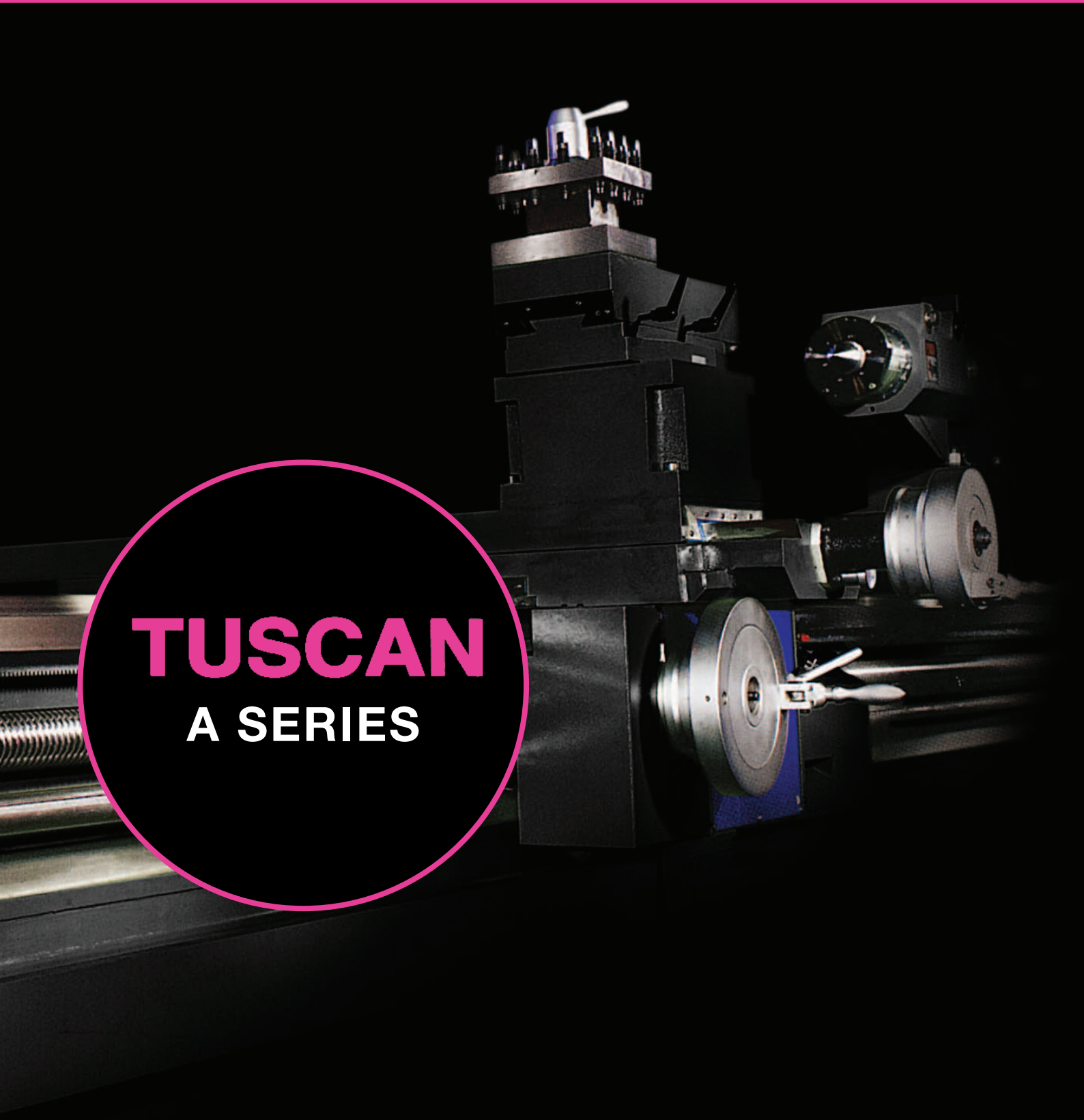




Axe & Status

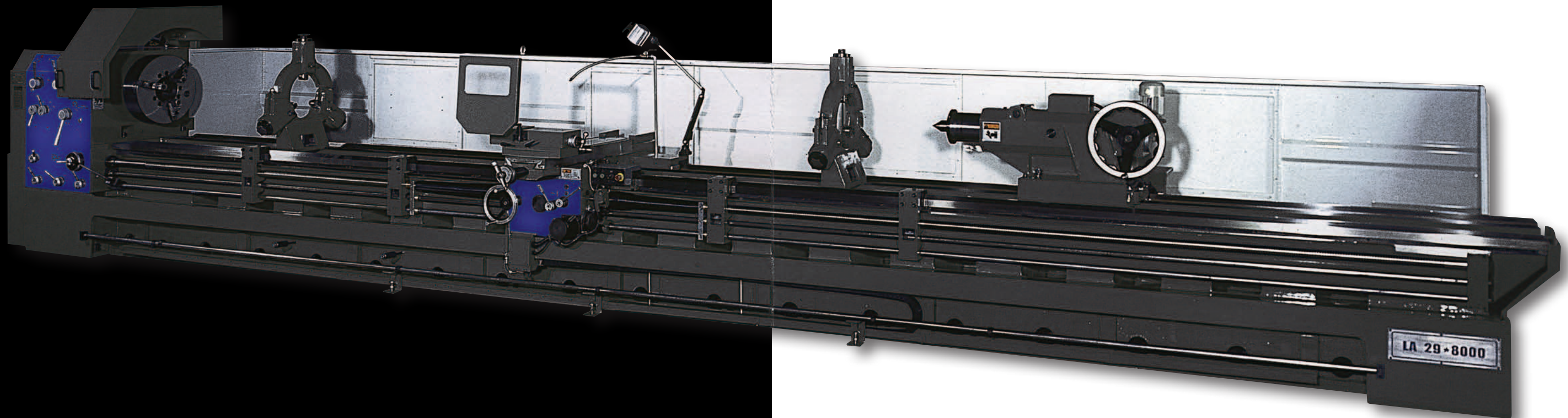
Heavy Duty Manual Lathe



TUSCAN
A SERIES

A Series Heavy Duty Manual Lathe

Our heavy-duty lathes are developed to furnish optimum performance required by a wide range of industries, including the general machining industry, mining industry, shafts, pattern and roller manufacturing, power utilities, as well as the petroleum industry. All the machines have been designed to meet the strictest requirements of our customers and have obtained a distinguished reputation around the world. In