Source evidence: SYIL X-Series published prices and specifications

This file supports the article **SYIL X7 vs Bumblebee DV5A, X9 vs DV9A, X11 vs DV11A** on cncvalue.ca. Every SYIL figure in the article comes from one of the pages below. Each screenshot was taken in a web browser on 24 November 2026; the page address is printed under its caption. Pages and prices can change after that date.

Bumblebee figures in the article come from Bumblebee technical documentation and cncvalue.ca list prices and are not reproduced here.

Sources

1	https://titansofcnc.com/collections/syil-machine-tools
2	https://titansofcnc.com/products/syil-x7-vertical-mill
3	https://titansofcnc.com/products/syil-x9-vertical-mill
4	https://titansofcnc.com/products/syil-x11-vertical-machining-center
5	https://dasnindustries.com/wp-content/uploads/2024/08/SYIL-X-Series-Global.pdf
6	https://magmacnc.com/machines/syil-x7-gen2-vertical-milling/
7	https://thmt.blob.core.windows.net/item-document/SYIL%20X%20Series%2020240916.pdf
8	https://thmt.blob.core.windows.net/item-document/SYIL_202510_X_Series.pdf

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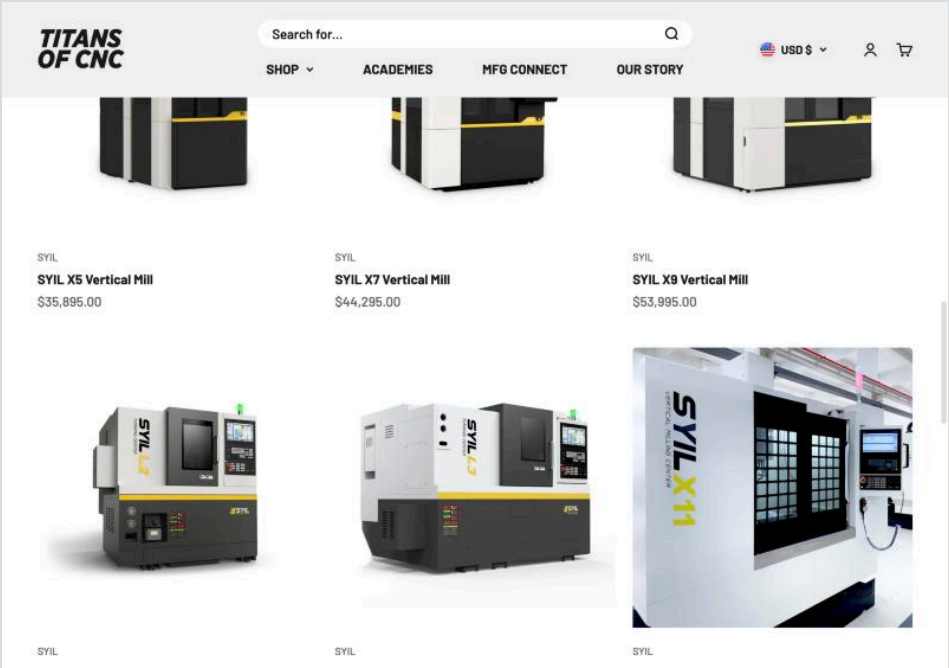
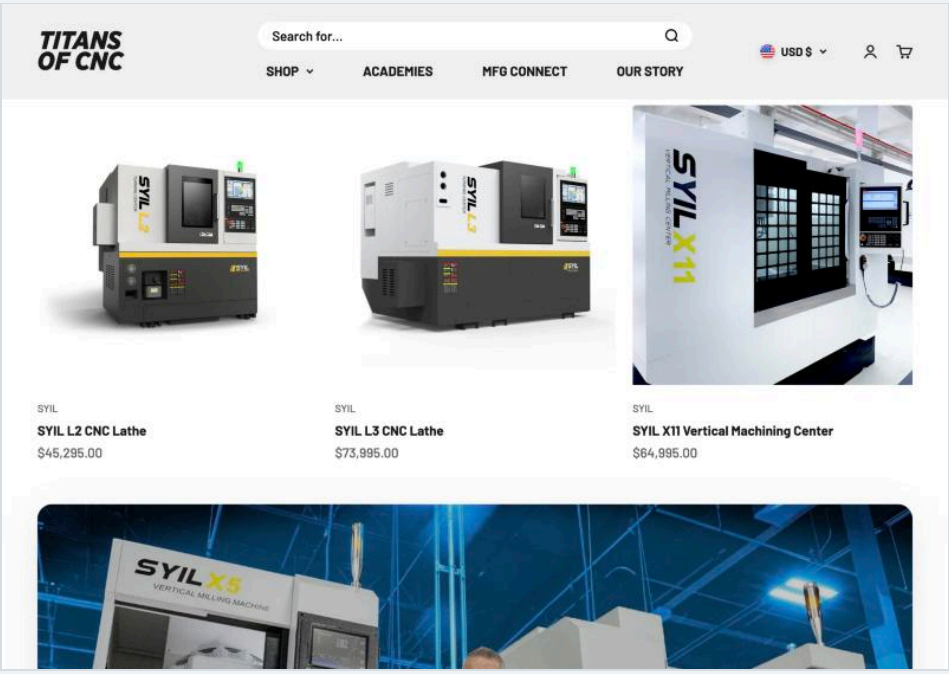
1 Titans of CNC (exclusive US distributor of SYIL) — SYIL collection: X5 USD 35,895, X7 USD 44,295, X9 USD 53,995

