

SUMMIT
MACHINE TOOL LLC



BIG SWING LATHES

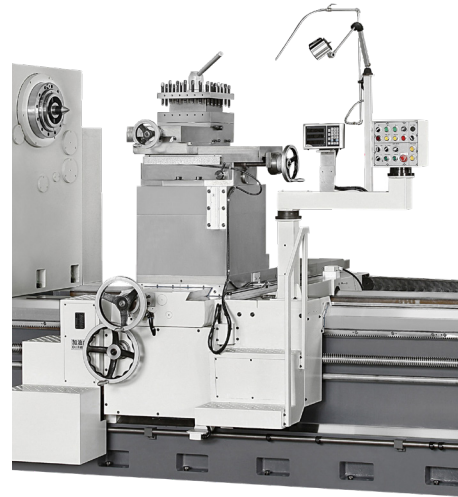
70", 80", 100" SWINGS

BIG SWING LATHES

Designed to provide the precision and rugged reliability required for today's demanding applications, we are proud to offer the newly redesigned Summit® 70", 80", 100" Series Big Swing Hollow Spindle Lathes.

The "Big Swing" lathes are available in center distances from 80" to 360" with a 9" spindle bore to cover a wide range of work pieces and feature castings that are heavily ribbed for rigidity and vibration dampening. The headstock is designed with straight cut final drive gears to provide quiet and efficient operation through the full range of spindle speeds. The extra wide (52.9") bed ways are hardened and precision ground to provide high accuracy and long life and the bed is constructed from high-grade alloyed cast iron, normalized and aged to achieve maximum stability.

The Big Swing Hollow Spindle Lathes come equipped with a steady rest, follow rest, coolant system, 4 jaw chuck, and hardened and precision ground bedways.



Heavy Duty Carriage shown with optional digital readout





INCLUDED ACCESSORIES

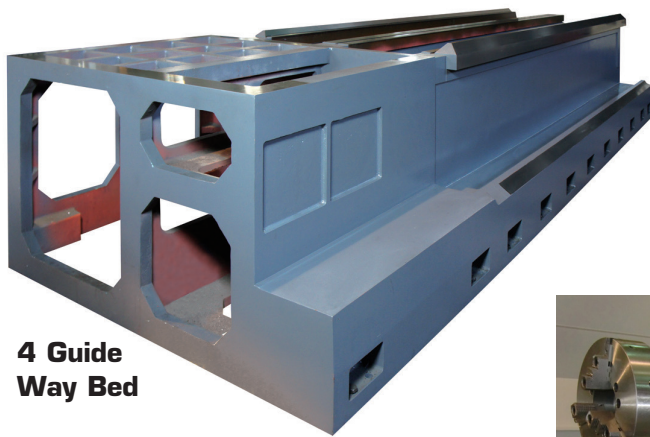
- Steady rest
- Follow rest
- Full length splash guard (up to 240")
- Chuck guards
- Halogen work light
- Coolant system
- Thread dial
- 4 Jaw Chuck

STANDARD FEATURES

- Quick change gear box will cut inch and metric threads
- Hardened & precision ground extra wide bed ways
- 6 way rapid traverse
- Two speed tailstock
- Easy access control station
- Infinitely variable spindle

