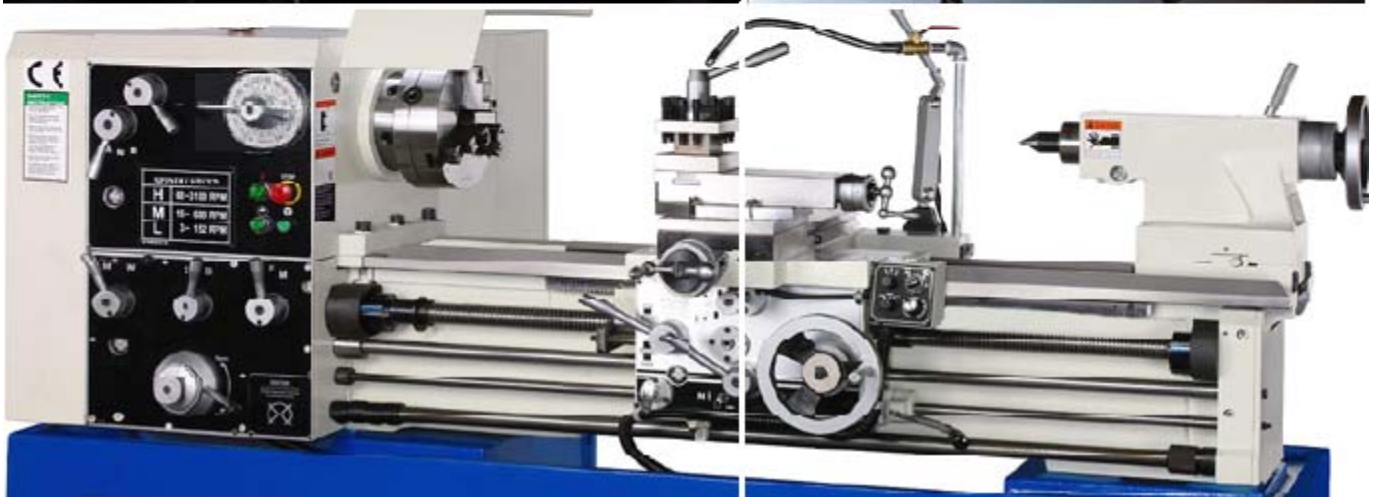
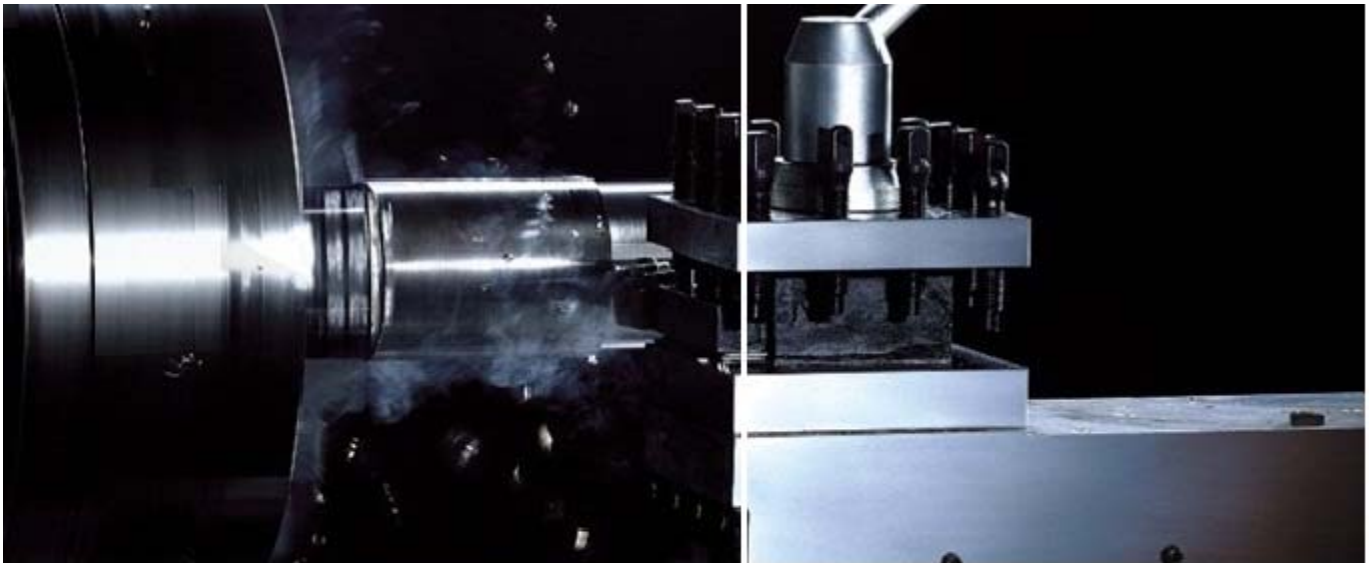