addition to the best quality lathes, we possess innovative R&D teams, experienced staff, as well as a complete after-sales service system. We hold the belief to provide the most precise, innovative and quality-assured lathes for our esteemed customers and regard the belief to be our ultimate goal.



TUSCAN

A SERIES

A Series 42 X 3000, Spindle bore 305mm (12")

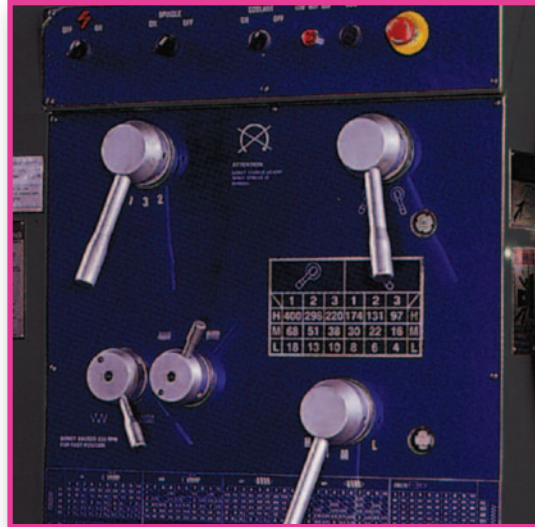
- Super rigid for heavy cutting design.
- One piece meehanite casting.
- Bed width 610mm, with double V ways.
- Friendly operation.
- Big bore loading capacity.
- Between centres 1500-7000mm.

