

New Equipment Announcement

Southern Machine Works (SMW) is pleased to announce our latest equipment acquisition. SMW has purchased and installed a **MAZAK Hyper Quadrex 250MSYE 34"/850U** high-precision turning center equipped as follows:

- ✓ High pressure coolant (213 psi)
- ✓ 10" Royal Products Quick-Grip™ Collet Chucks
- ✓ workpiece unloader & conveyor
- ✓ LNS Quick Load Servo 80-S2 Barfeed
- ✓ Royal Roto-Rack parts accumulator



This machine is a new generation 2-turret 2-spindle CNC turning center with integrated Y-Axis to increase productivity by allowing concurrent working on one or two workpieces. This turning center has twin turrets with live tooling which allows for "one and done" operation on many parts that typically take multiple steps and setups. The HYPER QUADREX series is designed for a wide variety of applications – from chuck workpieces to large diameter bar work. Additionally, this machine allows for unmanned operation for extended periods of time by using the machine with the bar feeder system and work unloader for bar workpieces; and robotic arm for chuck workpieces.

This machine excels at parts ranging in size from 3/4" to 3" OD. Due to the rigid construction and powerful motors, the Hyper Quadrex 250MSYE easily powers through Aero Aluminum's and harder to machine materials like high-strength carbon steels, Stainless steel, Titanium, and Inconel.

SPECIFICATION		BED LENGTH - 850U MM
Capacity	Maximum Swing	14.60 in / 370 mm
	Maximum Machining Diameter	13.500 in / 344 mm
	Maximum Machining Length	33.900 in / 860 mm
Main Spindle	Maximum Speed	4000 rpm
	Motor Output (30 minute rating)	35.0 hp / 26 kw
Second Spindle	Maximum Speed	5000 rpm
	Motor Output (30 minute rating)	30.0 hp / 22 kw
Turret (Upper)	Number of Tools	16
	Maximum Speed	6000 rpm
	Motor Output (10 minute rating)	7.5 hp / 5 kw
Feed Axes	Travel (X Axis)	8.20 in / 207 mm
	Travel (Y Axis)	4.00 in / 100 mm
	Travel (Z Axis)	29.87 in / 760 mm

Let SMW put this workhorse high-precision turning center to work on your next mill/turn project!



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