113" x 95" x 96"

Made in Taiwan

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
AASG1224AHD	12X24 AHD Automatic Surface Grinder (3 Axis)	5,286 LBS	\$ 36,500.00

**STANDARD EQUIPMENT:**

Grinding Wheel	Automatic Lubrication	Flange Extractor	Halogen Light
Diamond Wheel Dresser	Wheel Balancing Arbor	Table Hydraulic Feed	Coolant System
Kanetsu Electric Magnetic Chuck	Chuck Control	Parallel Dresser	Wheel Flange

**OPTIONAL ACCESSORIES:**

	<b>PRICE</b>
Kanetsu Electromagnetic Chuck (Standard Accessory) .....	\$ 2,750.00
Kanetsu Fine Pole Electromagnetic Chuck.....	\$ 4,600.00
Chuck Controller (Standard Accessory). ....	\$ 850.00
Coolant System (Standard Accessory) .....	\$ 1,250.00
Coolant System with Magnetic Separator.....	\$ 2,500.00
Coolant System with Paper Filter.....	\$ 2,250.00
Auto Paper Strip Filter With Magnetic Separator Coolant System .....	\$ 3,500.00
Grinding Wheel Balance Stand.....	\$ 500.00
Overhead Parallel Dresser (Standard Accessory) .....	\$ 650.00
Hydraulic Parallel Dresser .....	\$ 2,750.00
Wheel Flange .....	\$ 600.00
Acu-Rite, Newall, Sony, Fagor, Mitutoyo Digital Read-Outs.....	\$ P. O. R.
D.R.O. Installation .....	\$ P. O. R.

**Note:** Chuck Control Must Be Ordered Separately with Any Electro Magnetic Chuck.



**ACRA 1632TS NC CONTROL 3 AXIS SURFACE GRINDER - REGENT SERIES**



Made in Taiwan

**FEATURES:**

<b>Series:</b>	<b>1632TS</b>
Working Surface:	16" X 32"
Table Travel:	18-1/6" X 36-3/16"
Grinding Wheel:	14" X 2" X 5"
Center Height:	27-5/16"
Wheel RPM:	1,750
Main Motor:	7-1/2 HP
Voltage:	230/460V AC ~3 PH
Dimensions:	131" x 96" x 92"

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
AASG1632TS	16X32 TS Automatic NC Control Grinder (3 Axis)	8,810 LBS	\$ 54,500.00

**STANDARD EQUIPMENT:**

Grinding Wheel	Wheel Balancing Arbor	Wheel Flange	Flange Extractor
Diamond Wheel Dresser	Chuck Control	Leveling Screws & Plates	Halogen Light
Kanetsu Electromagnetic Chuck	Parallel Dresser	NC Computer Control	Coolant System

**OPTIONAL ACCESSORIES:**

	<b>PRICE</b>
Kanetsu Electromagnetic Chuck (Standard Accessory) .....	\$ 4,450.00
Kanetsu Fine Pole Electromagnetic Chuck .....	\$ 6,700.00
Chuck Controller (Standard Accessory) .....	\$ 850.00
Coolant System (Standard Accessory) .....	\$ 1,400.00
Coolant System with Magnetic Separator.....	\$ 2,800.00
Coolant System with Paper Filter .....	\$ 3,350.00
Auto Paper Strip Filter with Magnetic Separator Coolant System.....	\$ 4,200.00
Grinding Wheel Balance Stand.....	\$ 600.00
Overhead Parallel Dresser (Standard Accessory).....	\$ 750.00
Hydraulic Overhead Dresser.....	\$ 3,100.00
Wheel Flange.....	\$ 670.00
Acu-Rite, Newall, Sony, Fagor, Mitutoyo Digital Read-Outs.....	\$ P.O.R.
D.R.O. Installation.....	\$ 250.00

**Note:** Chuck Control Must Be Ordered Separately with Any Electro Magnetic Chuck.

# ACRA 2040/2440/2480 FULLY AUTO 3 AXIS SURFACE GRINDER - REGENT SERIES



**FEATURES:**

<b>Series:</b>	<b>2440HSR</b>	<b>2460HSR</b>	<b>2480HSR</b>
Working Surface:	24" x 40"	24" x 60"	24" x 80"
Table Travel:	26" x 45"	26" x 65"	26" x 85"
Grinding Wheel:	16" x 2" x 5"		
Center Height:	24"		
Wheel RPM:	1,750		
Main Motor:	10 HP		
Voltage:	230/460V AC ~3 PH		
Dimensions:	148"x90"x90"	154"x90"x90"	188"x90"x90"

Made in Taiwan

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
AASG2440HSR	24X40 HSR Automatic NC Control Grinder (3 Axis)	15,000 LBS	\$ 91,700.00
AASG2460HSR	24X60 HSR Automatic NC Control Grinder (3 Axis)	15,620 LBS	\$ 102,800.00
AASG2480HSR	24X80 HSR Automatic NC Control Grinder (3 Axis)	22,000 LBS	\$ 116,700.00

**STANDARD EQUIPMENT:**

Grinding Wheel	Wheel Balancing Arbor	Wheel Flange	Flange Extractor
Diamond Wheel Dresser	Chuck Controller	Leveling Screws & Plates	Halogen Light
Electromagnetic Chuck	NC Parallel Dresser	NC Computer Control	Coolant System

**OPTIONAL ACCESSORIES:**

	<b>PRICE</b>
Kanetsu Electromagnetic Chuck 24"x40" .....	\$ 9,500.00
Kanetsu Electromagnetic Chuck 24"x60" .....	\$ 13,350.00
Kanetsu Electromagnetic Chuck 24"x80" .....	\$ 20,000.00
Chuck Controller (Standard Accessory) .....	\$ P.O.R.
Coolant System with Magnetic Separator.....	\$ P.O.R.
Coolant System with Paper Filter .....	\$ P.O.R.
Auto Paper Strip Filter with Magnetic Separator Coolant System.....	\$ P.O.R.
Dust Suction System (ASG2040/2440).....	\$ P.O.R.
NC Parallel Dressing & Compensating Device (Includes Auto Down Feed System).....	\$ P.O.R.
Auto Crossing Stroke Adjustment (Setting the Cross Distance from Control Panel).....	\$ P.O.R.
Auto Down Feed System AD5 (NC).....	\$ P.O.R.
Parallel Dresser (Manual).....	\$ P.O.R.
Parallel Dresser (Hydraulic).....	\$ P.O.R.
Crisscross Grinding.....	\$ P.O.R.
Back Water Splash Shield (Includes Auto Crossing Stroke Adjustment).....	\$ P.O.R.
Semi-Enclosed Splash Shield (20"x40").....	\$ P.O.R.
Semi-Enclosed Splash Shield (24"x40").....	\$ P.O.R.
Semi-Enclosed Splash Shield (24"x80").....	\$ P.O.R.
Halogen Lamp.....	\$ P.O.R.
Acu-Rite, Newall, Sony, Fagor, Mitutoyo Digital Read-Outs.....	\$ P.O.R.
D.R.O. Installation.....	\$ P.O.R.

**Note:** Chuck Control Must Be Ordered Separately with Any Electro Magnetic Chuck.

\*All prices and specifications subject to change without notice!

## ACRA M40/M60 TOOL & CUTTER GRINDER



Made in Taiwan

**FEATURES:**

<b>Series:</b>	<b>M-40</b>	<b>M-60</b>
Working Surface:	5-5/16" X 37"	5-5/16" X 45"
Table X Travel:	16"	23"
Table Y Travel:	10"	10"
Swing Over Table:	10"	10"
Tailstock to Work head:	22-7/8"	30"
Distance Between Centers:	27-1/2"	35"
Spindle Taper:	MT #5	
Spindle RPM:	2600, 3700, 6200	
Main Motor:	1 HP	
Voltage:	230/460V AC~3 PH	
Dimensions:	59" x 59" x 61"	99" x 66" x 61"

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
ATCGM40	M-40 Tool & Cutter Grinder	2,560 LBS	\$ 35,000.00
ATCGM60	M-60 Tool & Cutter Grinder	2,780 LBS	\$ 50,000.00

**STANDARD EQUIPMENT:**

Cast Iron Base	Universal Swivel Table (120 DEG.)
Ball Bearing Ways	45 Standard Items (Including Tool Cabinet)

**OPTIONAL ACCESSORIES:**

	<b>PRICE</b>
No.01 Radius Grinding Attachment.....	\$ 6,700.00
No.02 Radius Grinding Attachment.....	\$ 6,000.00
No.03 Face Mill Grinding Attachment.....	\$ 4,450.00
No.04 Helical Grinding Attachment.....	\$ 9,150.00
No.05 Cylindrical Grinding Attachment.....	\$ 2,600.00
No.06 Internal Grinding Attachment.....	\$ 4,800.00
No.07 Workhead Indexing Attachment.....	\$ 1,300.00
No.08 Extended Grinding Attachment.....	\$ 3,800.00
No.09 Surface Grinding Attachment.....	\$ 1,600.00
No.10 Drill Pointing Attachment.....	\$ 7,350.00
No.11 Lathe and Planer Grinding Attachment .....	\$ 1,600.00
No.12 Spring Collet Chuck 6, 8, 10, 12, 16, 20,25mm.....	\$ 1,600.00
No.13 Wet Grinding Attachment with Splash Plate .....	\$ 2,400.00
No.14 Dust Collector.....	\$ 2,350.00
No.15 Splash Guard for Worktable/Table Guard (M-40).....	\$ 1,350.00
No.16 5C Collet Closers for Work head.....	\$ 900.00
No.17 LED Work Light.....	\$ 200.00
No.18 UL Electrical Components.....	\$ 2,250.00

\*All prices and specifications subject to change without notice!