Heavy Duty Manual Lathe



*“Let our outstanding
experience work for you”*

Features

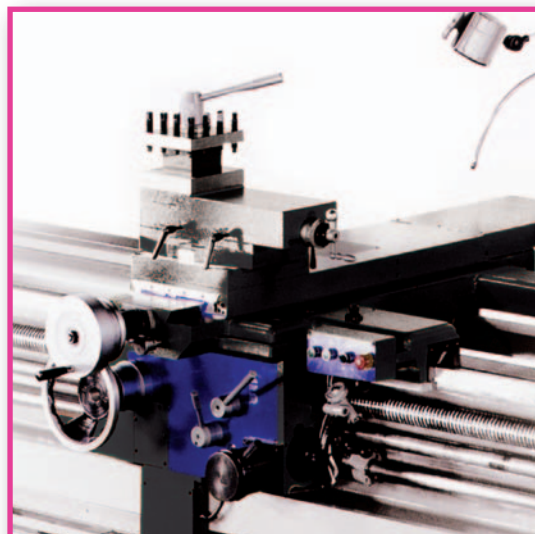
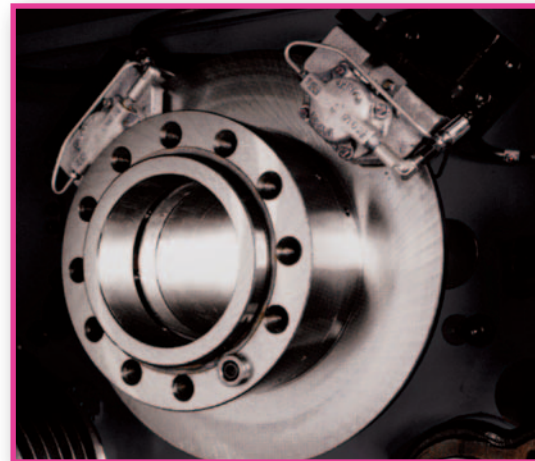


Headstock and Operational Panel

- Rigid one piece casting design for heavy cutting.
- Gears and spline shafts are hardened and ground.
- Spindle is supported by high precision taper roller bearings.
- Electro-magnetic brake.
- 18-step speeded provide high torque and excellent cutting conditions.

Hydraulic Disk Brake

- 2 sets of hydraulic brake units, to stop spindle quickly.
- To eliminate the inertia of heavy work piece, extend the life of gears in headstock.

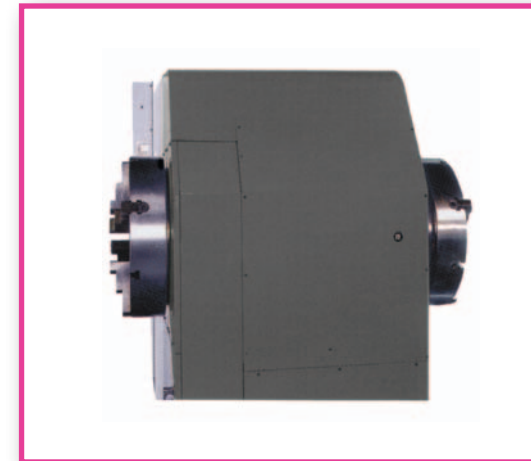
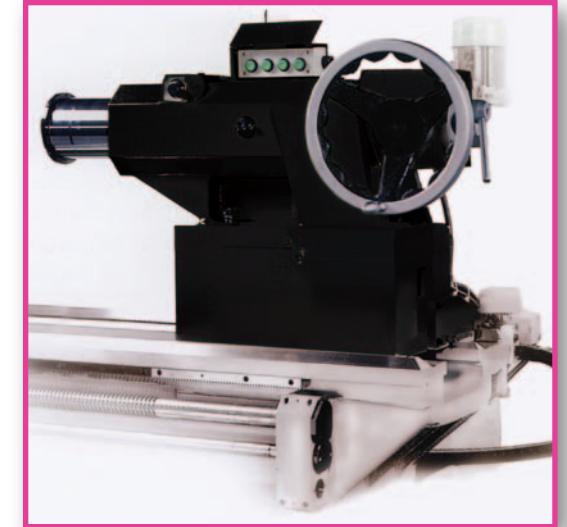


