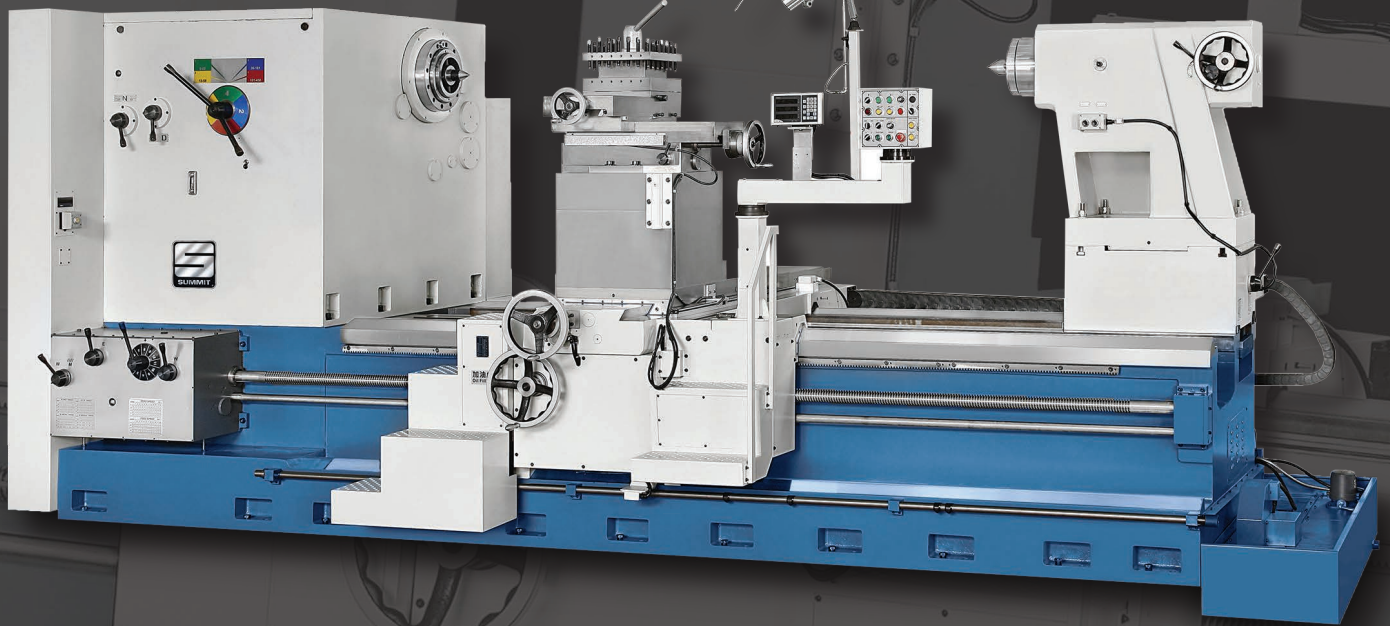


SUMMIT
MACHINE TOOL LLC



BIG SWING LATHES

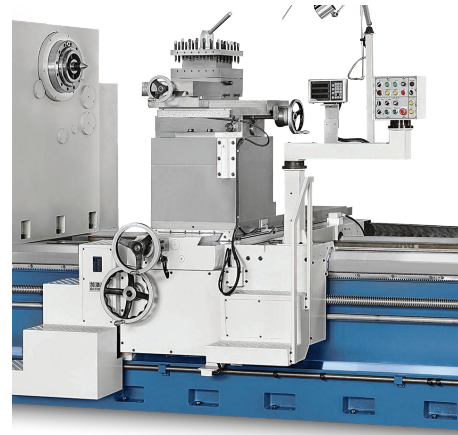
70", 80", 100" SWINGS

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 an 8" 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.

