

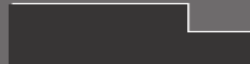
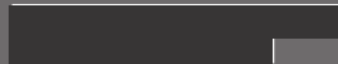


QUOTATION

Syil X5 Drill & Tap Center



This quotation has been developed jointly with Syil Machine Tools, Inc.



ITEM/DESCRIPTION**QTY UNIT \$**
(USD)**TOTAL \$**
(USD)**▶ BASE MACHINE**

Syil X5 Vertical Drilling & Tapping Center with
Siemens 828D CNC Control.

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\$35,900.00

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Includes:

- Machine Base with 3 Linear Axes
- High-quality Epoxy Granite Frame by Schneeberger Swiss
- High-Precision Ballscrew and Linear Guides by THK Japan
- 16 Position ATC Servo Driven

Spindle:

- 20,000 rpm (Option 10,000 RPM)
- BT30 Direct-Drive Spindle

Features Also Include:

- Absolute Servos
- Rigid Tapping
- High-Flow Coolant Pump and Tank
- Coolant washdown hose
- LED Traffic Light Beacon/Signal Tower
- Networking Capabilities/USB Data Transfer
- Steel Axis Way Covers
- Remote Manual Pulse Generator (Handle Jog)
- Air Gun Outlet

<i>Table Dimensions</i>	<i>X Axis Travel</i>	<i>Y Axis Travel</i>	<i>Z Axis Travel</i>
22.8" x 10.2" (580mm x 260mm)	11.81" (300mm)	10.2" (260mm)	11.81" (300mm)
<i>Rapid Traverse Rate</i>	<i>Cutting Feed Rate</i>	<i>Torque</i>	<i>HP</i>
1,377 ipm	393 ipm	23.8 Nm	10HP (30min rating)

Specifications Table and Travels:

- T-Slot Width
.55" (14mm)
- Number and Distance Between T-Slots
3 x 3.14" (3 x 80mm)
- Maximum Load Capacity on the Table
330 Lbs (150kg)

ITEM/DESCRIPTION

▶ BASE MACHINE, CONT'D

Specifications Tool Changer:

- Type Airless Drum
- Tool Quantity 16
- Max tool length 9.84 " (250mm)
- Max Tool Diameter 3.14" (80mm)
- Max Tool Weight 6.5 Lbs (3kg)
- Max Loading Capacity of Magazine 55 Lbs (25kg)
- Tool Change Time .03 sec

Siemens Control:

- Feedrate override 0 ... 200 % 0 ... 200 % 0 ... 200 %
- Feedrate override, axis-specific 0 ... 200 % 0 ... 200 % 0 ... 200 %
- Traversing range, decades $\pm 9 \pm 9 \pm 9$ Rotary axis,
- Velocity, maximum 300 m/s 300 m/s 300 m/s
- Acceleration with jerk limitation
- Programmable acceleration
- Follow-up mode
- Measuring systems 1 and 2, selectable
- Feed Rate interpolation
- Separate path feedrate for roundings and chamfers
- Travel to fixed stop
- Travel to fixed stop with Force Control
- Spindle speed, max. programmable value range: Display: ± 999999999.9999
- Spindle override 0 ... 200 % 0 ... 200 % 0 ... 200 %
- Intermediate gear
- Gear stage selection, automatic
- Oriented spindle stop
- Spindle speed limitation min./max.
- Constant cutting speed
- Spindle control via PLC (positioning, oscillation)
- Changeover to axis mode
- Axis synchronization on-the-fly
- Thread run-in and run-out, programmable
- Thread cutting with constant or variable pitch
- Tapping with compensating chuck/rigid tapping
- Circle via center point and endpoint
- Circle via intermediate point
- Helical interpolation
- Universal interpolator NURBS (non-uniform rational B splines)
- Continuous-path mode with programmable rounding clearance
- Dynamic preprocessing buffer (FIFO)
- Look Ahead, recorded part program blocks: 600
- Milling with MDynamics Top Surface
- Simulation (finished part) in 2D representation
- Inch/metric changeover

▶ **BASE MACHINE, CONT'D**

- Tool life monitoring and workpiece count
- Transfer data to storage medium on front USB interface of operator panel, e.g. card reader, USB flash drive
- Ethernet 1 Gbps (Windows Share/Linux/FTP)
- USB 3.0 interface on the front
- Integrated QWERTY keyboard with short-stroke keys
- Chinese Simplified, Chinese Traditional, English, French, German, Italian, Korean, Japanese, Portuguese, Spanish
- Contour monitoring
- Backlash compensation
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ITEM/DESCRIPTION

▶ **BASE MACHINE, CONT'D**

- Tool Return
- Fixture Offsets
- Optional Skip
- B-Stop
- Absolute Zero Point Coordinate
- Expandable G Code
- Speed Limit for Round Radius
- ISO-G Codes System

▶ **OPTIONS**

	QTY	UNIT \$	TOTAL \$
		<i>(USD)</i>	<i>(USD)</i>
Tool Setter Kits Cable type TTC200	1	\$1,360.00	\$1,360.00
Probe System Wireless type	1	\$5,440.00	\$5,440.00
NC Rotary Table Servo-Type 4th Axis 125mm Kits Include: Servo Motors & Driver Gear Type	1	\$6,520.00	\$6,520.00
Tail Stock for 125mm NC Rotary Table	1	\$1,150.00	\$1,150.00

▶ **TOOLING PACKAGE**

DELIVERY TIME: 8-10 Weeks, subject to prior sale. Delivery to be confirmed upon receipt of PO.

DELIVERY INCOTERM: FOB Shipping Point