https://titansofcnc.com/collections/syil-machine-tools



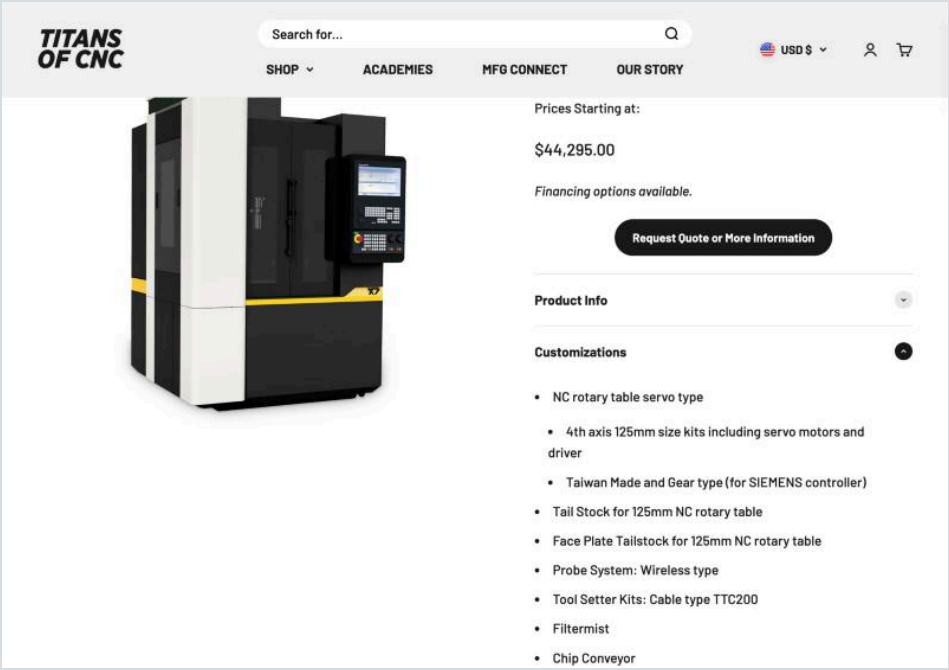
2 Same page — X11 USD 64,995

https://titansofcnc.com/collections/syil-machine-tools



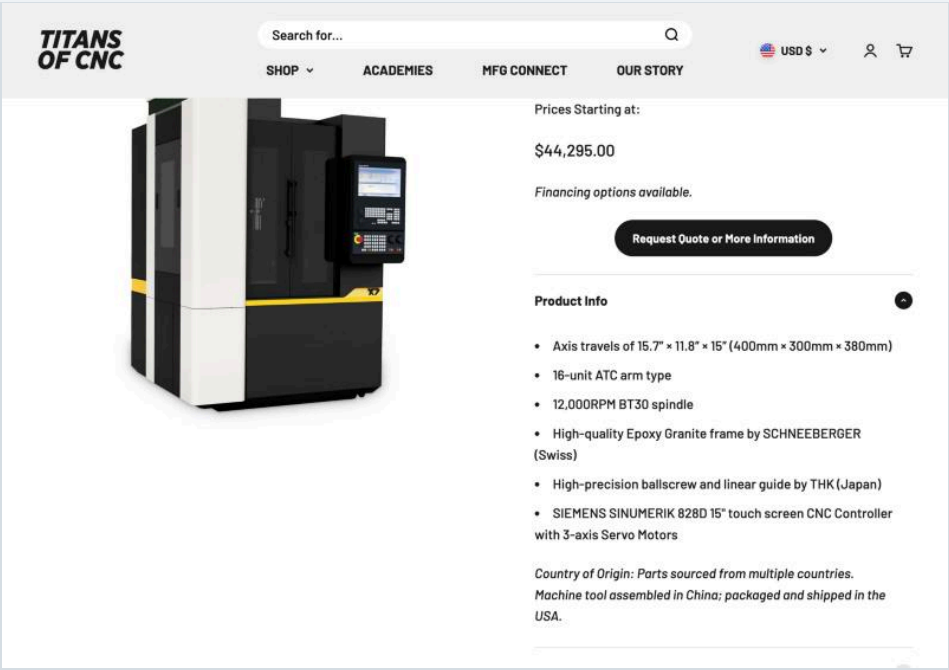
3 SYIL X7, "Prices Starting at" USD 44,295 — Customizations list: 4th axis, tailstock, probe, tool setter, Filtermist, Chip Conveyor