## ACRA MN2 TOOL AND CUTTER GRINDER



**FEATURES:**

<b>Series:</b>	<b>MN-2</b>
Main Slide Travel:	5-3/4"
Offset Slide Travel:	5-1/4"
X/Y/Z Slide Travel:	6",9-1/2",7-1/2"
Swing Over M/Slide:	12"
Wheel Diameter:	4"
MAX RPM:	8,000
Main Motor:	1/2 HP
Voltage:	230/460V AC / 3 PH
Dimensions:	46" x 42" x 72"

Made in Taiwan

<b>STOCK #</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
ATCGMN2	MN-2 Tool & Cutter Grinder W/Ball Screw	1,525 LBS	\$ 35,000.00

**STANDARD EQUIPMENT:**

Cast Iron Base	Designed to Grind Complex Tools
Table & Work Head Controls Motorized	18 Standard Items

**OPTIONAL ACCESSORIES:**

	<b>PRICE</b>
Large Cutter Radius Grinding Attachment .....	\$ 1,150.00
4" Universal 6- Jaw Chuck for Workhead .....	\$ 1,450.00
Wet Grinding Attachment .....	\$ 1,250.00
Upgrading grinding-wheel-spindle motor to 1HP .....	\$ 620.00
Upgrading grinding-wheel-spindle motor to 2HP .....	\$ 1,000.00
Upgrading grinding-wheel-spindle motor to 1HP (Frequency inverter included) .....	\$ 1,150.00
Upgrading grinding-wheel-spindle motor to 2HP (Frequency inverter included) .....	\$ 1,300.00
Extended collect set with wrench for small collect (included in 3,2,1mm collect for each size).....	\$ 890.00
Index plate for spiral lead indexing unit-24T.....	\$ 620.00
Dust collector with 2 pcs filter bags inside for dry grinding.....	\$ 2,250.00
Lathe & Planer tool grinding attachment .....	\$ 1,600.00

## ACRA KB VERTICAL BANDSAWS



Made in Taiwan

**FEATURES:**

Series:	KB36	KB45
Throat:	14"	17-15/16"
Max. Work Height:	9-1/16"	10-1/16"
Table Size:	19-1/2" X 15-3/4"	23-1/2" X 19-1/2"
Blade Length:	111-13/16"	137-3/8"
Blade Width:	1/8" - 5/8"	1/8" - 5/8"
Blade Speeds:	65-295 FPM	85-375 FPM
Main Motor:	1 HP	1 HP
Voltage:	230V AC / 1 PH	230/460V AC /3PH
Dimensions:	40"x25"x74"	45"x28"x81"

STOCK#	MODEL	WEIGHT	PRICE
AVBSKB36	KB-36 Vertical Bandsaw	551/683 LBS	\$ 4,000.00
AVBSKB45-1	KB-45 Vertical Bandsaw 3PH	660/814 LBS	\$ 4,750.00
AVBSKB45-2	KB-45 Vertical Bandsaw 1PH	660/814 LBS	\$ 4,750.00

**STANDARD EQUIPMENT:**

Saw Blade Butt Welder with Integrated Annealing Unit    Work Light    Blade Shear    Grinder    Blade Brush

**OPTIONAL ACCESSORIES:**

	PRICE
Rip Fence .....	\$ 325.00
Miter Protractor .....	\$ 325.00

## ACRA KV VERTICAL BANDSAWS



Made in Taiwan

**FEATURES:**

Series:	KV50	KV60	KV100
Throat:	20-1/2"	24"	39-3/4"
Max Work Height:	12-3/8"	13-1/2"	13-1/2"
Table Size:	23-1/2" X 19-1/2"	23-1/2" X 19-1/2"	23-1/2" X 19-1/2"
Auxiliary Table Size:		8-5/8" X 19-1/2"	17-3/4" X 19-1/2"
Blade Length:	153"	156-5/16"	178-5/8"
Blade Width:		1/8" - 5/8"	
Blade Speeds Low:		65 - 280 FPM	
Blade Speeds High:		400 - 1,640 FPM	
Drive Motor:		2 HP	
Voltage:		230/460V AC / 3PH	

STOCK#	MODEL	WEIGHT	PRICE
AVBSKV50	KV-50 Vertical Bandsaw	1,100/1,366 LBS	\$ 6,500.00
AVBSKV100	KV-100 Vertical Bandsaw	1,760/2,024 LBS	\$ 8,450.00
*NON-STOCK ITEM, MUST ORDER			

**STANDARD EQUIPMENT:**

Saw Blade Butt Welder with Integrated Annealing Unit    Work Light    Blade Shear    Grinder    Blade Brush

**OPTIONAL ACCESSORIES:**

	PRICE
Rip Fence .....	\$ 325.00
Miter Protractor .....	\$ 325.00



## ACRA UE 712/ RF712 VERTICAL/HORIZONTAL BANDSAW



Made in Taiwan

### FEATURES:

<b>Series:</b>	<b>UE712</b>	<b>RF712</b>
Cap. (Rnd.):	7"	
Cap. (Rect.):	7" X 12"	
Blade Speeds (4):	86, 132, 178, 260 FPM	
Blade Size:	.75" x .035" x 92.92"	
Main Motor:	1 HP	
Voltage:	110V AC / 1 PH	
Dimensions:	51" x 20" x 41"	

STOCK#	MODEL	WEIGHT	PRICE
AHBSUE712	UE 712 Vertical Horizontal Bandsaw	330 LBS	\$ 1,700.00
AHBSRF712	RF 712 Vertical Horizontal Bandsaw	330 LBS	\$ 1,600.00

### STANDARD EQUIPMENT:

Coolant      Casters      Quick Acting Vise      Automatic Shut Off      Blade Chip Brush

## ACRA UE 916A HORIZONTAL BANDSAW



Made in Taiwan

### FEATURES:

<b>Series:</b>	<b>UE916A</b>
Cap. (Rnd.):	9"
Cap. (Rect.):	9" X 16"
Blade Speed:	82, 132, 170, 235 FPM
Blade Size:	1"x.037"x119.5"
Main Motor:	1-1/2 HP
Voltage:	110/220V AC/1PH
Dimensions:	71" x 25" x 50"

STOCK#	MODEL	WEIGHT	PRICE
AHBSUE916A	UE 916A Horizontal Bandsaw	750 LBS	\$ 4,000.00

### STANDARD EQUIPMENT:

Coolant      Removable Chip Tray      Automatic Stop      Blade Chip Brush      Quick Acting Vise

## ACRA BS 250 HORIZONTAL BANDSAW



Made in Taiwan

**FEATURES:**

<b>Series:</b>	<b>BS250A</b>	<b>BS250V</b>	<b>BS250VS</b>
Cap. (Rnd.):		10"	
Cap. (Rect.):		9" X 16"	
Blade Speed:	82,132,170,235 FPM		82-259 FPM
Swivel Base:	0	0	Yes
Blade Size:		1.06" x .035" x 130"	
Main Motor:		2 HP	
Voltage:		230/460V AC/3PH	
Dimensions (All 3 Models):		70" x 32" x 46"	

<b>STOCK#</b>	<b>MODEL</b>		<b>WEIGHT</b>	<b>PRICE</b>
AHBS 250V	BS 250V	Variable Speed Horizontal Band Saw	970LBS	\$ 5,250.00
AHBS 250VS	BS 250VS	Variable Speed / Swivel Head (Miter) Horizontal Band Saw	1,150LBS	\$ 7,500.00

**STANDARD EQUIPMENT:**

Coolant    Adjustable Hydraulic Down Feed    Blade Brush    Blade Guide    Fully Mitering

## ACRA RF 1018 HORIZONTAL BANDSAW



Made in Taiwan

**FEATURES:**

<b>Series:</b>	<b>RF1018S</b>	<b>RF1018SV</b>	<b>RF1018SRV</b>
Cap. (Rnd.):		10"	
Cap. (Rect.):		10" x 18-1/16"	10" x 16-15/16"
Blade Speed:	114, 196, 288, 377 FPM		114~377 FPM
Blade Size:		1.06" x .035" x 121.65"	
Main Motor:		2 HP	
Voltage:		230/460V AC/3 PH	

<b>STOCK#</b>	<b>MODEL</b>		<b>WEIGHT</b>	<b>PRICE</b>
AHRF 1018SV	RF1018SV	Variable Speed Horizontal Band Saw	980LBS	\$ 4,600.00
AHRF 1018SRV	RF1018SRV	Variable Speed / Swivel Head (Miter) Horizontal Band Saw	1,150LBS	\$ 5,750.00

**STANDARD EQUIPMENT:**

Coolant    Adjustable Hydraulic    Down Feed    Auto Shut Off    Mitering

## ACRA BS 330 SEMI-AUTO HORIZONTAL BANDSAW



Made in Taiwan

**FEATURES:**

<b>Series:</b>	<b>BS330SA/BS330SSA/BS330SSAV</b>
Cap. (Rnd.):	13"
Cap. (Rect.):	11-1/2" X 18-7/8"
Blade Speed:	92/132/184/250 FPM
Blade Size:	1.25" X .035" X 161.5"
Main Motor:	3 HP
Voltage:	230/460V AC ~ 3 PH
Dimensions:	90" x 40" x 65"

<b>STOCK#</b>	<b>MODEL</b>		<b>WEIGHT</b>	<b>PRICE</b>
AHBS330SA	BS330SA	Variable Speed / Semi Auto Horizontal Band Saw	1,892 LBS	\$ 12,500.00
AHBS330SSA	BS330SSA	Variable Speed / Semi Auto / Miter Horizontal Band Saw	1,892 LBS	\$ 13,500.00
AHBS330SSAV	BS330SSAV	Variable Speed / Semi Auto / Miter / Hydraulic Vise Horizontal Band Saw	1,892 LBS	\$ 15,000.00

Hydraulic Vise Has Switch Controls for Securing and Releasing

**STANDARD EQUIPMENT:**

Coolant	Removable Chip Tray	Fully Adjustable Hydraulic Down Feed	Blade Brush
Blade Guide	Quick Position Vise	90~60 Degree Mitering	
Centralized Control Panel		Heavy-Duty Cast-Iron Construction	

## ACRA BS AUTOMATIC HYDRAULIC BANDSAWS(1)



Made in Taiwan

### FEATURES:

Series:	AHBS-250AE	AHBS-330HA	AHBS300AE
Cap. (Rnd.):	9.84"	11.81"	12.9"
Cap. (Rect.):	9.84"x11.81"	11.81"x11.81"	12.9"x12.9"
Table Height:	29.5	29.7"	29.9"
Blade Size:	1.06"x.035"x137.9"	1.33"x.043"x154.3"	1.33"x.043"x161.4"
Blade Speed:	30-85m/min	30-85m/min	30-85m/min
Blade Tension:	Hydraulic	Hydraulic	Hydraulic
Main Motor:	3 HP	5 HP	5 HP
Hydraulic Pump:	1 HP	1 HP	1 HP
Coolant Pump:	1/6 HP	1/6 HP	1/6 HP
Hydraulic Tank:	30 Liters	40 Liters	40 Liters
Coolant Tank:	40 Liters	80 Liters	60 Liters
Bundle Cutting:	5.9"~9.84"x 3.93"~5.11"	5.7"~9"x1.18"~5.11"	5.9"~9.8"x4.72"~7.87"
Feeding Length:	15.7"	15.7"	15.7"
Dimensions:	88"x91"x75"	87"x83"x68"	68"x90"x75"

