

SUMMIT
MACHINE TOOL
MANUFACTURING



M40	NEUTRAL
M41	5 - 25 RPM
M42	26 - 60 RPM
M43	61 - 170 RPM
M44	171 - 600 RPM

SMARTCUT
BIG HOLE CNC LATHES

This manual lathe cuts and performs like a CNC but is priced thousands less than Full CNC lathes.

The **Summit** SmartCut II is a new series of combination lathes available from Summit. The SmartCut is everything you would expect, rugged and dependable, with the precision needed for the finest finishes.

It combines CNC controls with hand wheels for manual turning providing maximum convenience and economy.

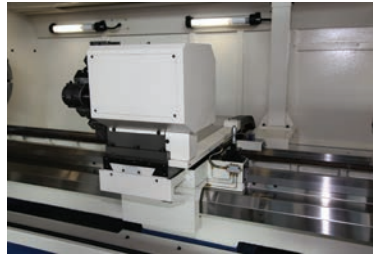
SmartCut II incorporates a self-teaching controller. You can produce a part manually, and with a few simple key strokes the controller stores the machining sequences and creates a part program, enter the number of parts to be produced, and the SmartCut II does the rest.

SmartCut II was designed for growing companies evolving from manual lathe operations to CNC. The control language is conversational with on screen menus and prompts to make programming virtually foolproof. The controls are also equipped with multiple ports for connection to off line programming systems for more advanced users. The combination of these control features and hand wheels enable you to use a single machine for one-off or prototype production; in a semi-automatic mode for small production lots; and in its fully automatic mode for medium length production runs.

The combination of CNC technology and manual capability; in a well made heavy weight design, make the **Summit** SmartCut II the new value leader in turning.

Available in 60" - 200" center distances with up to 19,600 lbs. part capacity.

SUMMIT SMARTCUT BIG HOLE CNC LATHES



Optional power turret

- 8 position
- Hydraulic controlled

Fagor8055 TC CNC control

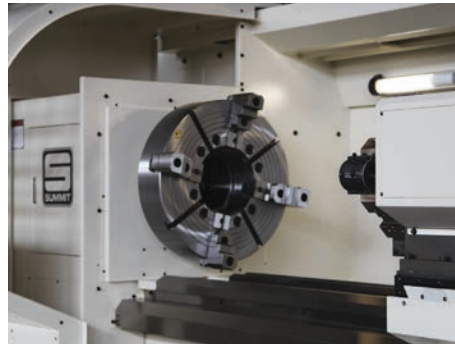
- Full range of canned cycles
- Storage up to 24 MB
- Edit in ISO or teach mode with background editing



Front and rear heavy duty 4 jaw chucks

Optional 8 position power turret





Front and rear 4 jaw chuck

- Heavy duty steel body
- 25" with 10.5" bore
- Top 2 piece reversible jaws



KEY FEATURES

- Heavily ribbed cast bed and base
- Hardened and precision ground bed ways
- Precision ground ball screws
- Infinitely variable speed ranges
- Yaskawa spindle drive
- Constant surface speed
- Fine feed electronic hand wheels
- Inch-metric capabilities
- T-slotted cross slide for multiple accessory compatibility