https://titansofcnc.com/products/syil-x7-vertical-mill



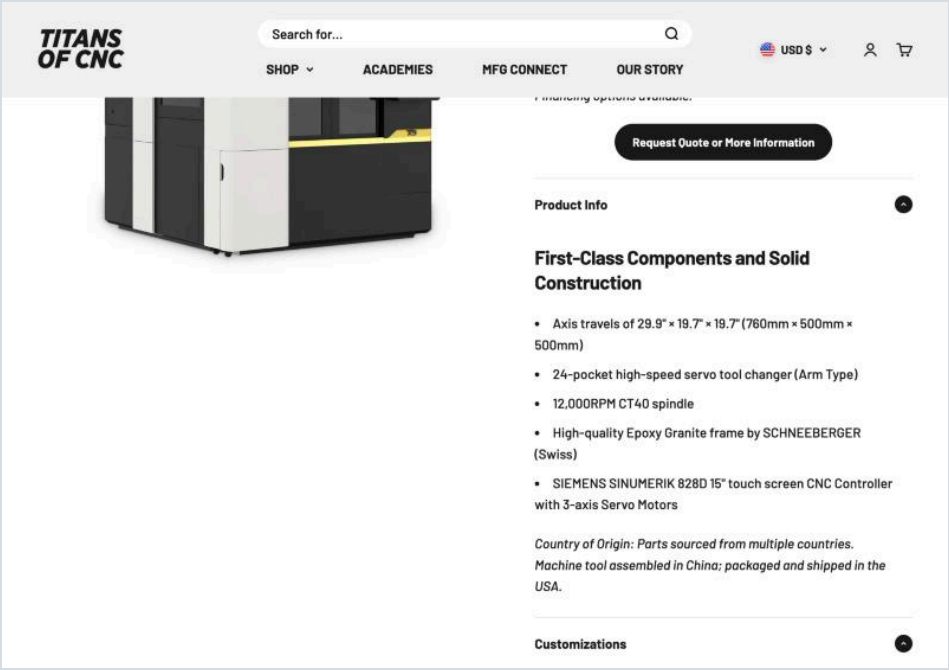
4 SYIL X7 — Product Info: travels, 16-tool arm ATC, 12,000 rpm BT30, SCHNEEBERGER epoxy granite, THK, Siemens 828D; assembled in China

https://titansofcnc.com/products/syil-x7-vertical-mill



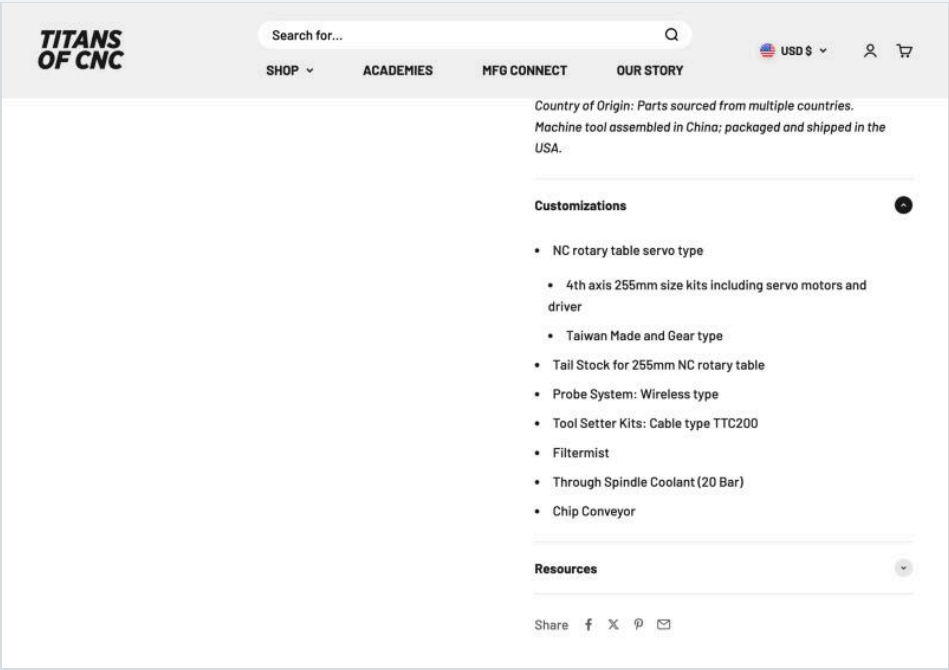
5 SYIL X9 (USD 53,995) — Product Info: travels 760 × 500 × 500 mm, 24-pocket arm ATC, 12,000 rpm CT40, epoxy granite, Siemens 828D

https://titansofcnc.com/products/syil-x9-vertical-mill



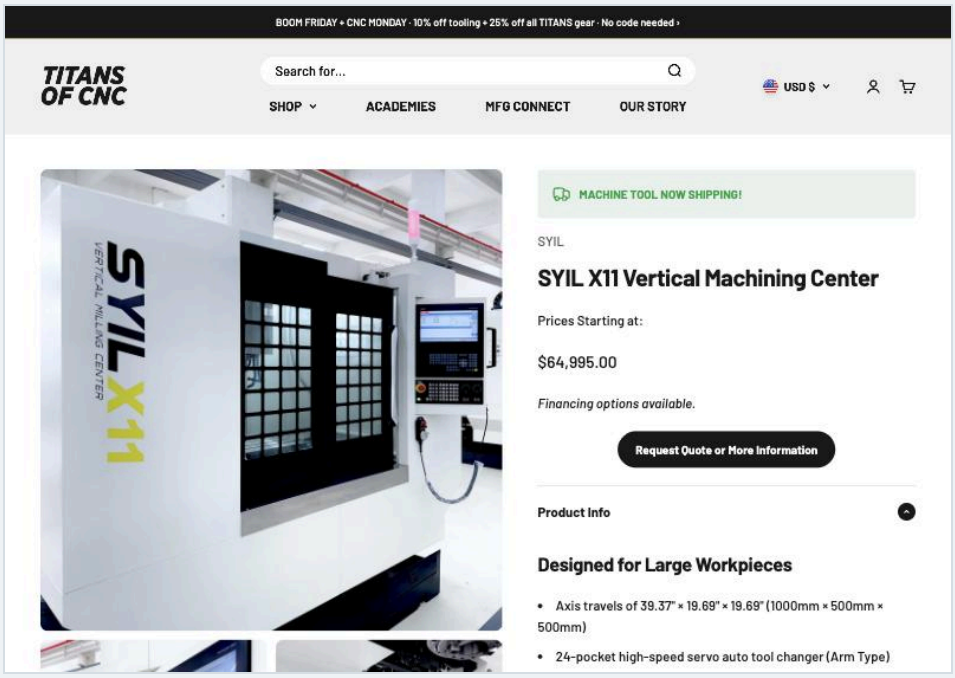
6 SYIL X9 — Customizations: 4th axis 255 mm, tailstock, probe, tool setter, Filtermist, through-spindle coolant 20 bar, Chip Conveyor

