



# 36-CS

## 7-Axis CNC Swiss Machine without guide bushing

- + 36 mm 1-3/8" Bar Capacity
- + Dual "C" Axis and "Y" Axis with 19" Travel
- + 27-Tools with 11-Driven Tools
- + Simultaneous Main & Sub-Spindle Machining
- + Parts Catcher and Chip Conveyor Included
- + 1,181 IPM Rapid Rates

<b>Main Spindle</b>	Maximum rpm / spindle bearing	6,000 rpm / 5-bearing spindle, 3-front, 2-rear ø110 mm	
	Spindle Motor	10.6-HP	7.9 kW
	Collet Chucks (2-included with machine)	Traub-32 (mounted)	Traub-36 packed w/machine
	Drawtube Bore	1.456"	37 mm
	Maximum Barstock Diameter	1.375"	36 mm
	X-axis Travel	7.28"	185 mm
	Y-axis Travel (true Y-axis, not compound Y)	19.3"	490 mm
	Z-axis Travel	6.50"	165 mm
	Rapid Travel Speed: X, Y, Z	1,181 IPM	30 m/minute
	Minimum positioning input unit	40-millionths (0.00004")	0.001 mm
	C-Axis Spindle Positioning	0.001°	
	OD Turning Tool Positions	6 OD Tools (½" or 12 mm) (5-5/8" tool plate available)	
	ID Turning Tool Positions	5 ID Tools	
	OD Turning Tool size	½" or 12 mm	(5/8" or 16 mm Optional)
	ID Turning Tool Bore Size	25 mm	
	Spindle Center Height	40.63"	1,032 mm
<b>Sub Spindle</b>	Sub spindle rpm / spindle bearing	6,000 rpm / 4-bearing Quad-Duplex pair configuration	
	Sub spindle Motor	10.6-HP	7.9 kW
	Collet Chucks (2-included with machine)	Traub-32 (mounted)	Traub-36 packed w/machine
	Drawtube Bore	1.456"	37 mm
	Maximum Barstock Diameter	1.375"	36 mm
	X-axis Travel	11.41"	290 mm
	Z-axis Travel	11.22"	285 mm
	C-Axis Spindle Positioning	0.001°	
	Minimum input unit	0.0001"	(0.001 mm = 40 millionths inch)
	ID Turning Tool Bore Size	25 mm	
	Air Blast Nozzle	Included	
	Finished Parts Ejector	Included, along with parts catcher & parts conveyor belt	
<b>Live Tooling</b>	Cross slide live tools	4-ER-20 cross slide live tools, 3,000 rpm, 2.0 HP (1.5 kW)	
	Front slide live tools	3-ER-20 front slide live tools, 3,000 rpm, 1.0 HP (0.75 kW)	
	Live tool collet size	ER-20 collet, Ø1/2" (0.5-13 mm) tool shank capacity	
<b>Specifications</b>	Machine Weight	8,818 lbs.	4,000 kgs
	Coolant Pump	Dual 50psi 1-HP Coolant Pumps for main and subspindle	
	Coolant Tank Capacity - 260 liters	63-gallon coolant tank, with flow confirmation sensor	
	Hydraulic Motor Power / Tank Capacity	1-HP	(0.75 kW / 12.15 gallons (46 L))
	Lubrication distribution	Way lube distributed at 3-6 cc / 15-minute cycle	
	Air Requirements	85-PSI at 10-CFM for parts catcher, parts ejector, & air blast	
	Machine Power Requirements	220 vac ±5%, 63-amps, 3-phase, 60Hz, 20-kVA	