



SYIL T

DRILL/TAP MACHINES

Machining Centers of Unsurpassed Quality at the Best Price

BEST VALUE FOR MONEY

CNC machines since 2001

At SYIL, we develop and manufacture CNC machining centers for every need. As a manufacturer with over 20 years of experience in the CNC industry, we understand your unique production and manufacturing requirements.

We have earned our trust by sourcing components from first-class brands and suppliers.

Affordable quality

The SYIL brand is an up-and-coming manufacturer of high-performance CNC machining centers. Our first-class machines have been used in machine shops, the automotive industry and computer technology for more than two decades.

The combination of machine quality and price is unbeatable with SYIL.



TECHNICAL SPECIFICATIONS

	T5	T7
Table		
Table size (mm)	700×420	800×420
T-Slots (number×size×distance) mm	3×14.3×125	3×14.3×125
Max. table load (kg)	250	250
Travel		
X Travel (mm)	600	700
Y Travel (mm)	450	450
Z Travel (mm)	330	330
Distance between spindle end and tabletop (mm)	150-480	150-480
Distance between spindle and column surface (mm)	320	320
Spindle		
Spindle nose	BT30	BT30
Spindle speeds (rpm)	20,000	20,000
Mechanism of transmission	Direct	Direct
Feed		
Cutting feed (mm/min)	20,000	20,000
Rapid traverse (mm/min)	48,000	48,000
Auto Tool Changer		
Tool type	Wheel	Wheel
Tool storage capacity (positions)	21	21
Max. tool diameter (mm)	63	63
Max. tool length (mm)	250	250
Max. tool weight (kg)	3	3
Tool to Tool (s)	1	1
Power		
Spindle motor output (Rate/Max) kW	3.7/5.5	3.7/5.5
Drive motors (X, Y, Z) kW	1.5	1.5
Power Source	AC380V/ 3-Phase	AC380V/ 3-Phase
Machine Size and Weight		
Machine dimensions L x W x H (mm)	2098×1550×2068	2098×1850×2068
Weight (kg)		4500

Controller

Available controller	T5	T7
Syntec 22MA	✓	✓
Siemens 828D	✓	✓
FANUC 0iMF Plus	✓	✓

SYIL T5

Small, Fast, and Powerful



Standard:

20,000 RPM BT30 spindle
Epoxy Granite Frame
THK High-precision linear guide
21 Servo ATC

T5 Syntec

Syntec 22MA CNC controller
with 3/4 axis servo motor

T5 FANUC

FANUC 0iMF Plus CNC Controller
with 3/4 axis servo motor

T5 Siemens

Siemens 828D 15" screen CNC controller
with 3/4 axis servo motor

The SYIL T5 Drill/Tap machines are sleek, high-speed machining centers with a compact footprint.

OPTIONS

NC rotary table DDR type | 4th axis 170mm

NC rotary table Gear type | 4th axis 170mm

Tailstocks for gear type 4 axis

Probe System | Wireless type

Tool Setter Kits | Cable type TTC200

Filtermist



SYIL T7

Ready for Anything



The SYIL T7 Drill/Tap machines make very efficient use of your valuable shop floor space.

OPTIONS

NC rotary table DDR type | 4th axis 170mm
NC rotary table servo type | 4th axis 170mm
Tailstocks for gear type 4 axis
Probe System | Wireless type
Tool Setter Kits | Cable type TTC200
Filtermist

Standard:

20,000 RPM BT30 spindle
Epoxy Granite Frame
THK High-precision linear guide
21 Servo ATC

T7 Syntec

Syntec 22MA CNC controller
with 3/4 axis servo motor

T7 FANUC

FANUC 0iMF Plus CNC Controller
with 3/4 axis servo motor

T7 Siemens

Siemens 828D 15" screen CNC controller
with 3/4 axis servo motor

CONTROLLERS

Choose Your Preferred Controller

We offer multiple controller options for each L series machine.

Undoubtedly, the CNC controller is one of the most important parts of the machine. A suitable controller will provide you with a lot of convenience in using the lathe. However, what is suitable may be different for each buyer. That is why we at SYIL strive to offer you a choice including:

SYNTEC 22MA

Siemens 828D

FANUC 0IMF-Plus



SYNTEC 22MA

- Mechatrolink 3 and EtherCAT serial communication support
- Supports HSHP, HPCC, SPA, ZPEC functions
- 2000 lines look-ahead
- Bell-shaped acceleration/deceleration provides both speed and stability
- Multi-spindle solution: productive, support multi-spindle tapping
- 10.4"/15" screen options
- Maximum 6 axis



Siemens 828D

- Panel-based compact CNC
- Up to 10 axes/spindles and 2 auxiliary axes
- Up to 2 machining channels T, M, G
- 15.6" touch display
- SIMATIC S7-200-based PLC



FANUC 0IMF-Plus

- up to 12 axes, 6 spindle axes and 2 paths
- up to 2 additional loader paths
- 4-axis simultaneous and 3+2 axis machining
- ready to use with integrated software package
- integrated FANUC Dual Check Safety function
- shop-floor programming via MANUAL GUIDE i or TURN MATE i
- additional functions for simple customization
- integrated high-speed PMC
- high speed and high quality machining package
- maximum look-ahead blocks 400
- common operability, maintainability, network and PMC function with CNC Series 30i-MODEL B



OPTIONS

Functions with Added Value

You can equip our machining centers individually and flexibly with a wide range of machine options – for tailored support in your production scenarios.

NC rotary table DDR type | 4th axis 170mm

NC rotary table servo type | 4th axis 170mm

Tailstocks for gear type 4 axis

Probe System | Wireless type

Tool Setter Kits | Cable type TTC200

Filtermist