https://titansofcnc.com/products/syil-x9-vertical-mill



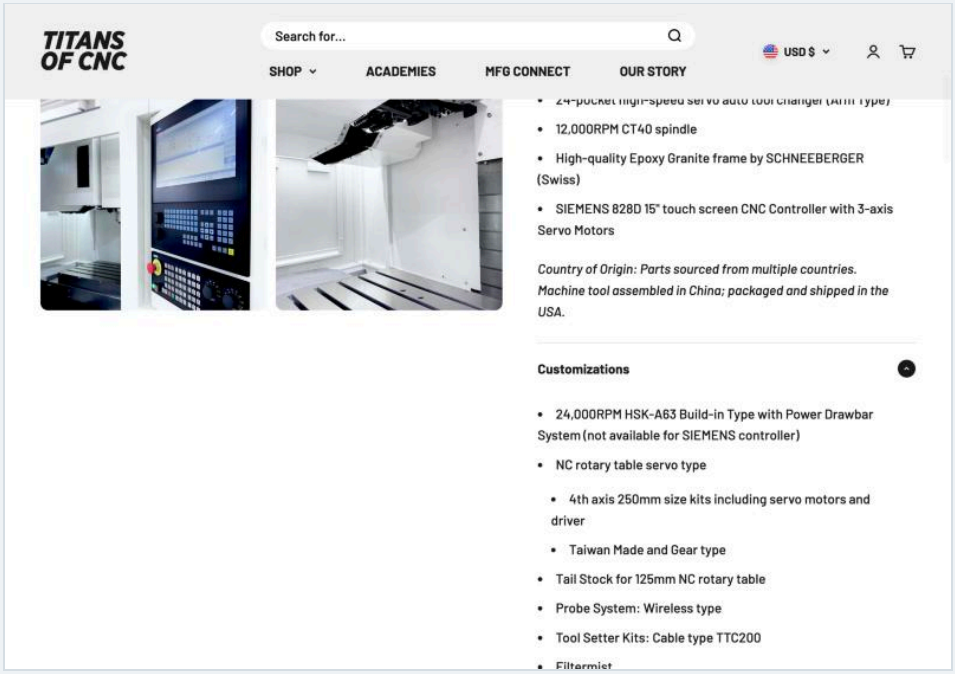
7 SYIL X11, "Prices Starting at" USD 64,995 — travels 1000 × 500 × 500 mm, 24-pocket arm ATC

https://titansofcnc.com/products/syil-x11-vertical-machining-center



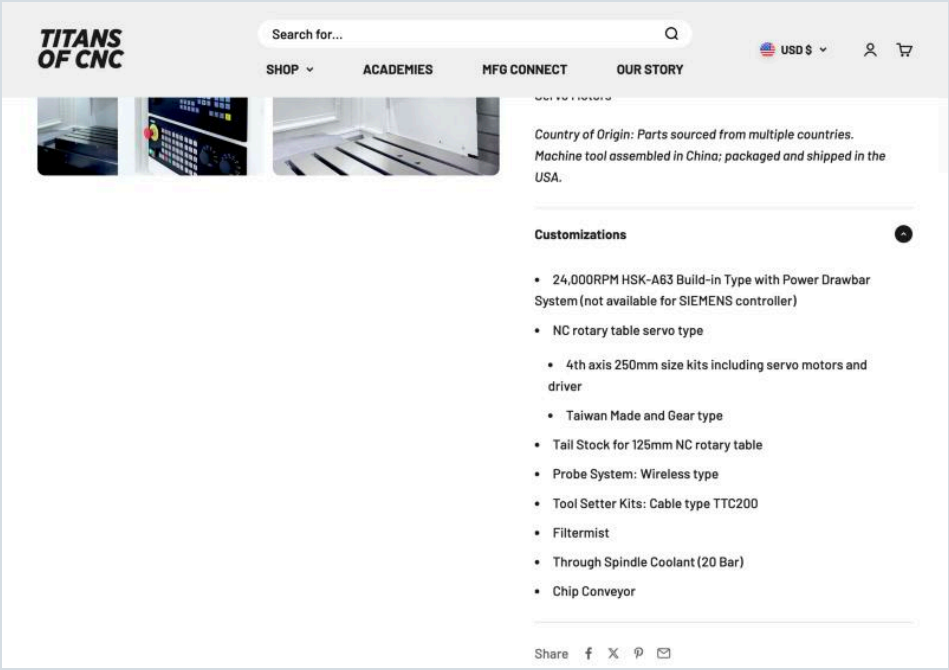
8 SYIL X11 — 12,000 rpm CT40 spindle, epoxy granite, Siemens 828D; assembled in China