Series:	AHBS-4036HA	AHBS-5046HA	AHBS-6056HA
Cap. (Rnd.):	14.17"	18.11"	22.04"
Cap. (Rect.):	14.17"x15.7"	18.11"x19.68"	22.04"x23.6"
Table Height:	29.72"	33.4"	31.88"
Blade Size:	1.33"x.043"x179.9"	1.61"x.051"x214.5"	2.1"x.062"x259.8"
Blade Speed:	30-85m/min	30-85m/min	30-85m/min
Blade Tension:	Hydraulic	Hydraulic	Hydraulic
Main Motor:	5 HP	7.5 HP	10 HP
Hydraulic Pump:	1 HP	2 HP	3 HP
Coolant Pump:	1/6 HP	¼ HP	¼ HP
Hydraulic Tank:	50 Liters	60 Liters	90 Liters
Coolant Tank:	80 Liters	100 Liters	120 Liters
Bundle Cutting:	7"~11"x1.96"~6.29"	7.6"~12.2"x4.72"~9"	9"~15.7"x4.72"~10.6"
Feeding Length:	15.7"	19.6"	19.6"
Dimensions:	95"x84"x73:	108"x89"x87"	129"x87"x90"

## ACRA BS AUTOMATIC HYDRAULIC BANDSAWS(2)



Made in Taiwan

<b>STOCK:</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
AHBS250AE	HBS-250AE Fully Automatic Hydraulic Mitering Bandsaw	3,800 LBS	\$ 32,500.00
AHBS330AE	HBS-330AE Fully Automatic Hydraulic Mitering Bandsaw	4,200 LBS	\$ 40,000.00
AHBS300HA	HBS-300HA Fully Automatic Double Column Hydraulic Bandsaw	3,900 LBS	\$ 36,500.00
AHBS4036HA	HBS-4036HA Fully Automatic Double Column Hydraulic Bandsaw	4,300 LBS	\$ 41,200.00
AHBS5046HA	HBS-5046HA Fully Automatic Double Column Hydraulic Bandsaw	6,900 LBS	\$ 51,750.00
AHBS6056HA	HBS-6056HA Fully Automatic Double Column Hydraulic Bandsaw	11,100 LBS	\$ 66,000.00

### STANDARD EQUIPMENT:

Color Touchscreen  
Multiple Language Interface  
Infinitely Variable Blade Speed Controlled by Inverter  
Automatic Chip Conveyor  
Rotary Encoder for Accurate Material Feeding  
PLC Control for all Electric and Hydraulic Functions

Hydraulic Blade Tension Device  
Full Stroke Hydraulic Vises  
Hydraulic Carbide Blade Guide  
Power Driven Wire Brush  
10 Cutting Presents

### OPTIONAL EQUIPMENT:

2M Roller Stand  
UE-9L Coolant System  
Chip Cart  
Work Light  
Hydraulic Vertical Pressure Vise  
Manual Vertical Pressure Vise  
Roller Conveyors

### PRICE:

\$ P.O.R.  
\$ P.O.R.  
\$ P.O.R.  
\$ P.O.R.  
\$ P.O.R.  
\$ P.O.R.  
\$ P.O.R.



## ACRA MD32MMF DRILL PRESSES



**FEATURES:**

<b>Series:</b>	<b>MD32MMF</b>
Max. Dist (Col. Cntr/Spl):	21" Drill
Cap.	1-1/4"
Spindle Stroke:	4-13/16"
Spindle RPM (12):	250-2600
Spindle Taper:	MT #4
Column Size:	3-1/2"
Table Size:	18-1/2" x 16"
Horsepower:	1 HP
Voltage:	110/220V AC / 1 PH
Dimensions:	32" x 20" x 71"

Made in Taiwan

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
AMD32MMF	MD32MMF Drill Press	400 LBS	\$ 1,800.00

**STANDARD EQUIPMENT:**

3/4" Drill Chuck & Chuck Key	Tilting Table	Arbor & Wedge	Height Adjust Handle
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## ACRA FRD RADIAL ARM DRILL



Made in Taiwan

### FEATURES:

Series:	FRD900	FRD1100	FRD1280	FRD1300	FRD1700
Capacity:	3'x8"	3'x11"	4'x11"	4'x11"	4'x13"
Drilling Steel:	1-1/2"	2"	2"	2-5/32"	2-1/8"
Drilling Cast Iron:	2"	2-3/8"	2-3/8"	2-19/32"	2-1/2"
Tapping Steel:	3/4"	1"	1"	1-9/16"	1-15/16"
Spindle Taper:	MT#4	MT #4	MT#4	MT #5	MT #5
Spindle Dia.:	2-3/4"	3-1/16"	3-1/16"	3-1/16"	3-1/16"
Spindle Travel:	7-7/8"	9-7/8"	9-7/8"	9-7/8"	9-7/8"
Spindle RPM:	88~1500	44~1500	44~1500	44~1500	25~1300
Column Dia.	8-1/4"	11-7/8"	11-7/8"	11-7/8"	13-7/32"
Main Motor:	2 HP	3 HP	3 HP	5 HP	7-1/2 HP
Voltage:	230/460V AC/3PH		230V or 460V AC / 3 PH (2 Speeds)		

STOCK #	MODEL	WEIGHT	PRICE
AFRD900	FRD 900 Radial Arm Drill	2,800 LBS	\$ 14,500.00
AFRD1100	FRD 1100 Radial Arm Drill	4,738 LBS	\$ 23,000.00
AFRD1280	FRD 1280 Radial Arm Drill Hydraulic Clamping	4,850 LBS	\$ 28,000.00
AFRD1300	FRD 1300 Radial Arm Drill Hydraulic Clamping	5,550 LBS	\$ 30,000.00
AFRD1700	FRD 1700 Radial Arm Drill Hydraulic Clamping	7,200 LBS	\$ 41,500.00

### STANDARD EQUIPMENT:

Coolant System      Toolbox      Box Table      Work Light

## ACRA ARD RADIAL ARM DRILL

### FEATURES:



Made in Taiwan

Series:	ARD1600H	ARD2000H	ARDC2500
Capacity:	4'x13"	5'x17"	6'x21"
Drilling Steel:	2-9/16"	2-9/16"	3-1/16"
Drilling Cast Iron:	2-3/4"	2-3/4"	3-15/16"
Tapping Steel:	2"	2"	2-9/16"
Column Diameter:	17"	17"	21"
Spindle Taper:	MT #5	MT #5	MT #6
Spindle Stroke	14-1/2"	14-1/2"	17-3/4"
Spindle Diameter:	2"	2-1/2"	3-5/32"
Spindle Travel:	44-7/8"	59-7/16"	78-3/4"
Spindle RPM (12):	40-1920	35-1890	16-1250
Main Motor:	7.5 HP	7.5 HP	10 HP
Voltage:	230/460V AC / 3 PH		

STOCK #	MODEL	WEIGHT	PRICE
AARD1600	ARD 1600H Radial Arm Drill	11,220 LBS	\$ 70,000.00
AARD2000	ARD 2000H Radial Arm Drill	15,620 LBS	\$ 96,000.00
AARDC2500	ARD C2500 Radial Arm Drill	24,200 LBS	\$ 145,000.00

### STANDARD EQUIPMENT:

Coolant System      Toolbox      Box Table      Work Light

## ACRA RF 40/40N2F GEAR HEAD MILL DRILL



**FEATURES:**

<b>Series:</b>	<b>RF40</b>	<b>RF40N2F</b>
Table:	28-3/4" X 8-1/4"	
Longitudinal Travel:	18"	
Cross Travel:	9"	
Column Diameter:	4-1/2"	
Spindle Taper:	R-8	
Spindle Stroke:	5"	
Swing:	18-7/8"	
Spindle RPM:	105 - 1820	
Main Motor:	1 HP	
Voltage:	110/220V AC / 1 PH	
Dimensions:	31" x 29" x 45"	

Made in Taiwan

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
ARF40	RF 40 Geared Head Mill Drill	660 LBS	\$ P.O.R.
ARF40N2F	RF 40 N2F Geared Head Mill Drill w/Power Down Feed	660 LBS	\$ P.O.R.
<b>OPTIONAL ACCESSORIES:</b>			<b>PRICE</b>
Mill Stand .....			\$ 350.00
Table Feed .....			\$ 450.00
Clamp Kit .....			\$ 100.00

## ACRA RF 46SF HEAVY DUTY GEAR HEAD DRILL PRESS



Made in Taiwan

**FEATURES:**

<b>Series:</b>	<b>RF46 SF</b>
Table:	22" X 19-1/2"
Dia. Of Col:	4-1/2"
Spindle Taper:	MT 4
Spindle Stroke:	5-1/8"
Swing:	20-1/2"
Spindle RPM:	60-1500
Main Motor:	1-1/2 HP
Voltage:	110/220V AC / 1 PH
Dimensions:	23" x 34" x 78"

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
ARF46SF	RF 46SF Gear Head Drill Press w/Power Down Feed and Coolant System	660/910 LBS	\$ 6,250.00

\*All prices and specifications subject to change without notice!

## ACRA RF31 STEP PULLEY MILL DRILL



Made in Taiwan

**FEATURES:**

<b>Series:</b>	<b>RF31</b>
Table:	28-3/4" X 8-1/4"
Table Travels (X/Y):	18"/7-1/2"
Spindle Taper:	R-8
Spindle Stroke:	5-1/8"
Swing:	13-3/8"
Spindle RPM:	150-3000 RPM
Column Diameter:	4-1/2"
Main Motor:	2 HP
Voltage:	110/220V AC / 1 PH
Dimensions:	32" x 30" x 47"

<b>STOCK #</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
ARF31	RF 31 Step Pulley Mill Drill	600/660 LBS	\$ 2,500.00

**OPTIONAL ACCESSORIES:**

	<b>PRICE</b>
Mill Stand (70 LBS) .....	\$ 350.00
Table Feed .....	\$ 450.00
Clamp Kit .....	\$ 100.00

## ACRA RF45 GEAR HEAD MILL DRILL



Made in Taiwan

**FEATURES:**

<b>Series:</b>	<b>RF45</b>
Table:	9-1/2" X 32-1/4"
Table Travels (X/Y):	20"/8"
Spindle Taper:	R-8
Spindle Stroke:	5-1/8"
Swing:	20"
Spindle RPM:	60-1500 RPM
Main Motor:	1 HP
Voltage:	110/220V AC / 1 PH
Dimensions:	36" x 29" x 50"

<b>STOCK#</b>	<b>MODEL</b>	<b>WEIGHT</b>	<b>PRICE</b>
ARF45	RF 45 Gear Head Mill Drill	730 / 800 LBS	\$ P.O.R.
ARF45PF	RF 45 PF Gear Head Mill Drill w/Power Down Feed	730 / 800 LBS	\$ P.O.R.

