



# 52-GTS

## 6-Axis CNC Dual Gang-Tooled Lathe

- + 52 mm 2" Bar Capacity
- + Twin 15-HP 6,000 RPM Opposed Spindles
- + Dual Parallel Gang-Tooled Cross-Slides
- + Simultaneous Main & Sub-Spindle Machining
- + "C"-Axis on both spindles for Live Tooling Options
- + Faster than a Twin-Spindle Twin-Turret Lathe

<b>Main Spindle &amp; Sub Spindle</b>	Spindle Motors: 11 kW 30-minute rated	15 HP (spindle motor chiller included)		
	Maximum rpm	6,000 rpm with spindle orient		
	Spindle Bearing	5-bearing spindle, 3-front ball bearings, 2-rear		
	Spindle Nose	A2-5		
	Collet Nose	Traub A-52 (3J, 16C, adapters available)		
	Drawtube ID	2.086"	53 mm	
	Collet Capacity	2.047"	52 mm	
	Spindle Center Height to Cross-Slide	3.464"	88 mm	
	Spindle Center Height to Floor	42.2"	1,070 mm	
<b>Axis Travels</b>	Axis Drives & Motors (1.0 kW)	1.35-HP Mitsubishi Mel-Pro Motors and Drives		
	X-Axis Travel: Twin cross-slides	13"	(330 mm) on both gang slides	
	Z <sup>1</sup> -Axis Travel	9.1"	232 mm	
	Z <sup>2</sup> -Axis Travel	12.44"	316 mm	
	X-Axis Servo Motor Power	2.0 HP	1.5 kW	
	Z-Axis Servo Motor Power	1.5 HP	1.0 kW	
	Rapid Travel Speed – X & Z	1,181 IPM	30 m / minute	
	Z-Axis Thrust	714 lbs. thrust	8,574 in / lbs.	
	Minimum input unit	0.0001"	(0.001 mm = 40 millionths of an inch)	
<b>Tooling</b>	OD Turning Tool Size	3/4" standard		
	ID Turning Tool Size	20 mm	3/4" available	
	Cross-Slide T-Slot dimensions	5-T-Slots on 32 mm centers (10 mm slot, 18 mm base)		
<b>Fluid Systems</b>	Coolant Tank Capacity	83 Gallons	(315 L) with coolant flow monitor	
	Coolant Pump	Dual 3/4-HP, 45-PSI pumps (for main and subspindle)		
	Hydraulic System: (550psi)	10.5-gallons (40 liters) ISO VG32 (Mobil DTE-24)		
	Spindle Oil Cooler System	5.5-gallons (25 liters) ISO 10 (Mobil Velocite No. 6)		
	Way Lubrication distribution (ISO-VG68)	0.5-gallon (2-liters) distributed at 3-6 cc / 15-minute cycle		
<b>Specifications</b>	Power Requirements	220 vac ±5%, 3-phase, 60-Hz, 63 Amps, 24 kVA		
	Air Requirements	85-psi, 10-cfm (parts catcher, parts ejector, air blast)		
	Net Weight	9,922 lbs.	4,500 kg	