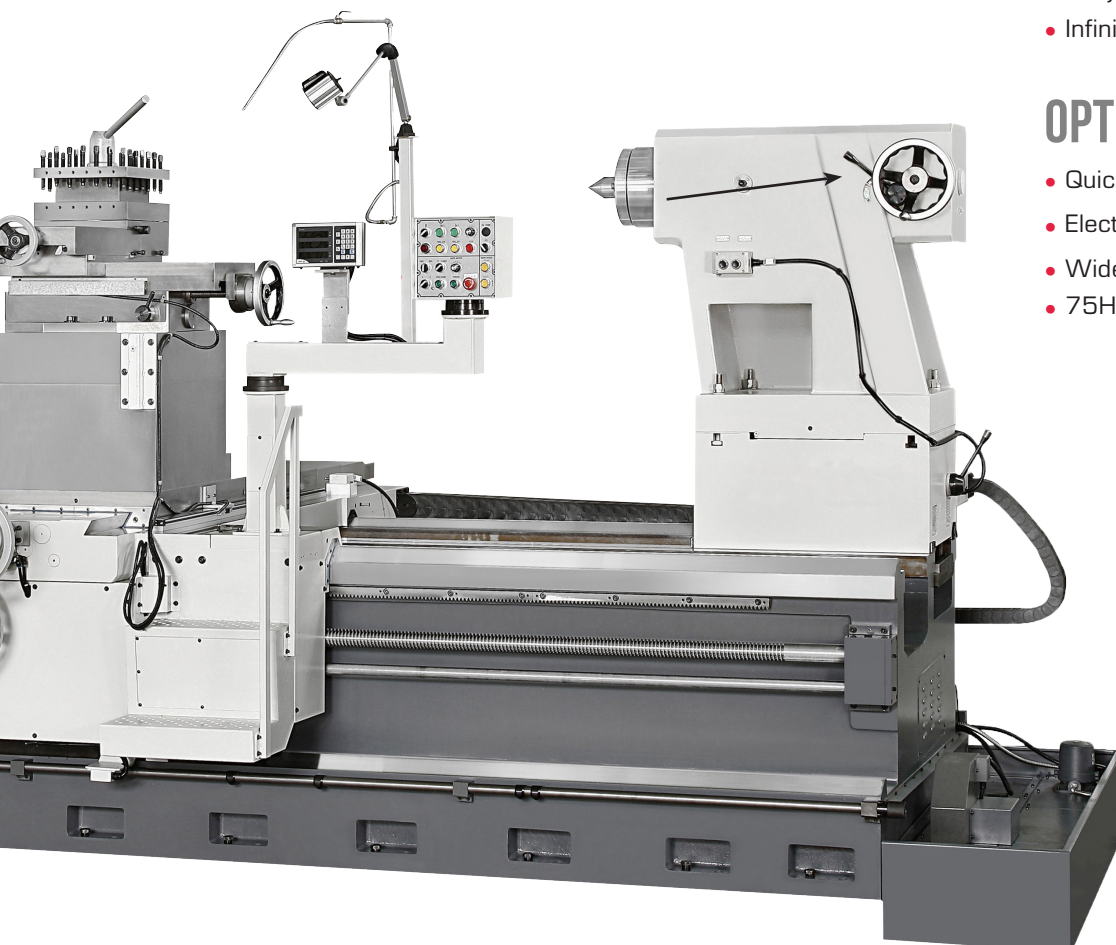
OPTIONS

- Quick change tool post with holders
- Electronic digital readouts
- Wide range of workholding devices
- 75HP main motor



**4 Guide
Way Bed**

**Motorized
Tailstock
with Live
Spindle
(chuck not
included)**



DIMENSIONS AND SPECIFICATIONS

BIG SWING LATHES 70", 80" & 100"



SPECIFICATIONS	70"	80"	100"
CAPACITIES	Inch/Metric	Inch/Metric	Inch/Metric
Swing over bed	70.8" / 1800mm	78.7" / 2000mm	98.4" / 2500mm
Swing over cross slide	53.1" / 1350mm	61" / 1550mm	80.7" / 2050mm
WORKPIECE WEIGHTS			
Between centers		77,000 lbs. / 35,000 kg	
HEADSTOCK			
Spindle bore		9" / 230mm	
Spindle nose		A2-15	
Spindle speeds: number		4	
Spindle speeds: range	6 - 400		Infinitely variable
CARRIAGE			
Cross slide travel (full length)		49.2" / 1250 mm	
Cross slide travel (half length)		20" / 510mm	
Compound travel (X1)		9.8" / 250mm	
Compound travel (Z1)		52.9" / 1345mm	
GEARBOX			
Longitudinal feeds: (no.) range		(48) .005 - .075 IPR	
Cross feeds: (no.) range		(48) .0025 - .0378 IPR	
Threads per inch: (no.) range		(48) 1 - 15 TPI	
Metric threads: (no.) range		(48) 2 - 30 mm/pitch	
Lead screw		2.4" / 60mm	
TAILSTOCK			
Quill diameter		11.4" / 290mm Rotary Quill	
Quill travel		11.8" / 300mm	
Quill taper		MT #7	
MISCHELLANEOUS			
Main motor power		60 HP (75 HP Optional)	
DIMENSIONS & WEIGHTS (LxWxH)			
80" centers	200" x 96" x 106" / 51,700 lbs.	200" x 96" x 112" / 53,900 lbs.	200" x 96" x 118" / 52,200 lbs.
120" centers	240" x 96" x 106" / 61,600 lbs.	240" x 96" x 112" / 63,800 lbs.	240" x 96" x 118" / 67,100 lbs.
160" centers	280" x 96" x 106" / 71,500 lbs.	280" x 96" x 112" / 73,700 lbs.	280" x 96" x 118" / 77,000 lbs.
200" centers	320" x 96" x 106" / 81,400 lbs.	320" x 96" x 112" / 83,600 lbs.	320" x 96" x 118" / 86,900 lbs.
240" centers	360" x 96" x 106" / 91,300 lbs.	360" x 96" x 112" / 93,500 lbs.	360" x 96" x 118" / 96,800 lbs.
280" centers	400" x 96" x 106" / 101,200 lbs.	400" x 96" x 112" / 103,400 lbs.	400" x 96" x 118" / 106,700 lbs.
320" centers	440" x 96" x 106" / 111,100 lbs.	440" x 96" x 112" / 113,300 lbs.	440" x 96" x 118" / 116,600 lbs.
360" centers	480" x 96" x 106" / 121,000 lbs.	480" x 96" x 112" / 123,200 lbs.	480" x 96" x 118" / 126,500 lbs.

WARRANTY: A copy of Summit Machine Tool LLC's standard written warranty is attached to each Summit Machine. Call or write to Summit for a copy or for further information concerning Summit's standard warranty. All purchases are subject to Summit's standard written warranty. Specifications are subject to change without notice.

POINT OF OPERATION GUARDING is the responsibility of the end user. For information contact your local OSHA office.

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FOR MORE INFORMATION CALL 1-800-654-3262

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