**OPTIONAL ACCESSORIES:**

	<b>PRICE</b>
Mill Stand (70 LBS) .....	\$ 350.00
Table Feed .....	\$ 450.00
Clamp Kit .....	\$ 100.00

\*All prices and specifications subject to change without notice!

## ACRA PLUS MILLS

### FEATURES:



Made In Taiwan

<b>Series:</b>	<b>AM2V</b>	<b>AM5V</b>
Table Size:	9" x49"	12.5"x58"
Max Table Load:	550lbs	990lbs
Travel (X/Y/Z):	32-1/2"x12-1/2"x5"	39"x17"x5"
Spindle to Table:	18-3/4"	20"
Spindle Taper:	R8 or #30NST	#40NST
RPM:	65~4200	50-3750
RPM (AC):	50~5,000	
MOTOR:	3 HP	5 HP

### STANDARD EQUIPMENT

Harden & Ground Ways  
Harden & Ground Table

Double Wall Construction  
Quill Heat Treat Hardened & Chromed  
Acu-Rite MillPwr™ CNC Control

TURCITE on X & Y  
Auto Lubrication  
Remote Start/Stop

STOCK#	MODEL		WEIGHT	PRICE
AM2V949-2X	AM2V	9" x 49" w/Acu-rite MillPwr™ CNC 2X Control	2,400 LBS	\$ 31,000.00
AM5V1258-2X	AM5V	12.5" x 58" w/Acu-rite MillPwr™ CNC 2X Control	4,400 LBS	\$ 40,000.00
AM2V949-3X	AM2V	9" x 49" w/Acu-rite MillPwr™ CNC 3X Control	2,400 LBS	\$ 36,500.00
AM5V1258-3X	AM5V	12.5" x 58" w/Acu-rite MillPwr™ CNC 3X Control W/Fagor 8055i CNC Control	4,400 LBS	\$ 45,500.00 Same Price

### OPTIONAL ACCESSORIES:

AC Inverted Spindle.....	\$ 1,500.00
Z-Axis Scale on Knee .....	\$ 1,250.00

### Special Voltages

Single Phase Spindle (Not AC) .....	\$ 300.00
440V~480V (AC Only) .....	\$ 250.00

**1 MICRON (UM) GLASS SCALE FEEDBACK, ALL AXIS** **STANDARD**

**AUTO LUBE, NEW PRECISION GROUND BALL SCREWS** **STANDARD**

**ALL ACCESSORIES AND CONTROL, INSTALLED**

**MILLPOWER WARRANTY, 2 YEARS, FROM SHIP DATE FROM MILLPOWER**

**CONFIRM DELIVERY AT TIME OF ORDER**

**ACRA MACHINERY IS NOT RESPONSIBLE FOR TRAINING**

[www.acramachinery.com](http://www.acramachinery.com)  
**ACRA PLUS MILLS**



Made in Taiwan

**FEATURES:**

Series:	LCM42	LCM50	LCTM1	LCTM2
Table Size:	9"x 42"	9"x50"	10"x54"	10"x54"
Max Table Load:	550lbs	550lbs	990lbs	990lbs
Travel (X/Y/Z):	27" x12" x5"	35" x12" x5"	33" x16" x5"	36" x16" x5"
Spindle to Table:	18-1/2"	18-1/2"	20-5/8"	22-3/8"
Spindle Taper:		R8 or #30NST		#40NST
RPM:		60-4500		
RPM (AC):		60-4500		
MOTOR:		3 HP		5 HP

**STANDARD EQUIPMENT**

Harden & Ground Ways (LCTM1-LCTM2) Chrome Way (LCM-42-50) Harden & Ground Table  
 Quill Heat Treat Hardened & Chromed Acurite MillPwr™ CNC Control Auto Lubrication

STOCK#	MODEL	WEIGHT	PRICE
ALCM42942-2X	LCM42 9" x 42" w/Acu-rite MillPwr™ CNC 2X Control	2,900 LBS	\$ 30,500.00
ALCM50950-2X	LCM50 9" x 50" w/Acu-rite MillPwr™ CNC 2X Control	3,000 LBS	\$ 31,000.00
ALCTM1 1054-2X	LCTM1 10" x 54" w/Acu-rite MillPwr™ CNC 2X Control	3,500 LBS	\$ 33,750.00
ALCTM2 1054-2X	LCTM2 10" x 54" w/Acu-rite MillPwr™ CNC 2X Control	3,700 LBS	\$ 36,500.00
ALCM42942-3X	LCM42 9" x 42" w/Acu-rite MillPwr™ CNC 3X Control	2,900 LBS	\$ 36,000.00
ALCM50950-3X	LCM50 9" x 50" w/Acu-rite MillPwr™ CNC 3X Control	3,000 LBS	\$ 36,300.00
ALCTM1 1054-3X	LCTM1 10" x 54" w/Acu-rite MillPwr™ CNC 3X Control	3,500 LBS	\$ 39,250.00
ALCTM2 1054-3X	LCTM2 10" x 54" w/Acu-rite MillPwr™ CNC 3X Control	3,700 LBS	\$ 42,000.00
	W/FAGOR 8055i CNC Control		Same Price

**OPTIONAL ACCESSORIES:**

AC Inverter Drive 230V (LCM-42,50, LCTM1) only.....	\$ 1,400.00
W-Axis Scale on Knee .....	\$ 1,250.00
AMI Deluxe Option ... (FAGOR 8055i no charge).....	\$ 3,300.00

**Special Voltages**

Single Phase Spindle (Not AC) .....	\$ 300.00
AC Inverter Drive 460V .....	\$ 250.00

**1 MICRON (UM) GLASS SCALE FEEDBACK, ALL AXIS** **STANDARD**  
**AUTO LUBE, NEW PRECISION GROUND BALL SCREWS** **STANDARD**  
**ALL ACCESSORIES AND CONTROL, INSTALLED**  
**MILLPOWER WARRANTY, 2 YEARS, FROM SHIP DATE FROM MILLPOWER**  
**CONFIRM DELIVERY AT TIME OF ORDER**  
**ACRA MACHINERY IS NOT RESPONSIBLE FOR TRAINING**

\*All prices and specifications subject to change without notice!



## ACRA CNC TOOLROOM LATHE ATL-618A



### Description

The ACRA CNC Toolroom Lathes are fast and precise machines built on a rugged frame and ideally suited for accurate turning and threading operations. Speed and reliability are achieved by the combination of heated treated precision ground ways, TURCITE "B" mating surfaces with color L.C.D., manual pulse generator, and operator friendly software (other controls available) for quicker, easier programming and set-up.

1. FANUC 0i Mate-TD + Manual Guide 0i Controller.
2. Guaranteed Circular Accuracy to 50 millionths of an inch.
3. Precision ball screw on X, Z-axis.
4. Protection guard on Z-axis ball screw.
5. X, Z axis feeds driven by AC Servo Motor.
6. X, Z axis ball screws directly coupled to AC Servo Motor, minimizing backlash.
7. Spindle mounted on high precision preloaded angular contact ball bearings.
8. Powerful 5HP motor (5HP-Optional) with Yaskawa current vector inverter drive for improved torque response at low end.
9. Fast lever Collect Chucking.
10. Air Collet Closer.

## ACRA CNC TOOLROOM LATHE ATL-618A

**Series:**

ATL-618 A (TOOLROOM)

**Machine Specifications**

**Workpiece Capacity:**

Swing over Bed/Guard	11"
Swing Over Cross Slide	6"
Swing Over Carriage	9"
Between Centers	18"

**Spindle:**

Spindle Nose Diameter	2-3/16"
Spindle Taper ID/OD	5C (10 degree)/4-degree Taper
Speeds (variable)	50 – 6,000 RPM.
Hole Through Spindle	1-1/4"
Bar Capacity	1-1/16"

**Travels:**

X Axis	6-1/4"
Z Axis	13-1/2"
Rapid Traverse	787 IPM

**Tailstock:**

Taper Quill	MT #2
Diameter Quill	1.3/16"
Travel	3-3/4"

**Overview:**

Net Weight	2,200 lbs
Control	FANUC OI Mate TD
Footprint (L x W x H)	87" x 44"x 78"

**Standard Equipment:**

CNC or Manual Operation	Simple Air Collet Closer	Coolant System	Work Light
Auto Lubrication	Tool Holder	Special Tools	CE Splash Guard

STOCK #	MODEL#	PRICE
ATL618A	ATL-618CNC TOOLROOM LATHE W/OI MATE TD	\$ 55,000.00
ATL618AF	ATL-618CNC TOOLROOM LATHE W/FAGOR 8055I	\$ 60,000.00

**OPTIONAL ACCESSORIES:**

	PRICE
Follow Rest.....	\$ 450.00
Face Plate .....	\$ 300.00
6" 4 Jaw Scroll Chuck with Back Plate .....	\$ 950.00
6" 3 Jaw Adjust TRU Chuck with Back Plate .....	\$ 950.00
Power Collet Closer .....	\$ P.O.R.
4 Station Turret (Manual) .....	\$ P.O.R.
5C Collet Fixture Plate (3 -3/8" Dia.) .....	\$ 100.00
5C Collet Fixture Plate (4 -3/8" Dia.) .....	\$ 125.00
Chip & Coolant Shield .....	\$ 1,250.00
Curved Splash Enclosure with Built in Work light .....	\$ 2,800.00
Gang Tooling Option .....	\$ P.O.R.

## ACRA 14"/16" CNC-TEACH LATHE



### **Description**

The ACRA 1440/1640/1660 CNC Lathes are versatile teach type CNC Flat Bed Lathes with Manual, Conversational, Teach, and CNC operating modes. The bed features a rugged MEEHANITE casting, with thick widely spaced cross supports and induction hardened ground ways for accuracy and rigidity. Coolant system with removable tank is standard. Precision ground ball screws are driven by AC digital servo motors. The spindle is driven by an infinitely variable AC inverter and includes constant surface speed and threading functions.

This machine will be useful on day #1 with any level of operator, for production or prototype. It can be operated manually with jog joysticks and MPG hand wheels Teach and Repeat, user interactive Conversational, or full-blown CNC G-Code / M-Function with macros. Some models include a Part Shape program generator, with graphics display.

