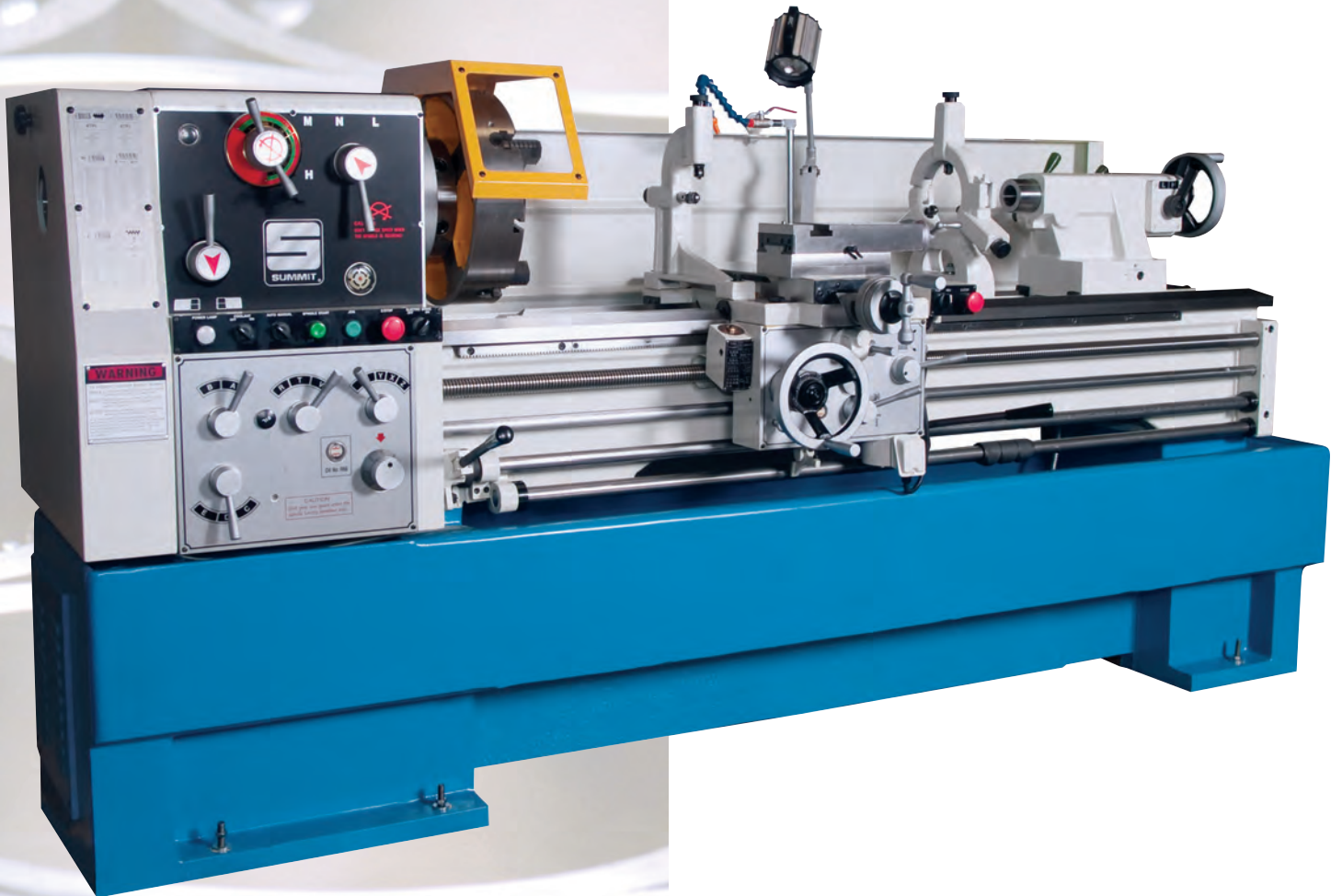


Summit Machine  
Tool Manufacturing  
Corporation



**18" & 20"  
Precision  
Metal  
Lathes**

# 18-3 x 20-4 Precision Metal Lathe



SPECIFICATIONS	18-3	20-4
<b>CAPACITIES</b>		
Swing over bed	18 1/4"	20"
Swing over cross slide	11 1/4"	13 1/4"
Swing in gap	28"	30"
Length of gap	4 1/4"	4 1/4"
<b>HEADSTOCK</b>		
Spindle bore	3 1/8"	4"
Spindle speeds - number	12	12
Spindle speeds - range	32 - 1500 RPM	32 - 1500 RPM
Spindle nose	D1 - 8	D1 - 8
<b>FEEDS &amp; THREADS</b>		
Threads per inch - number/range	45 / 2 - 72 TPI	45 / 2 - 72 TPI
Metric threads - number/range	42 / .2 - 14	42 / .2 - 14
Longitudinal feeds - number/range	32 / .002" - .0400" IPR	32 / .002" - .0400" IPR
Cross feeds - number/range	32 / .001" - .0200" IPR	32 / .001" - .0200" IPR
Leadscrew - diameter/range	1 3/8" 4 TPI	1 3/8" 4 TPI
<b>CARRIAGE &amp; APRON</b>		
Cross slide travel	11 1/2"	11 1/2"
Compound travel	5"	5"
<b>TAPER ATTACHMENT</b>		
Degrees of taper	+/- 10 degrees	+/- 10 degrees
Length of taper per setting	16"	16"
<b>BED</b>		
Width of bed	13"	13"
Bed way hardness (Rockwell C)	44 - 50	44 - 50
<b>TAILSTOCK</b>		
Travel of spindle barrel	6"	6"
Diameter of spindle barrel	3"	3"
Taper of center	#5 MT	#5 MT
<b>MOTORS</b>		
Spindle motor	10 HP	10 HP
Coolant pump	1/8 HP	1/8 HP
<b>SHIPPING DATA</b>		
Width x Height	44" x 63"	44" x 64"
Length/Weight - 40"	94"/4730 lbs.	94"/4930 lbs.
Length/Weight - 60"	114"/5390 lbs.	114"/5590 lbs.
Length/Weight - 80"	134"/6600 lbs.	134"/6800 lbs.



## INCLUDED ACCESSORIES

- 3 jaw chuck
- 4 jaw chuck
- Steady rest
- Follow rest
- Full length splash guard
- Halogen work light
- Taper attachment
- Coolant system
- Thread dial
- 4 position carriage stop

## STANDARD FEATURES

- Inch and metric threading
- Hardened & precision ground bed ways
- Removable gap
- T-slotted compound
- All cast iron construction
- Clutched headstock
- Dual voltage - 220/440 volt / 3 phase / 60 Hz
- Two speed tailstock
- Four way rapid traverse

FOR MORE INFORMATION CALL  
**1-800-654-3262**



WARRANTY: A copy of Summit Machine Tool Manufacturing Corp.'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.

## Summit Machine Tool Manufacturing Corp.

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A Subsidiary of LSB Industries, Inc.  
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