Apron and Carriage

- The cross slide uses a ballscrew.
- Rapid traverse is included.
- Friction is reduced because the cross slide and carriage are covered with Turcite B.
- The bed way and cross slide have an automatic lubrication system.
- Exceptional durability is assured as the gears in the apron are nitrite treated.
- Digital readout is available.

Tailstock

- Quill diameter: 165 mm: provides excellent support for heavy workpieces.
- Quill Movement Type:
 - a. Manual: controlled by the hand wheel.
 - b. Electric and Manual: Switch by lever easily.
- Body Movement:
 - a. Manually by crank.
 - b. Motorized by reduction motor.



Double Chucks (opt.)

- Long workpiece turning stability is achieved by utilising a second chuck at the rear of the spindle.

Bed

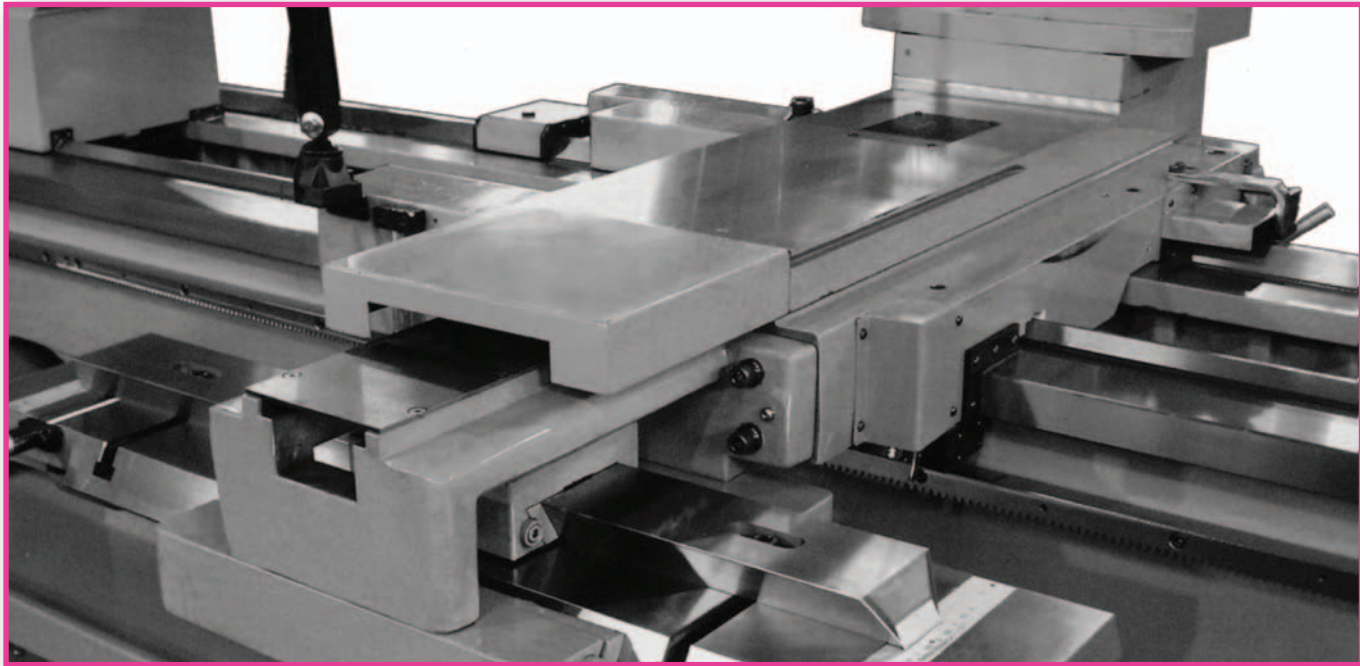
- "Single piece MEENHANITE" cast-iron, thorough stress relieving.
- Induction heating treated to HRC 52-54.
- Precisely ground for excellent accuracy.