## ACRA 14"/16" CNC TEACH- LATHE

Series:	1440	1640	1660
<b>Machine Specifications</b>			
<b>Workpiece Capacity:</b>			
Swing over Bed	14-3/16"	16-3/16"	16-3/16"
Max Working Length (4 Way Tool Post)	27-1/2"	27-1/2"	47-7/16"
Max Working Dia. (4 Way Tool Post)	6-6/8 "	8-6/8"	8-6/8"
Between Centers	35-6/8"	35-6/8"	55-7/8"
Width of Bed	10-1/4"	10-1/4"	10-1/4"
<b>Spindle:</b>			
Nose		DI-6	
Spindle Center Sleeve		MT #4	
Spindle Bore / Bar Capacity		1-6/8" / 1-3/8"	
(#) Range of Spindle Speed		Inf. Variable 40 – 5000RPM	
Motor		7-1/2 HP (10 HP Opt.)	
Travel X		8-1/16"	
Travel Z	34"	34"	54"
Rapid Travel		295.3/393.7 ipm	
Axis Motor		1.0 HP	
Z Axis Motor		1.6 HP	
<b>Turret:</b>			
Tool Station		Standard Manual 4 Way Tool Post	
Boring Bar Diameter		20mm (0.787")	
<b>Tailstock:</b>			
Quill Taper		MT #4	
Quill Diameter		2-1/4"	
Quill Travel		5-1/2"	

**STANDARD EQUIPMENT:**

Fanuc OI Mate TD Controller	Halogen Light	Coolant System
6" 3 Jaw Chuck		

STOCK#	MODEL	WEIGHT	PRICE
AFEL1440 ENC	FEL-1440 ENC CNC LATHE	5,732 lbs.	\$ 44,000.00
AFEL1640 ENC	FEL-1640 ENC CNC LATHE	5,842 lbs.	\$ 45,000.00
AFEL1660 ENC	FEL-1660 ENC CNC LATHE	6,063 lbs.	\$ 47,500.00

**OPTIONAL ACCESSORIES:**

	PRICE
Hydraulic Tailstock Quill .....	\$ 1,950.00
6" Hydraulic System w/ Chuck .....	\$ 3,500.00
Hydraulic H4 Turret or V8 Turret.....	\$ 3,000.00
Chip Conveyor .....	\$ 3,750.00
Steady Rest .....	\$ 450.00
Follow Rest .....	\$ 275.00
Chuck Guard .....	\$ 400.00

## ACRA 22" CNC-TEACH LATHE



### **Description**

The ACRA 2240/2260/2280/22120 CNC Lathes are versatile teach type CNC Flat Bed Lathes with Manual, Conversational, Teach, and CNC operating modes. The bed features a rugged MEEHANITE casting, with thick widely spaced cross supports and induction hardened ground ways for accuracy and rigidity. Coolant system with removable tank is standard. Precision ground ball screws are driven by AC digital servo motors. The spindle is driven by an infinitely variable AC inverter and includes constant surface speed and threading functions.

This machine will be useful on day #1 with any level of operator, for production or prototype. It can be operated manually with jog joysticks and MPG hand wheels Teach and Repeat, user interactive Conversational, or full-blown CNC G-Code / M-Function with macros. Some models include a Part Shape program generator, with graphics display.

### **Functions:**

1. The main spindle motor is direct driven. The spindle is supported by a single cylinder bearing housing equipped with SP level precision double row cylindrical roller bearing/angular contact thrust bearings and lubricated with HI-class grease. The front spindle is designed with a labyrinthian collar and protector cover to prevent the entering of coolant or chips.
2. Encased in a well-ribbed headstock for maximum heat dissipation. Prevents any thermal distortion after long periods of turning thereby ensuring accurate cutting.
3. Bed ways and cross slide are hardened and ground to min HS70.
4. Turcite "B" coating between the bed and carriage.

## ACRA 22" CNC TEACH- LATHE

Series:	FEL2240	FEL2260	FEL2280	FEL22120
<b>Machine Specifications</b>				
<b>Workpiece Capacity:</b>				
Swing Over Bed		21-9/16"		
Max Working Length (4 Way Tool Post)	26-9/16"	46-7/16"	66-3/16"	105-1/2"
Max Working Dia. (4 Way Tool Post)		12.80"		
Between Centers	34-1/4"	53-15/16"	73-9/16"	113"
Width of Bed		13-6/8"		
<b>Spindle:</b>				
Nose		A2-8		
Spindle Center Sleeve		MT #5		
Spindle Bore / Bar Capacity		3-6/8" / 3-1/16"		
(#) Range of Spindle Speed		Inf. Variable 35 – 3,500 RPM		
Motor		15 HP FANUC Spindle Motor		
Travel (X )		11-14/16"		
Travel (Z )	30-9/16"	50-7/16"	70-3/16"	109-7/16"
Rapid (X / Z )		295 IPM / 394 IPM		
X Axis Motor		2.4HP β12 /3000is		
Z Axis Motor		3.33HP β22 /2000is		
<b>Turret:</b>				
Tool Station		Electric V8 Turret		
Size of External Turning Tool		1"		
Boring Bar Diameter		1-1/2"		
<b>Tailstock:</b>				
Quill Taper		MT #5		
Quill Diameter		3-6/16"		
Quill Travel		7.00"		

**STANDARD EQUIPMENT:**

Fanuc Oi Mate TD Controller	Halogen Light	Coolant System
10" Hydraulic Chuck	V8 Turret	Hydraulic Tailstock

STOCK#	MODEL	WEIGHT	PRICE
AFEL2240 ENC	FEL-2240 ENC CNC LATHE	9,811 lbs.	\$ 70,000.00
AFEL2260 ENC	FEL-2260 ENC CNC LATHE	10,803 lbs.	\$ 75,000.00
AFEL2280 ENC	FEL-2280 ENC CNC LATHE	11,905 lbs.	\$ 82,500.00
AFEL22120 ENC	FEL-22120 ENC CNC LATHE	13,228 lbs.	\$ 89,950.00
	FAGOR 8055i		\$ P.O.R.

**OPTIONAL ACCESSORIES:**

	PRICE
Electronic H4 turret .....	\$ 6,600.00
Chip Conveyor and chip bucket cart .....	\$ 5,350.00
Steady Rest with ball bearing 9" (16-180mm) .....	\$ 1,000.00
Steady Rest with ball bearing 12" (150-300mm) .....	\$ 1,850.00
Follow Rest .....	\$ 400.00



# CET Series

## Hollow Spindle CNC Flat Bed Lathe with Fanuc 0iTF Controller



Description \ Model	CET 28		CET 32	
Swing Over Bed	730 mm (28")		830 mm (32")	
Swing Over Cross Slide	450 mm (17.7")		550 mm (21.6")	
Distance Between Centers	1000 mm (40")	1500 mm (60")	2000 mm (80")	3000 mm(120") 4000 mm(160")
<b>HEAD STOCK</b>				
Spindle Bore	105 mm (4")	*153 mm (6") (Opt.)	*230 mm(9") (Opt.)	
Spindle Nose	A2-8	A2-11	A2-15	
Range of Spindle Speeds	3~1200 RPM		3~1000 RPM	2~800 RPM
Number of Spindle Speeds	2			
<b>TURRET</b>				
Number of Tool Stations	H4 / H6 / V 8			
OD Tool Shank Size	25 x 25 mm (1" x 1")			
ID Tool Shank Diameter	Ø40 mm (1.57")			
<b>CARRIAGE</b>				
Cross Slide Travel (X-axis)	400 mm (15.7")			
Longitudinal Travel (Z-axis)	1000 mm (39.3")	1500 mm (59")	2000 mm (78.7")	3000 mm(118.1") 4000 mm(157.4")
AC servo motor	X: 3 KW (4 HP) Z: 4 KW (5.4 HP)			
Rapid feed	X: 10 m/min (393 ipm) Z: 8 m/min (315 ipm)			
Cutting feed rate	X/Z: 0.001~500 mm/rev (0.0004~20"/rev)			
<b>TAILSTOCK</b>				
Quill Diameter	95 mm (3.47") / *105 mm (4") (Opt.)			
Quill Travel	230 mm (9")			
Taper of Center	M.T. No.5 / *M.T. No.6 (Opt.)			
<b>MOTOR</b>				
Main Spindle (continuous)	AC 15 KW (20 HP)	*AC 18.5 KW (25 HP) (Opt.)		
Main Spindle (30min. rating)	AC 18.5 KW (25 HP)	*AC 22 KW (30 HP) (Opt.)		
Hydraulic Pump	1.5KW (2 HP)			
Coolant Pump	0.375KW (0.5 HP)			
<b>CONTROL</b>				
Controller	FANUC / FAGOR / SIEMENS			
<b>BED (ONE-PIECE MACHINE BED WHICH IS MOST SUITABLE FOR HEAVY DUTY MACHINING)</b>				
Width of Bed	480 mm (18")			

CET-28 Pricing		
<b>4" Bore</b>		
CET-28x1000	28"x40"	\$152,250
CET-28x1500	28"x60"	\$156,150
CET-28x2000	28"x80"	\$162,800
CET-28x3000	28"x120"	\$172,800
CET-28x4000	28"x160"	\$185,150
<b>6" Bore</b>		
CET-28x1000	28"x40"	\$159,450
CET-28x1500	28"x60"	\$163,350
CET-28x2000	28"x80"	\$170,000
CET-28x3000	28"x120"	\$180,000
CET-28x4000	28"x160"	\$193,350
<b>9" Bore</b>		
CET-28x1000	28"x40"	\$175,000
CET-28x1000	28"x60"	\$178,900
CET-28x2000	28"x80"	\$185,600
CET-28x3000	28"x120"	\$195,600
CET-28x4000	28"x160"	\$208,900
<b>CET-32 Pricing</b>		
CET-32	EXTRA	\$5,600
ADD: H4 OR H6. TURRET		\$6,150

\*Specifications are subject to change without notice for further design improvement.

All pricing is F.O.B.

RANCHO CUCAMONGA, CALIFORNIA.