*High Speed Precision Lathes*

***Large capacity, Powerful, Universal & Precision***

ATRUMP 18", 21" and 25" Series Lathes have just the right amount of engineering to afford simplicity of operation, coupled with plain and simple rugged reliability. In addition, built in safety features with the safety interlock eliminating the simultaneous engagement of the feed and threading motion, place these machines in a field of their own - unparalleled in performance.



**Precision & Heavy Duty Machining**

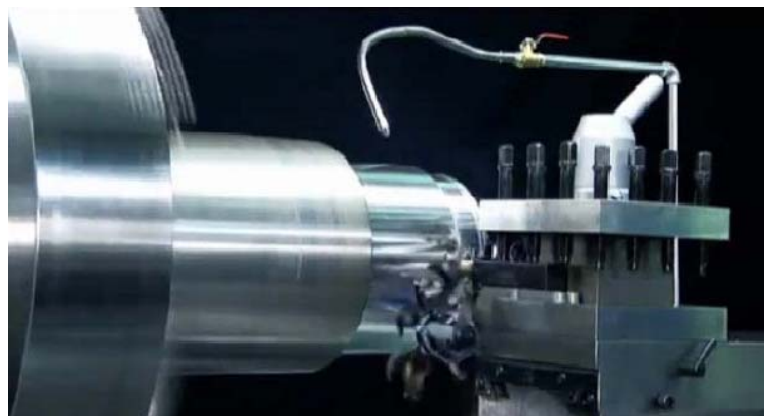






## **Standard Features:**

- Rigid construction bed is induction hardened over HRC50 and with precision ground.
- 18 speed 25-1550 rpm
- Headstock Gears and spline shafts are hardened and ground for high speed running at low noise
- D1-8 Camlock spindle nose, Ø85 mm spindle bore
- Spindle supported at precision taper roller bearings
- 10 HP 3Ø main motor 220V /380V
- Apron lead screw/feed rod reverse
- Turcite-B carriage and cross slide ways
- Low voltage controls
- Shot system to carriage, X slide & screw
- Double independent control of longitudinal and cross feeds.
- Universal gearbox design allows easy selection of inch and metric threading
- Full length foot brake & splash guard
- One piece stand





## HEADSTOCK



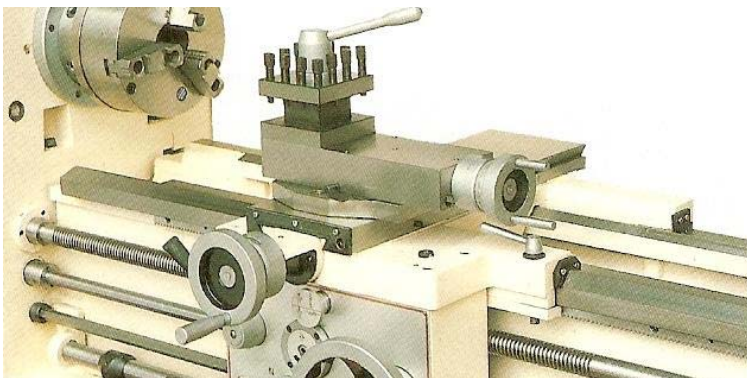
- Heavy duty geared head with forged alloy steel spindle mounted on three taper roller bearings - using two taper adjustable roller bearings and one straight roller bearing.
- All gears and shafts are hardened and ground supported by bearings

## MAIN SPINDLE



- The Spindle with forged alloy steel spindle mounted on three taper roller bearings - using two taper adjustable roller bearings and one straight roller bearing.

## CARRIAGE & APRON:



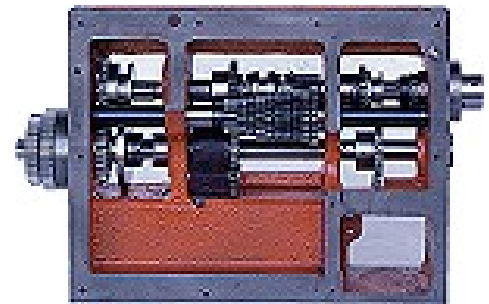
- Wide, full-length cross slide externally dove-tailed for quick and easy mounting
- Turcite Anti-Friction Material Under the Cross Slide Ways

## BED & BEDWAYS:



- Wide bed and box constructed, bed ways are high frequency heat treated, precision ground which can be avoided vibration and tool chattering during made heavy duty processing

## UNIVERSAL GEAR BOX



- A wide range of both Inch /metric threads without changing any end train gears turn on anti-friction bearings-mechanism runs in oil bath.
- Separate rod for power feeds – lead screw is used for thread cutting only.