Gear Box

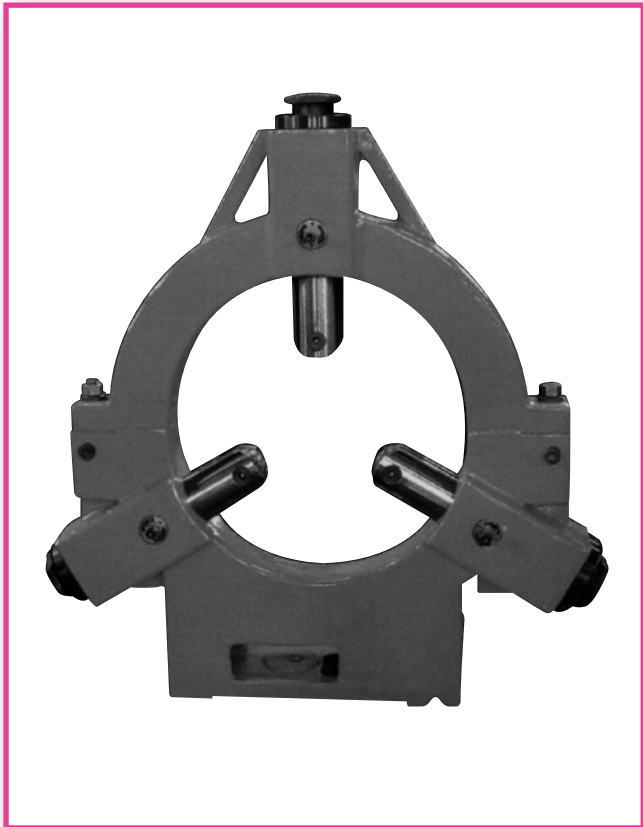
- All shafts and gears are hardened and ground to HRC 45.
- The universal gear and box are protected by lubrication and a built-in safety device.
- By simply changing the levers, a wide range of feeds and threads can be easily changed.

