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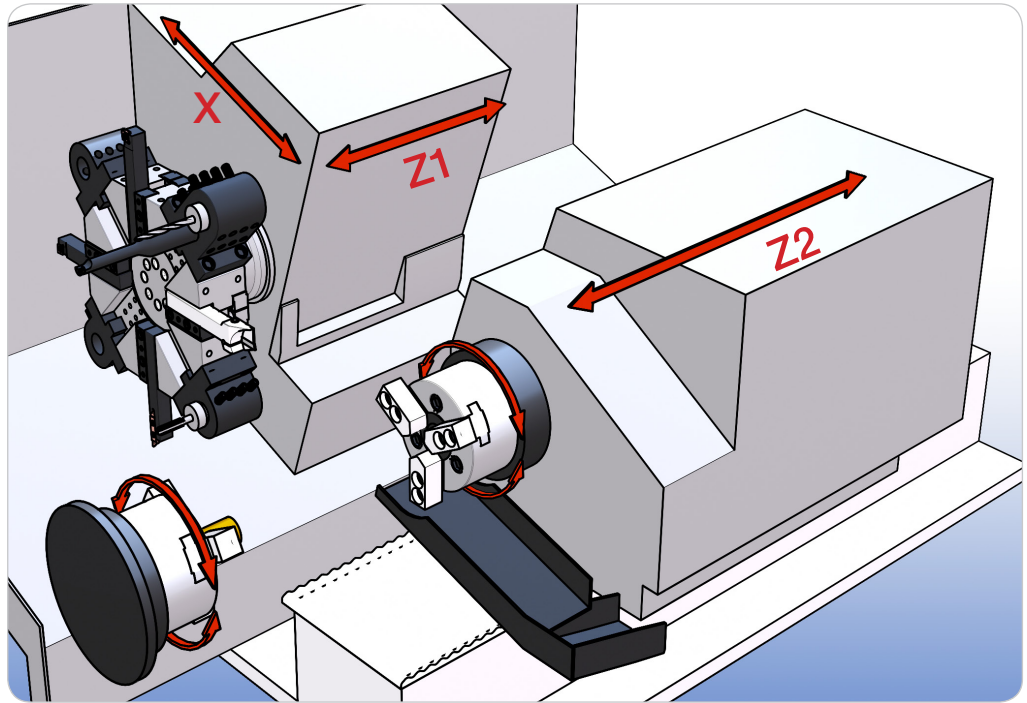
# STS SERIES

TWIN SPINDLE LATHE

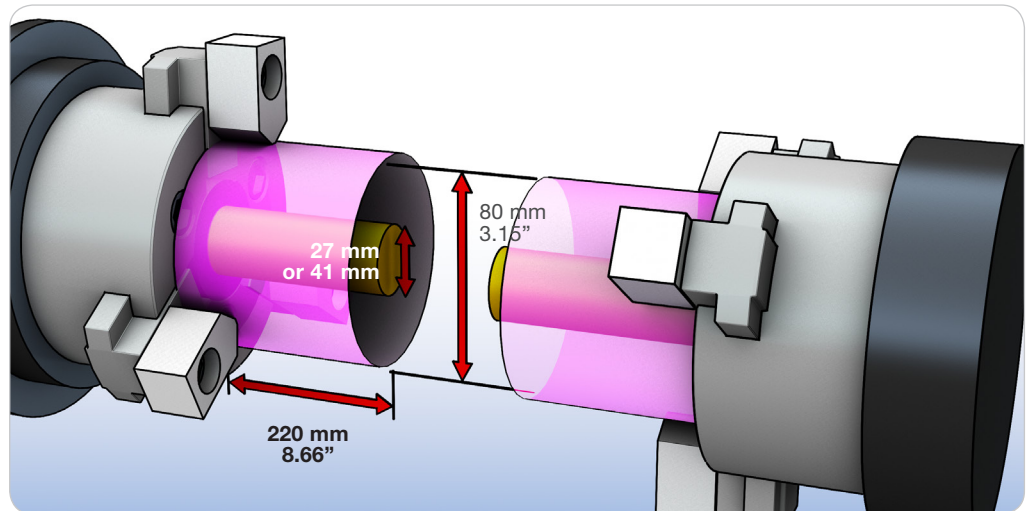


- Finish both front & back sides of a part in ONE setup.
- Eliminate excessive part handling.
- Transfer up to 3.15" diameter part from one spindle to another.

## AXIS LAYOUT



## WORKING RANGE

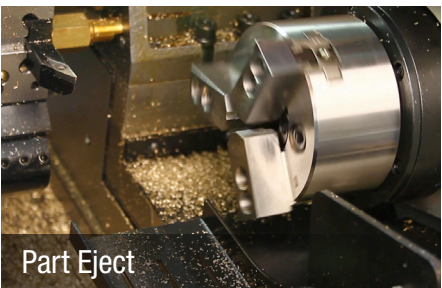
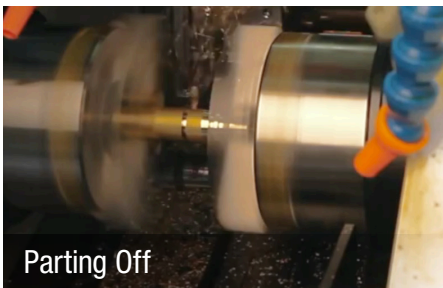
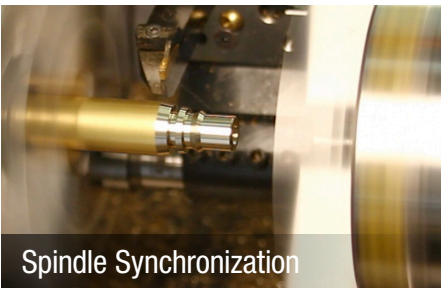
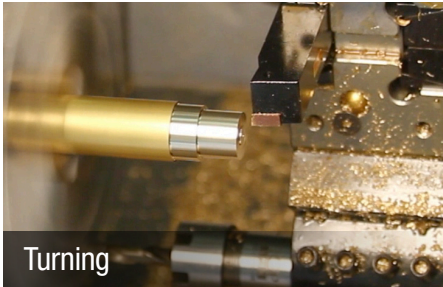