## TAILSTOCK:



A heavy-duty casting design for maximum rigidity to support work pieces or tooling. With MT #5 taper,

## Specifications

Series model	KC-1800 Series		KC-2100 Series				KC-2500 Series		
Model No	KC-1840	KL-1860	KC-2140	KC-2160	KC-2180	KC-21120	KC-2560	KC-2580	KC-25120
<b>CAPACITY</b>									
Height of centers	225 mm		270 mm				315 mm		
Swing over bed	460 mm		540 mm				630 mm		
Swing over cross slide	280 mm		360 mm				450 mm		
Swing in gap	650 mm		720 mm				810 mm		
Distance between center	1000 mm	1500 mm	1500mm	1000 mm	1500 mm	2000 mm	1500 mm	2000 mm	3000 mm
Width of bed	350 mm (14")								
<b>SADDLE</b>									
Longitudinal travel (Z)	1000 mm	1500 mm	1000 mm	1500mm	2000mm	1500mm	2000mm	3000 mm	
Cross slide travel (X)	220 mm		330 mm				330mm		
Compound rest travel	120 mm		150 mm				150 mm		
<b>HEADSTOCK</b>									
Spindle Nose	D1-6		ISO D1-8, D1-11 (Opt.)				ISO D1-8 (Std.), D1-11 (Opt.)		
Spindle bored (std)	Ø56 mm		Ø85 mm				Ø85 mm		
Spindle bored (opt)	-----		Ø105 mm				Ø105 mm or Ø150 mm		
Taper of S/Nose & center	MT No.6 x No.4 for D1-6, MT No.7 x No.5 for D1-8						MT No.7 x No.5		
Spindle speeds	40-3100 rpm	25-1550 rpm (Ø85mm), 23-1300 rpm (Ø105mm), 15- 830 rpm (Ø155 mm)							
<b>TAILSTOCK</b>									
Tailstock quill travel	150 mm						170 mm		
Tailstock quill diameter	52 mm		68 mm				75 mm		
Tailstock quill taper	No.5 MT		No.5 MT				NO.5 MT		
<b>Bed</b>									
Bed width	350 mm								
<b>THREADING</b>									
Lead screw	4 TPI or 6 mm/pitch								
Metric pitch threads	0.5 – 7 mm/pitch (24 kinds)								
Inch pitch threads	4 – 56 TPI (36kinds)								
Module pitch threads	0.25 – 3.5 M (16kinds)								
DP threads	8 – 112 P (36 kinds)								
<b>Feeding Range</b>									
Range of longitudinal feeds	0.06 – 0.88 mm/rev.								
Range of cross feeds	0.03 – 0.44 mm/rev.								
<b>MOTOR</b>									
Spindle drive motor (AC)	7.5 HP			10 HP			10 HP: Std. (15 HP: Opt.)		
Coolant pump	1/8 HP								
Approx. Machine weight (kg)	2000	2500	2800	3300	3600	2950	3500	3750	

● Specifications are subject to change without notice

## PLEASE GIVE THE FOLLOWING INFORMATION ON WHEN PLACING ORDERS:

- Metric or inch system on leadscrew and dials graduation
- Left-handed or right-handed on apron
- Electrical power source specification
- Gap bed or straight bed

### Standard Equipment:

- Low voltage controls
- Coolant system + One-Shot Lubrication
- Motor and electrics controls system
- One backplate for 3-jaw chuck
- 4-way toolpost
- Threads indicator
- Feed rod overload clutch
- Centers & center sleeve
- Splash Guard
- Halogen lamp
- Foot Brake
- Leveling blocks
- Service tools & toolbox
- Instruction & parts manual

### Optional Equipment:

- 3-jaw Scroll chuck 10" or 12"
- 4-jaw independent chuck 16"
- VS model for full series
- Micro Carriage Stop
- 4-Position Bed Stop
- Live Center, MT #5
- Face plate
- Q.C. Tool Post with 4 straight holders
- Taper Attachment
- Chuck guard
- Work Lamp
- Steady Rest
- Follow Rest
- CE Electrical system



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