Accessories

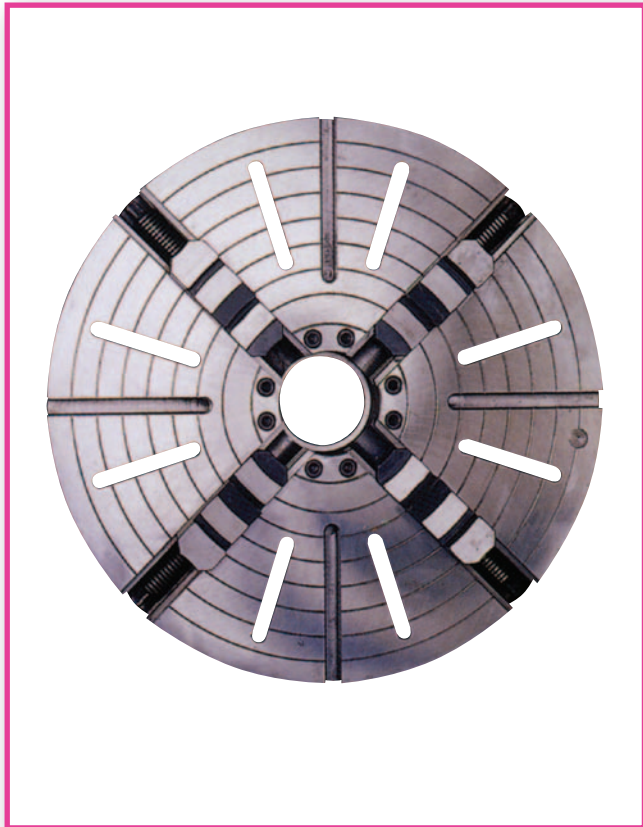
Taper Attachment



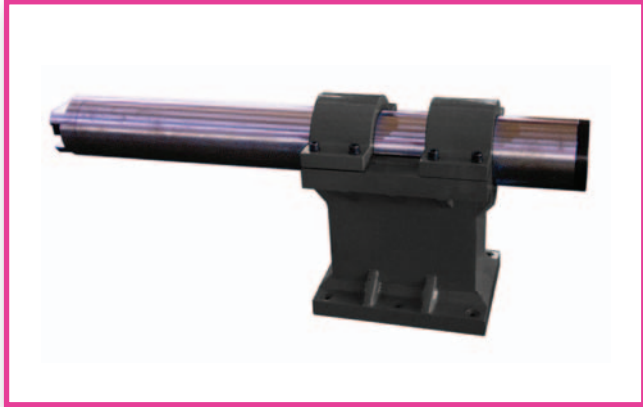
Steady Rest with 3-Roller Jaws



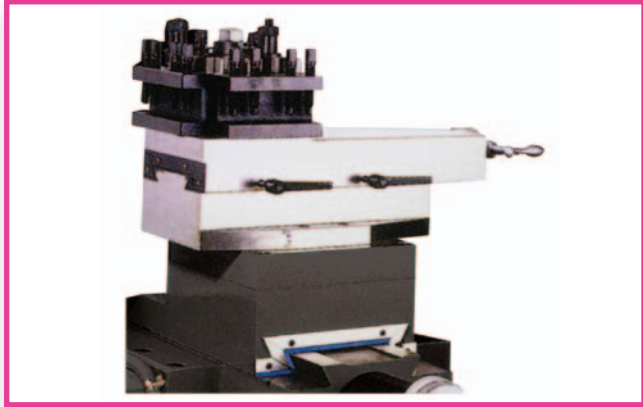
American 4-Jaw Chuck



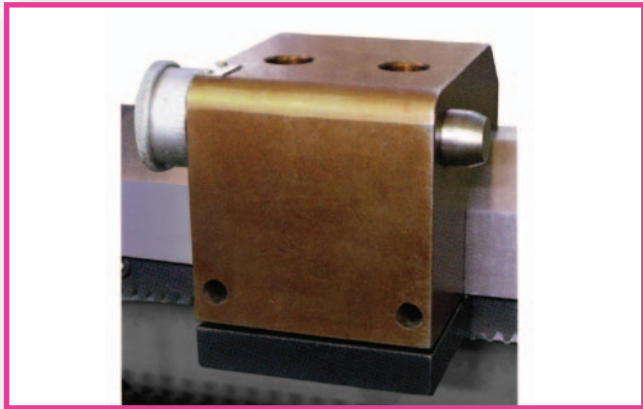
Boring Attachment



Quick Change Tool Post



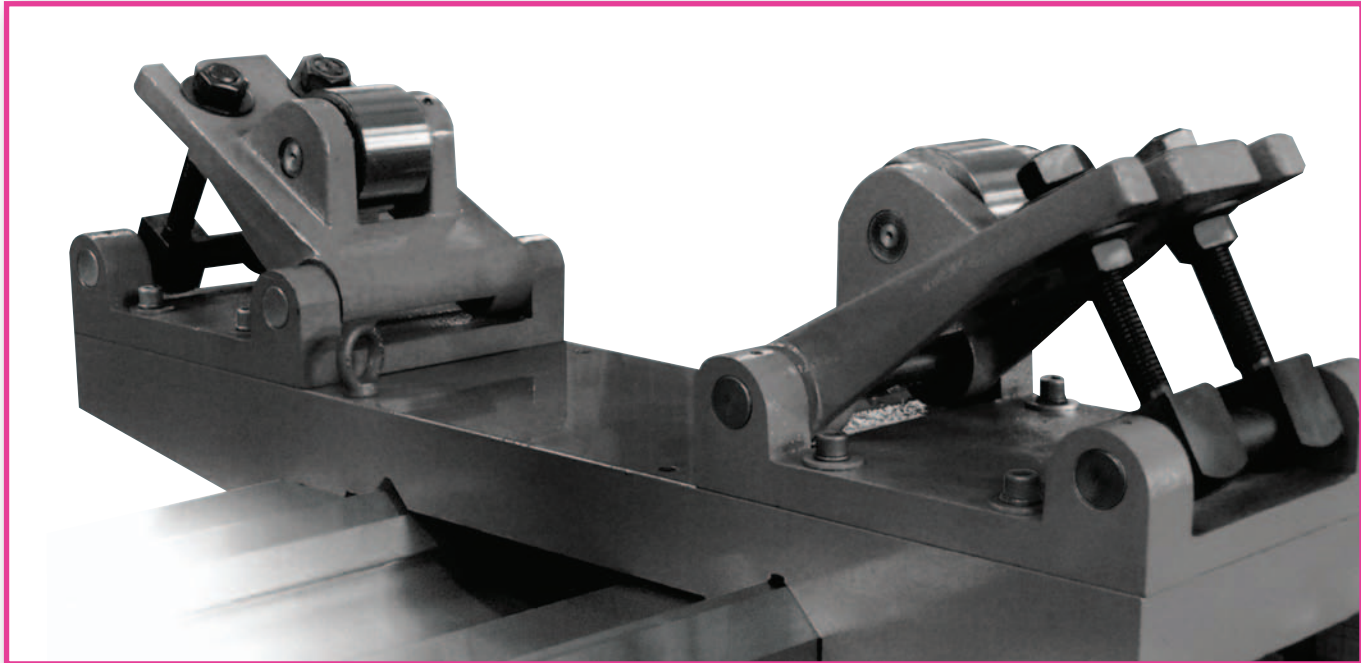
Micro Stop



Follow Rest



Roller Bracket

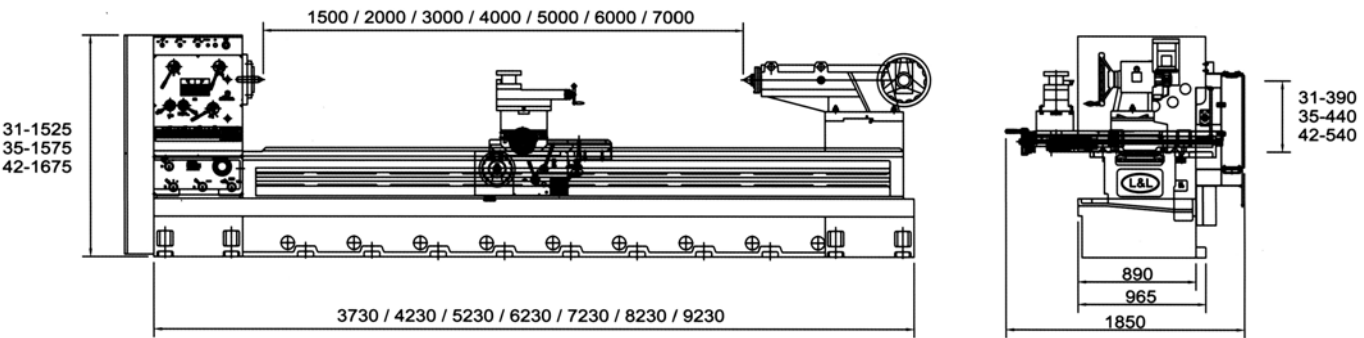


Specifications

Model	A31		A35	A42
Swing over bed	Bed	800mm	900mm	1100mm
	Cross slide	450mm	550mm	750mm
	Gap	1050mm	1150mm	1350mm
	Centre	390mm	440mm	540mm
Bed Width	610mm			
Bed Way for Carriage	2 V ways			
Bed Way for Tailstock	1 V way and 1 flat way			
Bed Way for steady rest	1 V way and 1 flat way			
Between centres	1500 / 2000 / 3000 / 4000 mm with gap			
	5000 / 6000 / 7000 mm without gap			
Headstock:				
Spindle Bore	105mm	153mm	230mm	305mm
	ASA-A2-8	ASA-A2-11	ASA-A2-15	ASA-A2-20
	10-1200 rpm	7~700 rpm	7~600 rpm	5~450 rpm