ACCESSORIES

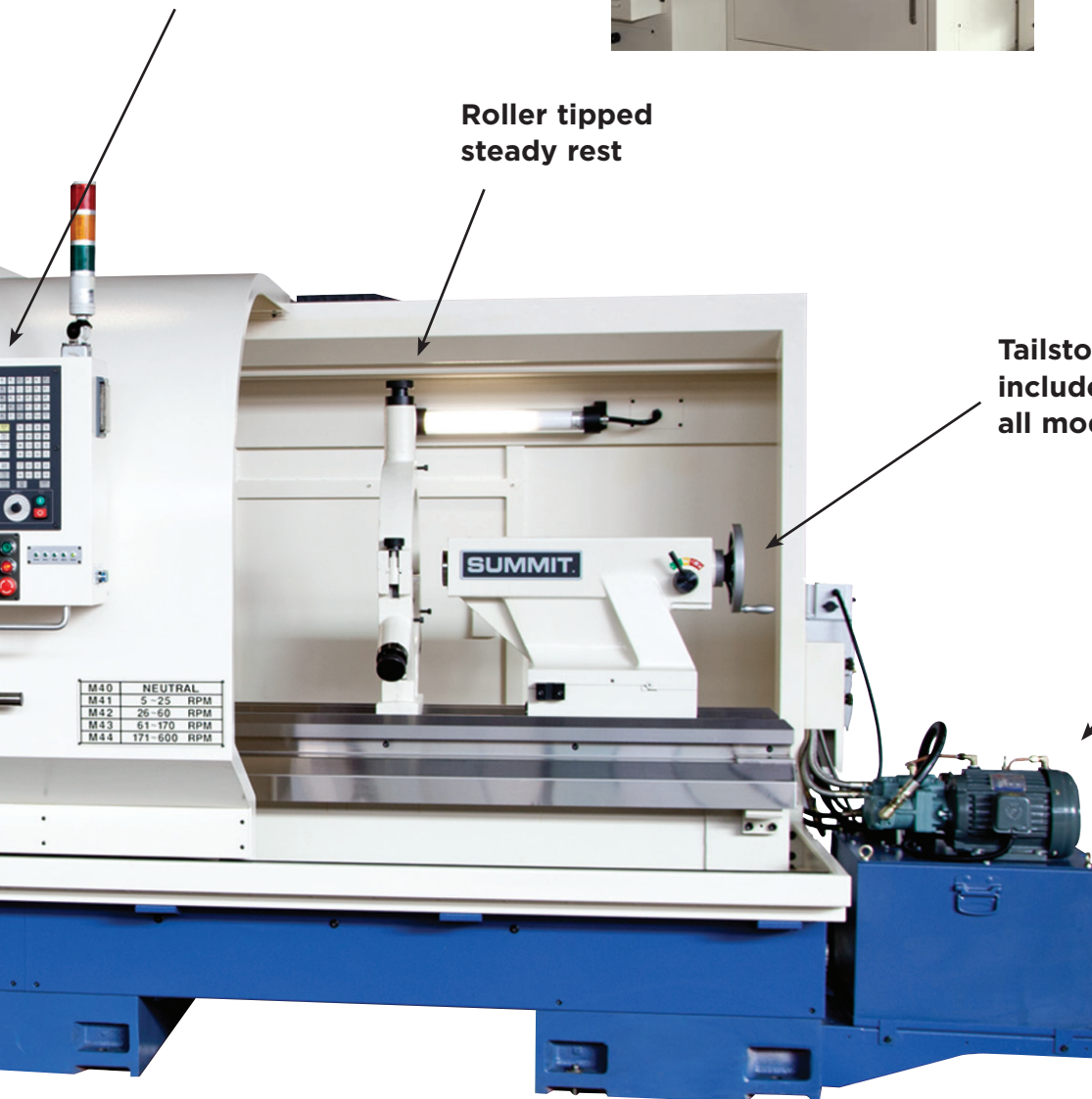
- Steady rest with roller tips
- Coolant system
- Work light
- Sliding enclosure doors
- 3 or 4 jaw chuck (except SC42)
- Front and rear 4 jaw chucks (SC42)

**Fagor O855
TC CNC
control**

**Roller tipped
steady rest**

**Tailstock
included on
all models**

**Independent
hydraulic
unit**



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DIMENSIONS AND SPECIFICATIONS

Smartcut Big Hole CNC Lathes



SPECIFICATIONS	SC26	SC30	SC33	SC42	SC47	SC55	SC63		
CAPACITIES									
Swing over bed	26.3"	30.3"	33"	41.7"	47.2"	55.1"	63"		
Swing over slide	15.75"	19.6"	22.4"	26"	29.5"	37.4"	45.2"		
Bed width		18"		22"		31.5"			
HEADSTOCK									
Hole thru spindle		6.1"/9"		9"/10.2"	12.2"/14.1"	6.1"	9"/10.2"	12.2" / 14.1"	21"
Spindle speeds (no.) range		Infinitely variable		Inf. var.	Inf. var.	Infinitely Variable			
		11-800 RPM/4-600 RPM		4-600 RPM	3-400 RPM	6-800 RPM	4-600 RPM	3-400RPM	2-300RPM
Spindle nose		A2-11/A2-15		A2-15	A2-20	A2-11	A2-15	A2-20	A2-28
FEED RATE									
X axis				0-200 IPM					
Z axis				0-200 IPM					
TAILSTOCK									
Tailstock-quill diameter		3.7"		4.9"		7.8"			
Tailstock-quill travel		9"		11.8"		11.8"			
MOTORS									
X axis servo		2.5 HP		4.5 HP		6.5 HP			
Z axis servo		4.8 HP		6.5 HP		6.5 HP			
Spindle motor HP		20 HP		30 HP		50 HP			

WARRANTY: A copy of Summit Machine Tool Manufacturing L.L.C.'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, L.L.C.

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