https://titansofcnc.com/products/syil-x11-vertical-machining-center



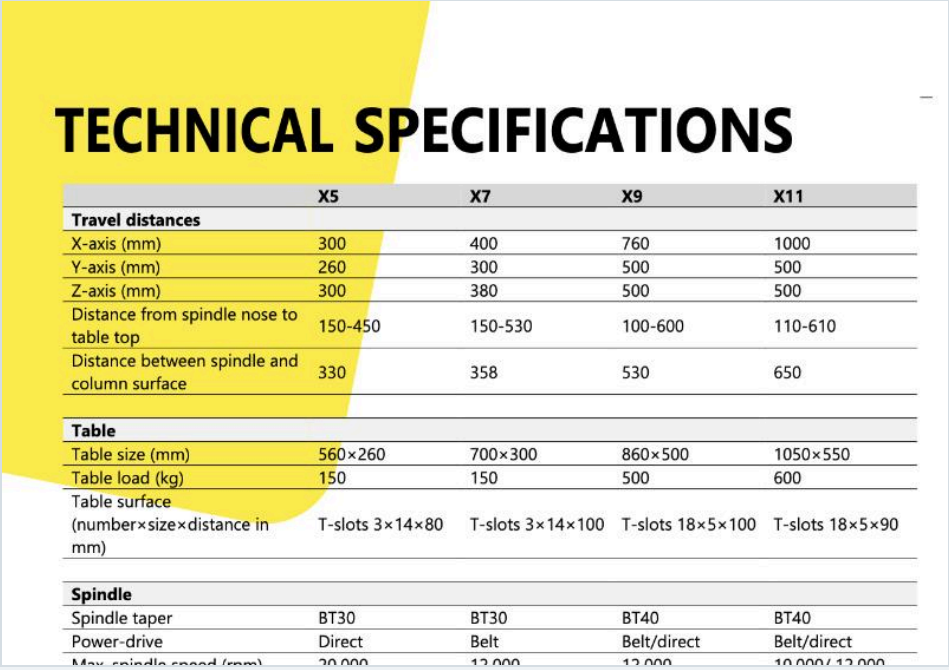
9 SYIL X11 — Customizations: 24,000 rpm HSK-A63 spindle, 4th axis 250 mm, probe, tool setter, Filtermist, TSC 20 bar, Chip Conveyor

https://titansofcnc.com/products/syil-x11-vertical-machining-center



10 SYIL X Series global brochure (2024), p.3 Technical specifications (1/2): travels, table, table load, spindle taper

https://dasnindustries.com/wp-content/uploads/2024/08/SYIL-X-Series-Global.pdf

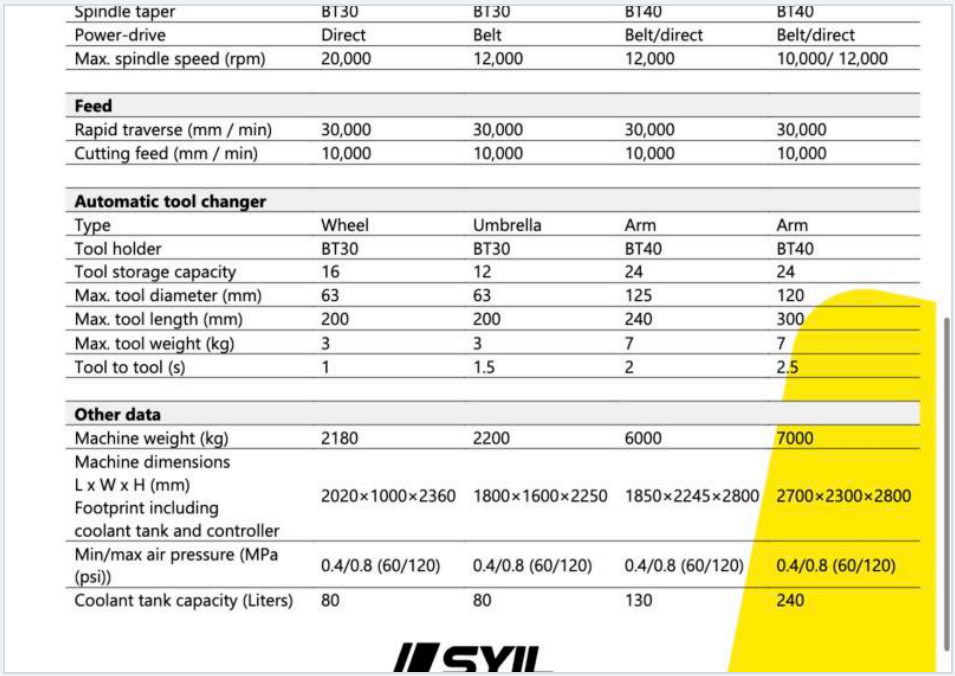


TECHNICAL SPECIFICATIONS

	X5	X7	X9	X11
Travel distances				
X-axis (mm)	300	400	760	1000
Y-axis (mm)	260	300	500	500
Z-axis (mm)	300	380	500	500
Distance from spindle nose to table top	150-450	150-530	100-600	110-610
Distance between spindle and column surface	330	358	530	650
Table				
Table size (mm)	560×260	700×300	860×500	1050×550
Table load (kg)	150	150	500	600
Table surface (number×size×distance in mm)	T-slots 3×14×80	T-slots 3×14×100	T-slots 18×5×100	T-slots 18×5×90
Spindle				
Spindle taper	BT30	BT30	BT40	BT40
Power-drive	Direct	Belt	Belt/direct	Belt/direct
Max. spindle speed (rpm)	20,000	12,000	12,000	10,000/ 12,000