Spindle Centre	105mm, 153mm - MT#5 / 230mm, 305mm - MT#6			
Spindle motor	30HP			
Tailstock:				
Quill Diameter	165mm			
Quill Stroke	200mm			
Tailstock Centre	MT#6			
Body Movement	Motorised			
Quill Movement	STD: Handwheel / OPT: Electrical			
Feed:				
Threading	Inch: 30~0.25TPI (70 sets) / Metric: 1~120mm (62 sets)			
	DP: 1~120mm (80 sets) / MP: 30~0.25TPI (53 sets)			
X-Axis Rapid Traverse	1500mm/min			
X-Axis Feed	0.0016”~0.048”IPR / 0.04mm~1.2mm mpr			
X-Axis Stroke	600mm			
Z-Axis Rapid Traverse	3000mm/min			
Z-Axis Feed	0.0032”~0.096”IPR / 0.08mm~2.4mm mpr			
Z-Axis Stroke	1500 / 2000 / 3000 / 4000 / 5000 / 6000 / 7000			
Compound Slide Stroke	300mm			

Remark: 1. 305mm spindle bore is only available for A35 and A42.
2. If option “taper attachment”, Z-axis stroke will be deminished.
3. Specification subject to change without prior notice.

Dimension Drawings:



Machine Dimensions and Weight

A series	Between centres	1500	2000	3000	4000