## HIGH PRECISION CONTROL

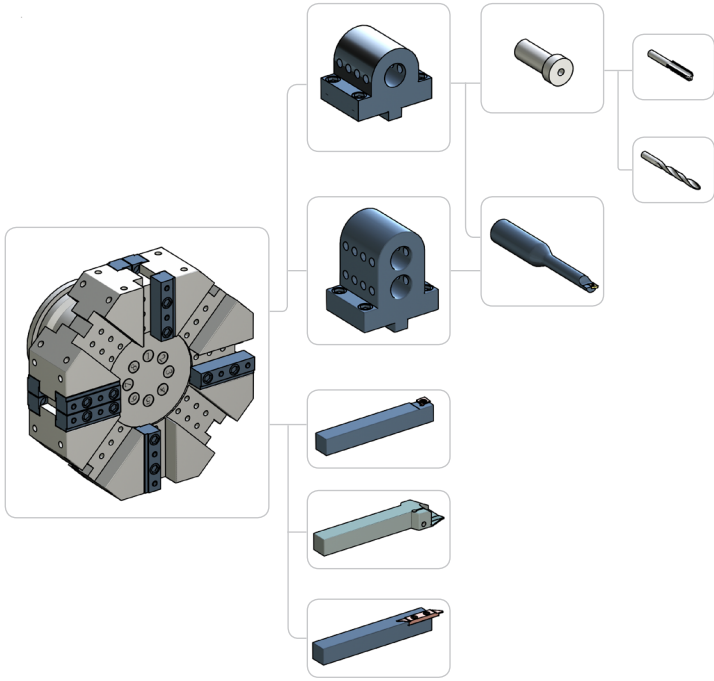
Mitsubishi 64 bit CNC control paired with Mitsubishi digital AC servo drives provide the ultimate in precision and control.



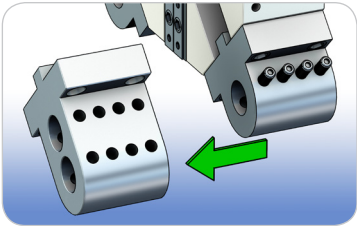
APPLICATION EXAMPLE



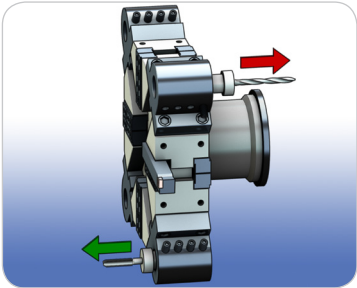
TOOLING SYSTEM



Double Tool Holder Available



Two-Sided Turret



# Specifications

		STS-27	STS-42		
Capability	Max. Turning Diameter	80 mm	ø 3.15 inch		
	Max. Turning Length	220 mm	ø 8.66 inch		
	Bar Capacity	27 mm	ø 1 1/16 inch	41 mm	ø 1 5/8 inch
	Swing	150 mm	ø 5.9 inch		
Travels & Feeds	X-Axis Travel	150 mm	5.9 inch		
	Z1-Axis Travel	240 mm	9.45 inch		
	Z2-Axis Travel	260 mm	10.43 inch		
	Rapid Traverse	18 m/min	708 ipm		
Main Spindle	Through Hole	27 mm	ø 1 1/16 inch	41 mm	ø 1 5/8 inch
	Spindle Nose	ø 85 mm	3.35 inch	A2-5	
	Chucking Options	4" 3-Jaw or collet chuck		6" 3-Jaw or collet chuck	
	Spindle Motor	3 HP		5 HP	
	Spindle Speed	100 ~ 6,000 rpm			
Back Spindle	Through Hole	27 mm	ø 1 1/16"		
	Spindle Nose	ø 85mm	3.35 inch		
	Chucking Options	4" 3-Jaw or collet chuck			
	Spindle Motor	2 HP			
	Spindle Speed	100 ~ 6,000 rpm			
Servo Turret	OD Tool Size	5/8" x 5/8" mm			
	ID Tool Size	ø 3/4 inch max.			
Misc.	Coolant Pump	½ HP			
	Machine Dimensions	2006x1193x1676 mm	79x47x66 inch		
	Net Weight	1374 kg	3,030 lbs	1474 kg	3,250 lbs

## Standard Accessories

Mitsubishi E60 control  
 Servo turret (8-station)  
 Coolant system  
 Work light  
 Foot switch for chuck activation  
 Set of tool holder bushings  
 Chip pan  
 Leveling pads and leveling bolts  
 Tools and toolbox

## Optional Accessories

FANUC control  
 3-jaw hydraulic power chuck  
 Collet chuck  
 Chip conveyor  
 Chip bucket  
 Parts catcher



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