# CET Series

## STANDARD ACCESSORIES:

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- Controller FANUC 0iTF, 220V, 3 phase
- FANUC 0iTF Controller with Manual Guide i
- Operating, Electric, Controller & Parts Manual
- Color LCD 10.4"
- MPG Hand Wheel
- Spindle Motor 25/30 HP (35 kVA)
- Spindle Bore 105 mm (A2-8)
- Hydraulic System
- Auto Lubrication System
- Head Stock Coolant System
- Air Conditioner
- Tailstock Movable by Engaging with carriage
- H4/H6/V8 Tool Turret
- Work Light
- Rear Chip Conveyor & Chip Cart
- Double Door & Splash Guard
- Two Chuck Ready Spindle
- Live Center
- Tool Box with Adjusting Tool
- Foundation Pads, Leveling Screws
- Wood Plate of Vacuum
- Steady Rest

## STANDARD TOOLING PACKAGES:

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The following tooling packages are standard to the Turret configuration of machine. See below for additional tool holder

Turret	V8		H4	
Tool Center Height	1"		1 1/4"	
Facing Tool Holder	1 1/4"	2 pcs		
Boring Bar Holder	1 1/2"	4 pcs	2"	4 pcs
Sleeve	1 1/4"	2 pcs	1 3/4"	2 pcs
	1"	2 pcs	1 1/2"	2 pcs
	3/4"	2 pcs	1 1/4"	2 pcs
	5/8"	2 pcs	1"	2 pcs
	1/2"	2 pcs	3/4"	2 pcs
	3/8"	2 pcs		
Drilling Sleeve	MT#3, #4	1 pc each	MT #3,#4	1 pc each

## OPTIONAL ACCESSORIES:

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Fagor Controller: \$3,300.00

Siemen's Controller: \$3,500.00

Live Tooling (C Axis): \$45,000.00

H6 Hydraulic Turret: \$5,000.00

Full Safety Guard: \$6,000.00

Steady Rest: 11.8" \$2,000.00  
 17.7" \$2,500.00  
 19.7" \$2,800.00

# CST Series

## Hollow Spindle CNC Flat Bed Lathe with Fanuc 0iTF Controller



Description \ Model	CST 42	CST 46	CST 50
Swing Over Bed	1070 mm (42")	1170 mm (46")	1270 mm (50")
Swing Over Cross Slide	680 mm (26.7")	780 mm (30.7")	880 mm (34.6")
Swing Over Gap	*1400 mm (55.1") (Opt.)	*1500 mm (59") (Opt.)	*1600 mm (62.9") (Opt.)
Width of Gap		*560 mm (22") (Opt.)	
Distance Between Centers	1000 mm(40") 2000 mm(80") 3000 mm(120")	4000 mm(160") 5000 mm(200")	6000 mm(240") 7000 mm(280") 8000 mm(320")

### HEAD STOCK

Spindle Bore	153 mm (6")	*230 mm(9") (Opt.)	*255 mm(10") (Opt.)	*310 mm(12") (Opt.)	*356 mm(14") (Opt.)
Spindle Nose	A2-11	A2-15	A2-15	A2-20	A2-20
Range of Spindle Speeds	1~ 680 RPM	1~450 RPM	1~420 RPM	1~400 RPM	1~350 RPM
Number of Spindle Speeds	4	4	4	2	2

### TURRET

Number of Tool Stations	H 4 / H 6 / V 8
OD Tool Shank Size	32x32 mm (1-1/4"x1-1/4")
ID Tool Shank Diameter	Ø50 mm (1.96")

### CARRIAGE

Cross Slide Travel (X-axis)	680 mm (26.7")
Longitudinal Travel (Z-axis)	1300 mm(51") 2300 mm(90") 3300 mm(129") 4300 mm(169") 5000 mm(196") 6000 mm(236") 7000 mm(275") 8000 mm(314")
AC servo motor	X: 3 KW (4 HP) Z: 7 KW (9.4 HP)
Rapid feed	X: 10 m/min (393 ipm) Z: 8 m/min (315 ipm)
Cutting feed rate	X/Z: 0.001~500 mm/rev (0.0004"~20"/rev)

### TAILSTOCK

Quill Diameter	155 mm (6.1")
Quill Travel	250 mm (98.4")
Taper of Center	M.T. No.6

### MOTOR

Main Spindle (continuous)	AC 22 KW (30 HP)	*AC 30 KW (40 HP) (Opt.)
Main Spindle (30min. rating)	AC 26 KW (35 HP)	*AC 37 KW (50 HP) (Opt.)
Hydraulic Pump	1.5 KW (2 HP)	
Coolant Pump	0.375 KW (0.5 HP)	

### CONTROL

Controller	FANUC / FAGOR / SIEMENS
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### BED (ONE-PIECE MACHINE BED WHICH IS MOST SUITABLE FOR HEAVY DUTY MACHINING)

Width of Bed	665 mm (26")
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### CST- Pricing

6" Bore		
CST-42x1000	42"x40"	\$209,500
CST-42x2000	42"x80"	\$226,000
CST-42x3000	42"x120"	\$242,500
CST-42x4000	42"x160"	\$265,000
CST-42x5000	42"x200"	\$290,000
CST-42x6000	42"x240"	\$325,000
CST-42x7000	42"x280"	\$370,000
CST-42x8000	42"x320"	\$420,000
9" BORE	EXTRA	\$14,000
10" BORE	EXTRA	\$21,000
12" BORE	EXTRA	\$36,000
14" BORE	EXTRA	\$55,000
CST-46	EXTRA	\$8,000
CST-50	EXTRA	\$16,000

\*Specifications are subject to change without notice for further design improvement.

\*All prices and specifications subject to change without notice!

# CST Series

## STANDARD ACCESSORIES:

- Controller FANUC 0iTF, 220V, 3 phase
- FANUC 0iTF Controller with Manual Guide i
- Operating, Electric, Controller & Parts Manual
- Color LCD 10.4"
- MPG Hand Wheel
- Spindle Motor 30/35 HP (50 kVA)
- Spindle Bore 153 mm (A2-11)
- Hydraulic System
- Auto Lubrication System
- Head Stock Coolant System
- Air Conditioner
- Tailstock Movable by Engaging with carriage
- H4/H6/V8 Tool Turret
- Work Light
- Rear Chip Conveyor with Cart
- Double Door & Splash Guard
- Center and Center Sleeve
- Live Center
- Tool Box with Adjusting Tool
- Foundation Pads, Leveling Screws
- Wood Plate of Vacuum

## STANDARD TOOLING PACKAGES:

The following tooling packages are standard according to the Turret configuration of machine.

See below for additional tool holder

Turret	V8		H6		H4	
Tool Center Height	1"				1 1/4"	
Facing Tool Holder	1 1/4"	2 pcs				
Boring Bar Holder	1 1/2"	4 pcs	2"	6 pcs	2"	4 pcs
Sleeve	1 1/4"	2 pcs	1 3/4"	2 pcs	1 3/4"	2 pcs
	1"	2 pcs	1 1/2"	2 pcs	1 1/2"	2 pcs
	3/4"	2 pcs	1 1/4"	2 pcs	1 1/4"	2 pcs
	5/8"	2 pcs	1"	2 pcs	1"	2 pcs
	1/2"	2 pcs	3/4"	2 pcs	3/4"	2 pcs
	3/8"	2 pcs				
Drilling Sleeve	MT#3, #4	1 pc each	MT #3,#4	1 pc each	MT #3,#4	1 pc each

## OPTIONAL ACCESSORIES:

- Fagor Controller: \$3,700.00
- Siemen's Controller: \$3,900.00
- Live Tooling+ (C-Axis) V-8: \$50,000.00
- Double Turret Attachment: \$3,150.00
- 3-Jaw Hydraulic Chuck 15": \$P.O.R
- 4-Jaw Independent Chuck 24": \$P.O.R
- Steady Rest: 11.8" (\$3,150.00), 23.6" (\$4,100.00), 31.5" (\$6,700.00)
- Roller Steady Rest: \$7,800.00
- Powerful Spindle Motor (40/50 HP): \$5,600.00

## CL38 Series:

Hollow Spindle CNC Flat Bed Lathe with Fancu 0iTD Controller



	CL-38A		CL-38C	
<b>CAPACITY:</b>				
Swing Over Bed			26"	
Swing Over Cross Slide			14-1/2"	
Distance Between Centers	80"	120"	160"	200" 240"
Max. Cutting Diameter			23-5/8"	
Width of Bed			18"	
<b>HEAD STOCK:</b>				
Spindle Bore	4.7"			7.1"
Nose Type	A2-11			A2-15
Spindle Speeds (RPM)	6~2000			3~1000
Number of Speed Ranges	2			2
Hi/Lo Selection	Auto Shift			Auto Shift
<b>SPINDLE MOTOR</b>			30 HP (30 MIN)	
<b>TURRET SELECTION</b>			V8 & H6 or H4	
Standard				
<b>TRAVELS</b>				
X-Axis			21"	
Z-Axis	80"	120"	160"	200" 240"
Rapid Travel X/Z			400 ipm	
<b>SERVO MOTORS</b>				
X-Axis			4 HP	
Z-Axis			5.3 HP	
Ballscrew			(X-Axis ~ 1-7/16", P-6) (Z-Axis ~ 2", P-12)	
<b>POWER REQUIRED</b>				
Voltage			35 KVA	
<b>TAILSTOCK</b>				
Quill Diameter			3-7/8"	
Tailstock Quill Nose			MT #5	
Quill Travel			7-7/8"	
<b>DIMENSIONS &amp; WEIGHT</b>				
Machine Height			77"	
Machine Width			117"	
Machine Length	177"	197"	218"	258" 298"
Machine Weight (lbs.)	12,566	13,668	15,873	17,857 19,841

### CL-38 Pricing:

#### A Type 4.7" Bore

CL-38 x 1000	26" x 40"	\$149,000.00
CL-38 x 1500	26" x 60"	\$153,000.00
CL-38 x 2000	26" x 80"	\$157,000.00
CL-38 x 3000	26" x 120"	\$167,000.00
CL-38 x 4000	26" x 160"	\$180,000.00

#### C Type 7.1" Bore

CL-38 x 1000	26" x 40"	\$157,000.00
CL-38 x 1500	26" x 60"	\$161,000.00
CL-38 x 2000	26" x 80"	\$165,000.00
CL-38 x 3000	26" x 120"	\$175,000.00
CL-38 x 4000	26" x 160"	\$188,000.00

All pricing is F.O.B Rancho Cucamonga, CA.

\*\*All prices and specification subject to change without notice!