A31	LxWxH (mm)	3730x1850x1525	4230x1850x1525	5230x1850x1525	6230x1850x1525
	N.W/G.W (kg)	5800 / 6800	6800 / 7800	8300 / 9500	9800 / 11200
A35	LxWxH (mm)	3730x1850x1575	4230x1850x1575	5230x1850x1575	6230x1850x1575
	N.W/G.W (kg)	6300 / 7300	7300 / 8300	8800 / 10000	10300 / 11700
A42	LxWxH (mm)	3730x1850x1675	4230x1850x1675	5230x1850x1675	6230x1850x1675
	N.W/G.W (kg)	6800 / 7800	7800 / 8800	8300 / 10500	10800 / 12200

A series	Between centres	5000	6000	7000
A31	LxWxH (mm)	7230x1850x1525	8230x1850x1525	9230x1850x1525
	N.W/G.W (kg)	11300 / 12800	12800 / 14400	14300 / 16100
A35	LxWxH (mm)	7230x1850x1575	8230x1850x1575	9230x1850x1575
	N.W/G.W (kg)	11500 / 13300	13300 / 14900	14800 / 16600
A42	LxWxH (mm)	7230x1850x1675	8230x1850x1675	9230x1850x1675
	N.W/G.W (kg)	12000 / 13800	13800 / 15400	15300 / 17100



Axe & Status

Unit 2, Saxon Park, Bond Avenue
Bletchley, Milton Keynes MK1 1QU UK
Tel: 44 (01908) 647707
Fax: 44 (01908) 648087
Email: sales@axestatus.com
Web: www.axestatus.com