11 Same, p.3 (2/2): spindle speed, rapids, ATC, tool sizes, tool-to-tool, machine weight, footprint

https://dasnindustries.com/wp-content/uploads/2024/08/SYIL-X-Series-Global.pdf



Spindle taper	BT30	BT30	BT40	BT40
Power-drive	Direct	Belt	Belt/direct	Belt/direct
Max. spindle speed (rpm)	20,000	12,000	12,000	10,000/ 12,000
Feed				
Rapid traverse (mm / min)	30,000	30,000	30,000	30,000
Cutting feed (mm / min)	10,000	10,000	10,000	10,000
Automatic tool changer				
Type	Wheel	Umbrella	Arm	Arm
Tool holder	BT30	BT30	BT40	BT40
Tool storage capacity	16	12	24	24
Max. tool diameter (mm)	63	63	125	120
Max. tool length (mm)	200	200	240	300
Max. tool weight (kg)	3	3	7	7
Tool to tool (s)	1	1.5	2	2.5
Other data				
Machine weight (kg)	2180	2200	6000	7000
Machine dimensions L x W x H (mm) Footprint including coolant tank and controller	2020×1000×2360	1800×1600×2250	1850×2245×2800	2700×2300×2800
Min/max air pressure (MPa (psi))	0.4/0.8 (60/120)	0.4/0.8 (60/120)	0.4/0.8 (60/120)	0.4/0.8 (60/120)
Coolant tank capacity (Liters)	80	80	130	240

SYIL

12 Same, p.20: X7 12,000 rpm BT30 spindle with Syntec 22MA — 8.2 / 12 kW, torque 26 / 38 Nm

https://dasnindustries.com/wp-content/uploads/2024/08/SYIL-X-Series-Global.pdf



		Unit	Value
Output power	Continuous (S1)	kW	8.2
	30 min (S2)	kW	12
Rotating speed	Rated value	RPM	3,000
	Maximum value	RPM	12,000
Torque	Rated torque	Nm	26
	Maximum torque	Nm	38
Electric current	Continuous (S1)	Arms	21
	30 min (S2)	Arms	50.6
Rotor inertia		$Kg*cm^2$	135.82
Cooling type			Fan cooling
Class insulation			F
Temperature sensor			KTY84

13 **Same, p.23: 10,000 rpm BT40 spindle (X9, X11) — no power or torque data given**
https://dasnindustries.com/wp-content/uploads/2024/08/SYIL-X-Series-Global.pdf

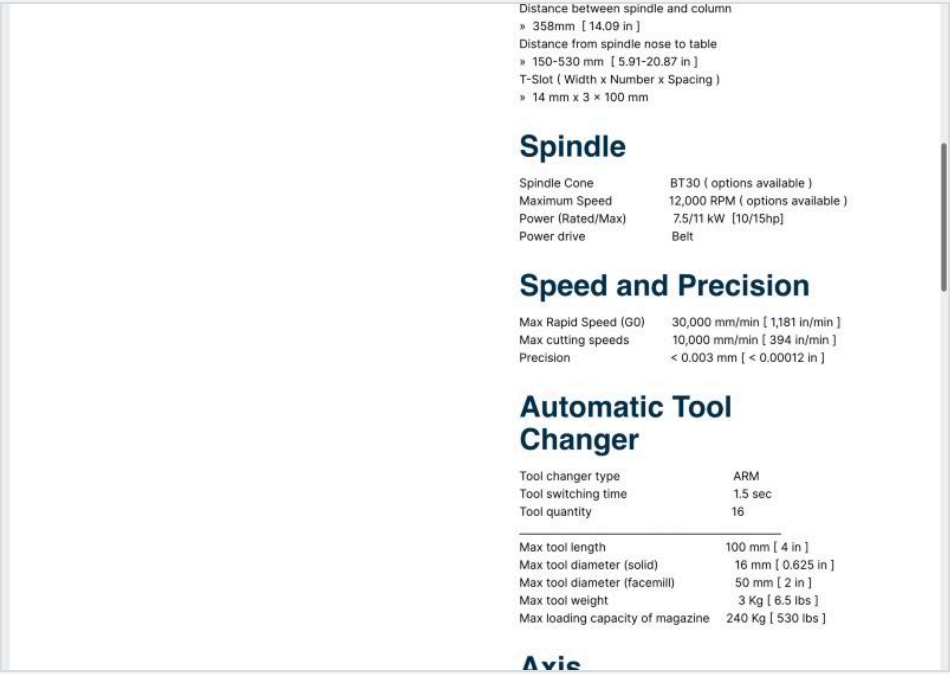


14 **Same, p.37: Chip conveyor listed as an option, available for X7, X9, X11 (not X5)**
https://dasnindustries.com/wp-content/uploads/2024/08/SYIL-X-Series-Global.pdf