## CL-38 Series

### STANDARD ACCESSORIES

- 25 HP (cont.) / 30 HP (30 min), AC Spindle
- Motor (Fanuc), 220V(only), 3 phase, 60 cycle
- FANUC 0iTD Controller with Manual Guide i,
- 10.4" LCD Monitor
- 18" Bed Width
- V8 (Front) & H6 (Rear) or H4 Servo Turret
- 10" Steady Rest With Rollers (min 1 1/2" Cap)
- Rear Chip Conveyor with Chip Cart
- All in one Tail Stock with Built-in Center
- Tailstock Movable by Engaging With Carriage
- Dead Center For Tailstock
- Coolant System
- Halogen Light
- Two Chuck Ready Spindle
- Auto Lubrication System
- Moving Door & Splash guard
- Foundation Pads, Leveling Screws
- Tool Box & Tools
- Operating, Electric, Controller & Parts Manual

### STANDARD TOOLING PACKAGES

The following tooling packages are standard according to the Turret configuration of machine (select only two (2). See below for additional tool holder

Turret	V8		H6		H4	
Tool Center Height	1"				1 1/4"	
Facing Tool Holder	1 1/4"	2 pcs				
Boring Bar Holder	1 1/2"	4 pcs	2"	6 pcs	2"	4 pcs
Sleeve	1 1/4"	2 pcs	1 3/4"	2 pcs	1 3/4"	2 pcs
	1"	2 pcs	1 1/2"	2 pcs	1 1/2"	2 pcs
	3/4"	2 pcs	1 1/4"	2 pcs	1 1/4"	2 pcs
	5/8"	2 pcs	1"	2 pcs	1"	2 pcs
	1/2"	2 pcs	3/4"	2 pcs	3/4"	2 pcs
	3/8"	2 pcs				
Drilling Sleeve	MT#3, #4	1 pc each	MT #3,#4	1 pc each	MT #3,#4	1 pc each

### Optional Accessories

#### Work Holding

- 3 Jaw Hydraulic Chuck .....POR
- 3 Jaw Pneumatic Power Chuck.....POR
- 3 Jaw Manual Chuck.....POR
- 4 Jaw Manual independent Chuck .....POR

#### Steady & Follow Rests

- 10" Steady Rest with Rollers, (Min Cap 1. 1/2" )..\$1,950.
- 16" Steady Rest with Rollers, (Min Cap 7 1/2") ...\$2,300.
- 7" Follow Rest (Min Cap 1.2") .....\$1,050.
- Without Front or Rear Turret .....(less) \$5,000.
- V12 Front Turret with Live Tooling  
(does not include tool holders)  
Includes Spindle Mechanical Orientation  
(5 degree increments , 72 positions) .....\$47,000.

#### 8 Station Vertical Turret

- Boring Bar Sleeve: Dia 3/8" 1/2" 5/8" 3/4" 1" 1 1/4" .. ea. \$130.
- Drill Sleeve MT #3 MT #4 ..... ea. \$210.
- Boring Bar Holder 1 1/2" Diameter ..... ea. \$200.
- Facing Tool Holder ..... ea. \$200.

#### H4/H6 Horizontal Hydraulic Turret

- Boring sleeve Dia 3/4", 1" , 1 1/4", 1 1/2" ..... ea. \$150.
- Drill Sleeve: MT #3 MT #4 ..... ea. \$210.
- I.D. Tool Holder Dia 2 1/2" ,3" ..... ea. \$550.

#### Specification Note:

- The attached specification are subject to change without notice
- Machine Length does not include chip conveyors
- X-axis travel will change according to tool post selection of customer
- Actual specification will change according to purchase configurations of options



## CL58 Series:

### Hollow Spindle CNC Flat Bed Lathe with Fanuc OiTD Controller



CAPACITY:	CL-58A	CL-58B	CL-58C	CL-58C	CL-58C
Swing Over Bed		35-3/8"			
Swing Over Cross Slide		20-7/16"			
Distance Between Centers	80"	120"	160"	200"	240"
Max. Cutting Diameter		20-7/16"			
Width of Bed		22"			
<b>HEAD STOCK:</b>					
Spindle Bore	7.1"	10"		14.5"	
Nose Type	A2-15	A2-15		A2-20	
Spindle Speeds (RPM)	3-1200	3-890		3-890	
Number of Speed Ranges	2	2		2	
Hi/Lo Selection	Auto Shift	Auto Shift		Auto Shift	
<b>SPINDLE MOTOR</b>		30 HP (30 MIN)			
<b>TURRET SELECTION</b>					
Standard		V8 or H4			
<b>TRAVELS</b>					
X-Axis		20-7/16"			
Z-Axis	80"	120"	160"	200"	240"
Rapid Travel X/Z		400 ipm			
<b>SERVO MOTORS</b>					
X-Axis		4 HP			
Z-Axis		5.3 HP			
Ballscrew		(X-Axis ~ 1-7/16", P-6) (Z-Axis ~ 2", P-12)			
<b>POWER REQUIRED</b>					
Voltage		35 KVA			
<b>TAILSTOCK</b>					
Quill Diameter		5-7/8"			
Tailstock Quill Nose		MT #5			
Quill Travel		5-7/8"			
<b>DIMENSIONS &amp; WEIGHT</b>					
Machine Height		78-3/4"			
Machine Width		117"			
Machine Length	204"	244"	284"	324"	374"
Machine Weight (lbs.)	20,300	23,800	25,960	29,100	32,000

### CL-58 Pricing:

#### A Type 7.1" Bore

CL-58 x 2000	35" x 80"	\$190,000.00
CL-58 x 3000	35" x 120"	\$200,000.00
CL-58 x 4000	35" x 160"	\$217,000.00
CL-58 x 5000	35" x 200"	\$241,000.00
CL-58 x 6000	35" x 240"	\$275,000.00

#### B Type 10" Bore

CL-58 x 2000	35" x 80"	\$208,000.00
CL-58 x 3000	35" x 120"	\$218,000.00
CL-58 x 4000	35" x 160"	\$234,000.00
CL-58 x 5000	35" x 200"	\$258,000.00
CL-58 x 6000	35" x 240"	\$292,000.00

#### C Type 14.5" Bore

CL-58 x 2000	35" x 80"	\$245,000.00
CL-58 x 3000	35" x 120"	\$255,000.00
CL-58 x 4000	35" x 160"	\$272,000.00
CL-58 x 5000	35" x 200"	\$296,000.00
CL-58 x 6000	35" x 240"	\$330,000.00

All pricing is F.O.B Rancho Cucamonga, CA.

\*\*All prices and specification subject to change without notice!

## CL-58 Series

### STANDARD ACCESSORIES

- 25 HP (cont.) / 30 HP (30 min), AC Spindle
- Motor (Fanuc), 220V(only), 3 phase, 60 cycle
- FANUC 0iTD Controller with Manual Guide i,
- 10.4" LCD Monitor
- 22" Bed Width
- V8 or H4 Turret
- Rear Chip Conveyor with Chip Cart
- Tail Stock with Built-in Center
- Tailstock Movable by Engaging With Carriage
- Dead Center For Tailstock MT-#5
- Coolant System
- Halogen Light
- Two Chuck Ready Spindle
- Auto Lubrication System
- Moving Door & Splash guard
- Foundation Pads, Leveling Screws
- Tool Box & Tools
- Operating, Electric, Controller & Parts Manual

### STANDARD TOOLING PACKAGES

The following tooling packages are standard according to the Turret configuration of machine. See below for additional tool holder

Turret	V8		H4	
Tool Center Height	1"		1 1/4"	
Facing Tool Holder	1 1/4"	2 pcs		
Boring Bar Holder	1 1/2"	4 pcs	2"	4 pcs
Sleeve	1 1/4"	2 pcs	1 3/4"	2 pcs
	1"	2 pcs	1 1/2"	2 pcs
	3/4"	2 pcs	1 1/4"	2 pcs
	5/8"	2 pcs	1"	2 pcs
	1/2"	2 pcs	3/4"	2 pcs
	3/8"	2 pcs		
Drilling Sleeve	MT#3, #4	1 pc each	MT #3,#4	1 pc each

### Optional Accessories

#### Work Holding

- 3 Jaw Hydraulic Chuck .....POR
- 3 Jaw Pneumatic Power Chuck.....POR
- 3 Jaw Manual Chuck.....POR
- 4 Jaw Manual independent Chuck .....POR

#### Steady & Follow Rests

- 15.7" Steady Rest with two sets of sleeves  
Capacity 1.57" to 9" and 8.7" to 15.7 .....\$8,500.
- 27.6" Steady Rest with two sets of sleeves  
Capacity 13.8" to 20.9" and 20.5" to 28" .....\$9,800.

#### 8 Station Vertical Turret

- Boring Bar Sleeve: Dia 3/8" 1/2" 5/8" 3/4" 1" 1 1/4" ..... ea. \$130.
- Drill Sleeve MT #3 MT #4 ..... ea. \$210.
- Boring Bar Holder 1 1/2" Diameter ..... ea. \$200.
- Facing Tool Holder..... ea. \$200.

#### H4 Horizontal Hydraulic Turret

- Boring sleeve Dia 3/4", 1", 1 1/4", 1 1/2" ..... ea. \$150.
- Drill Sleeve: MT #3 MT #4 ..... ea. \$210.
- I.D. Tool Holder Dia 2 1/2" ,3" ..... ea. \$550.

#### Specification Note:

- The attached specification are subject to change without notice
- Machine Length does not include chip conveyors
- X-axis travel will change according to tool post selection of customer
- Actual specification will change according to purchase configurations of options

## CL68 Series:

Hollow Spindle CNC Flat Bed Lathe with Fanuc 0iTD Controller



CAPACITY:	CL-68A	CL-68B	CL-68C	CL-68 Pricing:
Swing Over Bed		45"		
Swing Over Cross Slide		27-7/8"		
Distance Between Centers	80"	120"	200"	240"
Max. Cutting Diameter		160"		
Width of Bed		35-3/8"		
		28-1/2"		
<b>HEAD STOCK:</b>				
Spindle Bore	7.1"	10"	14.5"	
Nose Type	A2-15	A2-15	A2-20	
Spindle Speeds (RPM)	6-650	6-650	4-500	
Number of Speed Ranges	2	2	2	
Hi/Lo Selection	Auto Shift	Auto Shift	Auto Shift	
<b>SPINDLE MOTOR</b>		50 HP/60 HP (30 MIN)		
<b>TURRET SELECTION</b>				
Standard		V8 or H4		
<b>TRAVELS</b>				
X-Axis		22"		
Z-Axis	80"	120"	200"	240"
Rapid Travel X/Z		236 ipm		
<b>SERVO MOTORS</b>				
X-Axis		5.3 HP		
Z-Axis		8 HP		
Ballscrew		(X-Axis ~ 1-7/16", P-6) (Z-Axis ~ 2-7/16", P-12)		
<b>POWER REQUIRED</b>				
Voltage		100 KVA		
<b>TAILSTOCK</b>				
Quill Diameter		9-7/16"		
Tailstock Quill Nose		A1-8/MT #6		
Quill Travel		7-1/8"		
<b>DIMENSIONS &amp; WEIGHT</b>				
Machine Height		87"		
Machine Width		117"		
Machine Length	306"	346"	386"	426"
Machine Weight (lbs.)	29,300	33,300	37,300	41,600

A Type 7.1" Bore		
CL-68 x 2000	45" x 80"	\$299,000.00
CL-68 x 3000	45" x 120"	\$317,000.00
CL-68 x 4000	45" x 160"	\$338,000.00
CL-68 x 5000	45" x 200"	\$370,000.00
CL-68 x 6000	45" x 240"	\$417,000.00
B Type 10" Bore		
CL-68 x 2000	45" x 80"	\$317,000.00
CL-68 x 3000	45" x 120"	\$335,000.00
CL-68 x 4000	45" x 160"	\$356,000.00
CL-68 x 5000	45" x 200"	\$388,000.00
CL-68 x 6000	45" x 240"	\$435,000.00
C Type 14.5" Bore		
CL-68 x 2000	45" x 80"	\$369,000.00
CL-68 x 3000	45" x 120"	\$387,000.00
CL-68 x 4000	45" x 160"	\$408,000.00
CL-68 x 5000	45" x 200"	\$440,000.00
CL-68 x 6000	45" x 240"	\$486,000.00

All pricing is F.O.B Rancho Cucamonga, CA.