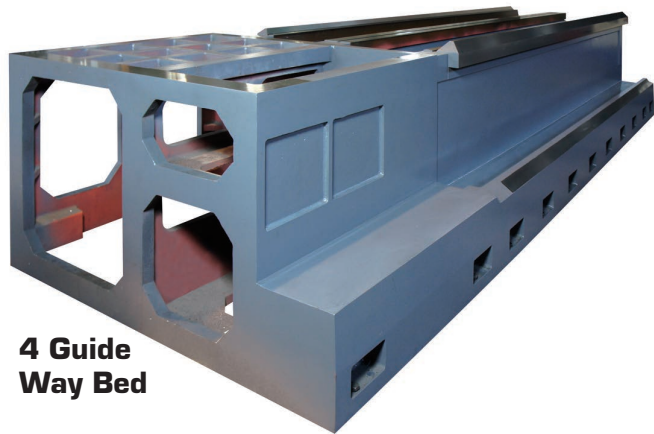
The Big Swing Hollow Spindle Lathes come equipped with a steady rest, follow rest, coolant system, 4 jaw chuck, and hardened and precision ground bedways.



Heavy Duty Carriage shown with optional digital readout

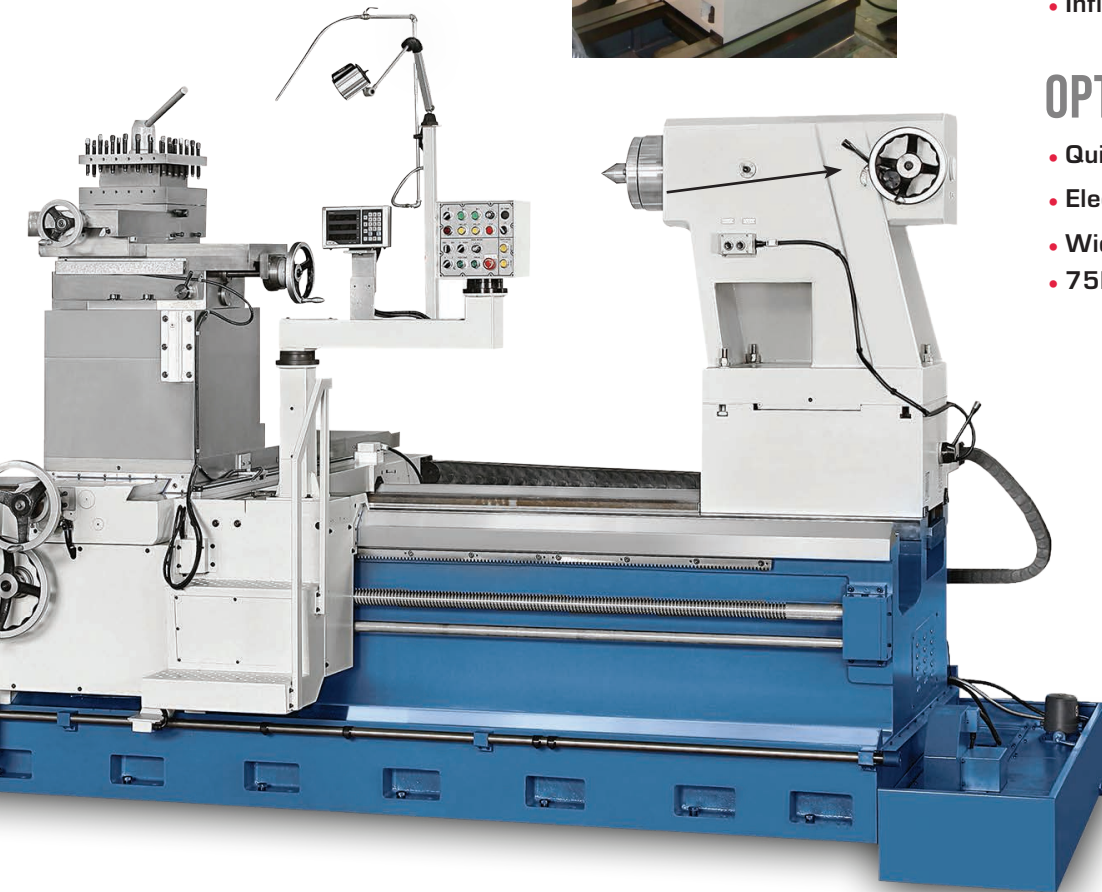


70", 80" & 100" SWINGS



**4 Guide
Way Bed**

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



INCLUDED ACCESSORIES

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

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

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		
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HEADSTOCK

Spindle bore	8" / 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)		
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DIMENSIONS & WEIGHTS (LxWxH)

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.

06/2021

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FOR MORE INFORMATION CALL 1-800-654-3262

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