15 **Magma CNC (SYIL dealer) — SYIL X7 Gen2 specifications: spindle BT30 12,000 rpm belt, 7.5/11 kW; precision < 0.003 mm (no standard named); ATC arm 16, 1.5 s**

https://magmacnc.com/machines/syil-x7-gen2-vertical-milling/



Distance between spindle and column
» 358mm [14.09 in]
Distance from spindle nose to table
» 150-530 mm [5.91-20.87 in]
T-Slot (Width x Number x Spacing)
» 14 mm x 3 x 100 mm

Spindle

Spindle Cone	BT30 (options available)
Maximum Speed	12,000 RPM (options available)
Power (Rated/Max)	7.5/11 kW [10/15hp]
Power drive	Belt

Speed and Precision

Max Rapid Speed (G0)	30,000 mm/min [1,181 in/min]
Max cutting speeds	10,000 mm/min [394 in/min]
Precision	< 0.003 mm [< 0.00012 in]

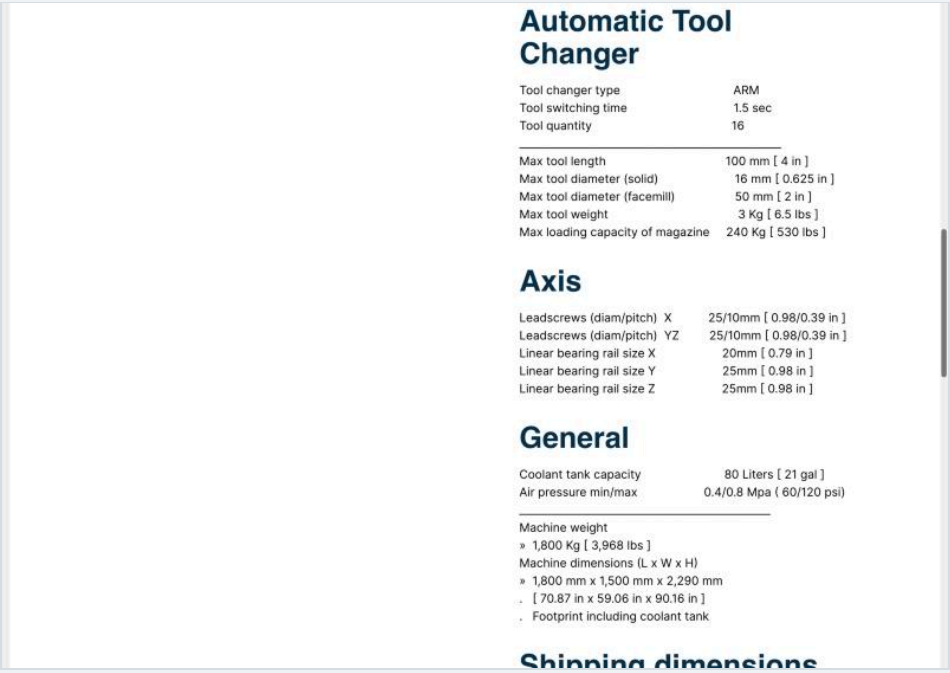
Automatic Tool Changer

Tool changer type	ARM
Tool switching time	1.5 sec
Tool quantity	16
Max tool length	100 mm [4 in]
Max tool diameter (solid)	16 mm [0.625 in]
Max tool diameter (facemill)	50 mm [2 in]
Max tool weight	3 Kg [6.5 lbs]
Max loading capacity of magazine	240 Kg [530 lbs]

Axis

16 **Same — Axis: ball screws 25/10 mm X, Y, Z; linear rails 20 mm X, 25 mm Y and Z; machine weight 1,800 kg**

https://magmacnc.com/machines/syil-x7-gen2-vertical-milling/



Automatic Tool Changer

Tool changer type	ARM
Tool switching time	1.5 sec
Tool quantity	16
Max tool length	100 mm [4 in]
Max tool diameter (solid)	16 mm [0.625 in]
Max tool diameter (facemill)	50 mm [2 in]
Max tool weight	3 Kg [6.5 lbs]
Max loading capacity of magazine	240 Kg [530 lbs]

Axis

Leadscrews (diam/pitch) X	25/10mm [0.98/0.39 in]
Leadscrews (diam/pitch) YZ	25/10mm [0.98/0.39 in]
Linear bearing rail size X	20mm [0.79 in]
Linear bearing rail size Y	25mm [0.98 in]
Linear bearing rail size Z	25mm [0.98 in]