## CL-68 Series STANDARD ACCESSORIES

- 50 HP (cont.) / 60 HP (30 min), AC Spindle
- Motor (Fanuc), 220V(only), 3 phase, 60 cycle
- FANUC 0iTD Controller with Manual Guide i,
- 10.4" LCD Monitor
- 28.5" Bed Width
- V8 or H4 Turret
- Rear Chip Conveyor with Chip Cart
- Tail Stock with Built-in Center
- Tailstock Movable by Engaging With Carriage
- Dead Center For Tailstock
- Coolant System
- Halogen Light
- Two Chuck Ready Spindle
- Auto Lubrication System
- Moving Door & Splash guard
- Foundation Pads, Leveling Screws
- Tool Box & Tools
- Operating, Electric, Controller & Parts Manual

### STANDARD TOOLING PACKAGES

The following tooling packages are standard according to the Turret configuration of machine. See below for additional tool holder

Turret	V8	H4
Tool Center Height	1 1/4"	2"
Wedge	8 sets	
Facing Tool Holder		2 pcs
Boring Bar Holder	2 1/2"	4 pcs
Sleeve	2"	1 pcs
	1 1/2"	1 pc
	1 1/4"	1 pc
	1"	1 pc

### OPTIONAL ACCESSORIES

#### Work Holding

- 3 Jaw Hydraulic Chuck .....POR
- 3 Jaw Pneumatic Power Chuck.....POR
- 3 Jaw Manual Chuck.....POR
- 4 Jaw Manual Independent Chuck.....POR

#### Two Turret Configuration

- H-4 (350) rear turret (v-8 front turret).....\$22,500.

#### Steady Rests

- 15.7" Steady Rest with two sets of sleeves  
Capacity 1.57" to 9" and 8.7 to 15.7.....\$8,500.
- 27.6" Steady Rest with two sets of sleeves  
Capacity 13.8" to 20.9" and 20.5" to 28".....\$9,800.

#### 8 station Vertical Turret

- Boring bar sleeves: Dia 3/8" 1/2" 5/8" 3/4" 1" 1 1/4" .....ea \$130.
- Drill Sleeve Mt #3, MT #4.....ea \$210.
- Boring Bar Holder 1 1/2" Diameter .....ea \$200.
- Facing Tool Holder .....ea \$200.

- Boring Bar Support (not including boring bars.).....\$7,200.
- H-4 Boring Tool Holders 60 mm 63 mm .....ea \$750.
- H-4 Boring Tool Holder 70 mm 80 mm .....ea \$800.

#### Chip Conveyor Front

- 80" .....\$4,600.
- 120" .....\$5,600.
- 160" .....\$6,800.
- 200" .....\$7,300.
- 240" .....\$8,100.

#### Chip Conveyor Rear

- 80" .....\$14,500.
- 120" .....\$16,200.
- 160" .....\$17,500.
- 200" .....\$18,900.
- 240" .....\$21,000.

#### Specification Note:

- The attached specification are subject to change without notice
- Machine Length does not include chip conveyors
- X-axis travel will change according to tool post selection of customer
- Actual specification will change according to purchase configurations of options

# CL78 Series:

Hollow Spindle CNC Flat Bed Lathe with Fanuc 0iTD Controller



CAPACITY:	CL-78A	CL-78B	CL-78C	CL-78C	CL-78C
Swing Over Bed			59"		
Swing Over Cross Slide			35-7/16"		
Distance Between Centers	80"	120"	160"	200"	240"
Max. Cutting Diameter			47-1/4"		
Width of Bed			39-3/8"		
<b>HEAD STOCK:</b>					
Spindle Bore	7.1"	10"		14.5"	
Nose Type	A2-15	A2-15		A2-20	
Spindle Speeds (RPM)	6-650	6-650		4-500	
Number of Speed Ranges	2	2		2	
<b>SPINDLE MOTOR</b>		50 HP/60 HP (30 MIN)			
<b>TURRET SELECTION</b>					
Standard		V8 or H4			
<b>TRAVELS</b>					
X-Axis			26-3/4"		
Z-Axis	80"	120"	160"	200"	240"
Rapid Travel X/Z			236 ipm		
<b>SERVO MOTORS</b>					
X-Axis		5.3 HP			
Z-Axis		8 HP			
Ballscrew		(X-Axis ~ 1-7/16", P-6) (Z-Axis ~ 2-7/16", P-12)			
<b>POWER REQUIRED</b>					
Voltage		100 KVA			
<b>TAILSTOCK</b>					
Quill Diameter		9-7/16"			
Tailstock Quill Nose		A1-8/MT #6			
Quill Travel		7-1/8"			
<b>DIMENSIONS &amp; WEIGHT</b>					
Machine Height		87"			
Machine Width		117"			
Machine Length	306"	346"	386"	426"	466"
Machine Weight (lbs.)	31,500	35,500	39,600	43,750	47,900

## CL-78 Pricing:

### A Type 7.1" Bore

CL-78 x 2000	59" x 80"	\$325,000.00
CL-78 x 3000	59" x 120"	\$343,000.00
CL-78 x 4000	59" x 160"	\$369,000.00
CL-78 x 5000	59" x 200"	\$402,000.00
CL-78 x 6000	59" x 240"	\$452,000.00

### B Type 10" Bore

CL-78 x 2000	59" x 80"	\$343,000.00
CL-78 x 3000	59" x 120"	\$361,000.00
CL-78 x 4000	59" x 160"	\$387,000.00
CL-78 x 5000	59" x 200"	\$420,000.00
CL-78 x 6000	59" x 240"	\$470,000.00

### C Type 14.5" Bore

CL-78 x 2000	59" x 80"	\$395,000.00
CL-78 x 3000	59" x 120"	\$432,000.00
CL-78 x 4000	59" x 160"	\$439,000.00
CL-78 x 5000	59" x 200"	\$472,000.00
CL-78 x 6000	59" x 240"	\$522,000.00

All pricing is F.O.B Rancho Cucamonga, CA.

## CL-78 Series STANDARD ACCESSORIES

- 50 HP (cont.) / 60 HP (30 min), AC Spindle
- Motor (Fanuc), 220V(only), 3 phase, 60 cycle
- FANUC 0iTD Controller with Manual Guide i,
- 10.4" LCD Monitor
- 39 3/8" Bed Width
- V8 or H4 Turret
- Rear Chip Conveyor with Chip Cart
- Tail Stock with Built-in Center
- Tailstock Movable by Engaging With Carriage
- Dead Center For Tailstock
- Coolant System
- Halogen Light
- Two Chuck Ready Spindle
- Auto Lubrication System
- Moving Door & Splash guard
- Foundation Pads, Leveling Screws
- Tool Box & Tools
- Operating, Electric, Controller & Parts Manual

### STANDARD TOOLING PACKAGES

The following tooling packages are standard according to the Turret configuration of machine. See below for additional tool holder

Turret	V8	H4
Tool Center Height	1 1/4"	2"
Wedge	8 sets	
Facing Tool Holder		2 pcs
Boring Bar Holder	2 1/2"	4 pcs
Sleeve	2"	1 pcs
	1 1/2"	1 pc
	1 1/4"	1 pc
	1"	1 pc

### OPTIONAL ACCESSORIES

#### Work Holding

- 3 Jaw Hydraulic Chuck ..... POR
- 3 Jaw Pneumatic Power Chuck ..... POR
- 3 Jaw Manual Chuck ..... POR
- 4 Jaw Manual Independent Chuck ..... POR

#### Two Turret Configuration

- H-4 (350) rear turret (V-8 front turret) ..... \$22,500.

#### Steady Rests:

- Medium load type sleeve with roller jaw (Ø 25 7/16" ~ Ø 33 7/16") ..... \$14,250.
- Heavy Load Type Sleeve with Roller Jaw (Ø 17 7/16" ~ Ø 25 7/16") ..... \$14,250.

#### 8 station Vertical Turret

- Boring bar sleeves: Dia 3/8" 1/2" 5/8" 3/4" 1" 1 1/4" ..... ea \$130.
- Drill Sleeve Mt #3, MT #4 ..... ea \$210.
- Boring Bar Holder 1 1/2" Diameter ..... ea \$200.
- Facing Tool Holder ..... ea \$200.

**Boring Bar Support** (not including boring bars) ..... \$7,200.

- H-4 Boring Tool Holders 60 mm 63 mm ..... ea \$750.
- H-4 Boring Tool Holder 70 mm 80 mm ..... ea \$800.

#### Chip Conveyor Front

- 80" ..... \$4,600.
- 120" ..... \$5,600.
- 160" ..... \$6,800.
- 200" ..... \$7,300.
- 240" ..... \$8,100.

#### Chip Conveyor Rear

- 80" ..... \$14,500.
- 120" ..... \$16,200.
- 160" ..... \$17,500.
- 200" ..... \$18,900.
- 240" ..... \$21,000.

#### Specification Note:

- The attached specification are subject to change without notice
- Machine Length does not include chip conveyors
- X-axis travel will change according to tool post selection of customer
- Actual specification will change according to purchase configurations of options





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