General

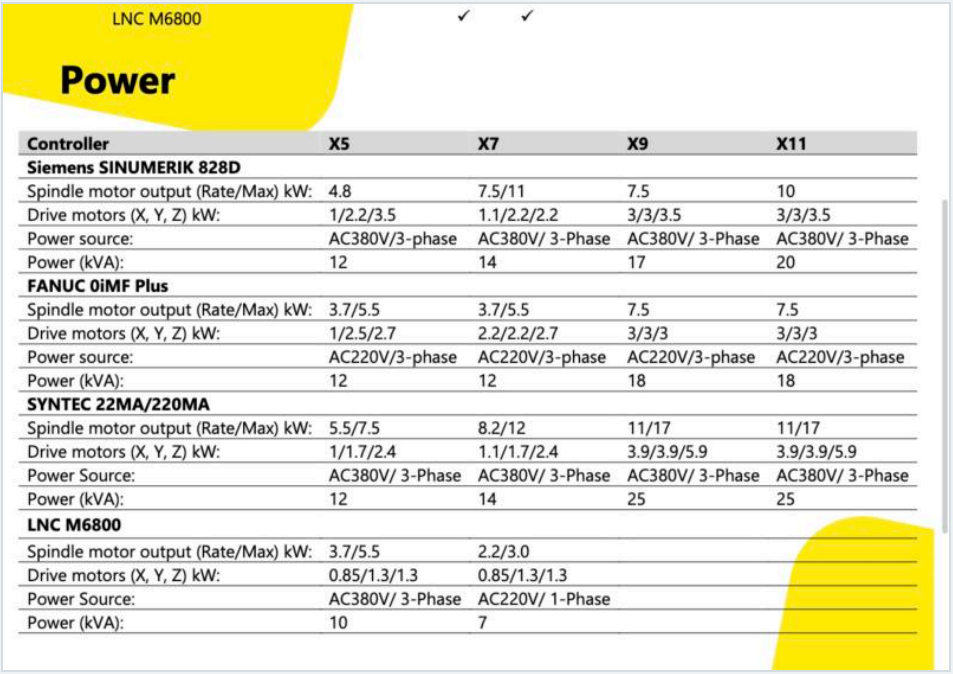
Coolant tank capacity	80 Liters [21 gal]
Air pressure min/max	0.4/0.8 Mpa (60/120 psi)

Machine weight
» 1,800 Kg [3,968 lbs]
Machine dimensions (L x W x H)
» 1,800 mm x 1,500 mm x 2,290 mm
. [70.87 in x 59.06 in x 90.16 in]
. Footprint including coolant tank

Shipping dimensions

17 SYIL X Series brochure (2024-09), p.4 Power: spindle motor output by controller — Siemens X7 7.5/11, X9 7.5, X11 10 kW; Syntec X9/X11 11/17 kW; Siemens and Syntec AC380V

https://thmt.blob.core.windows.net/item-document/SYIL%20X%20Series%2020240916.pdf



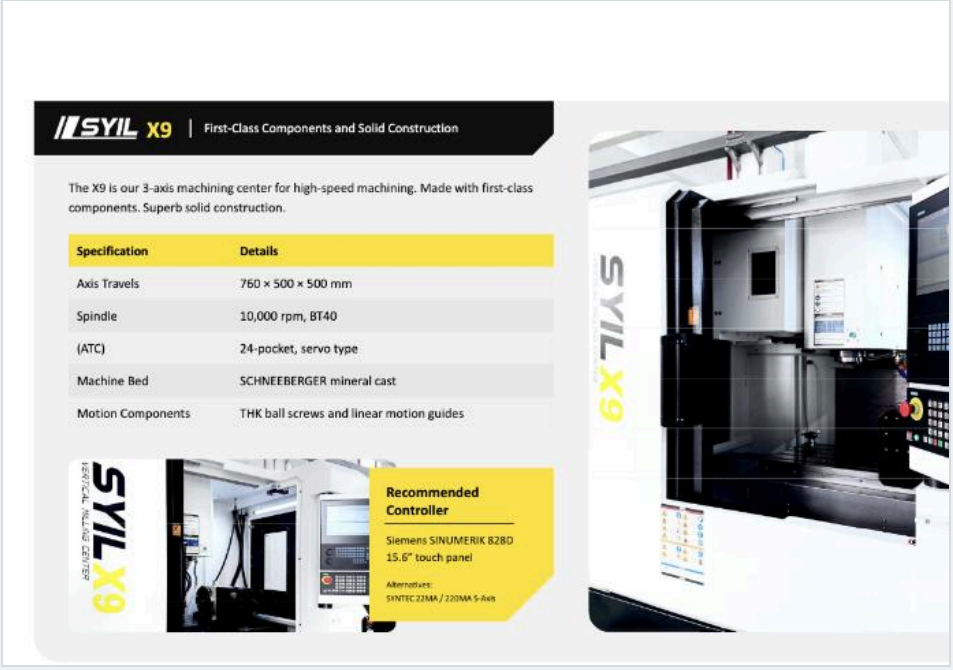
LNC M6800 ✓ ✓

Power

Controller	X5	X7	X9	X11
Siemens SINUMERIK 828D				
Spindle motor output (Rate/Max) kW:	4.8	7.5/11	7.5	10
Drive motors (X, Y, Z) kW:	1/2.2/3.5	1.1/2.2/2.2	3/3/3.5	3/3/3.5
Power source:	AC380V/3-phase	AC380V/ 3-Phase	AC380V/ 3-Phase	AC380V/ 3-Phase
Power (kVA):	12	14	17	20
FANUC 0iMF Plus				
Spindle motor output (Rate/Max) kW:	3.7/5.5	3.7/5.5	7.5	7.5
Drive motors (X, Y, Z) kW:	1/2.5/2.7	2.2/2.2/2.7	3/3/3	3/3/3
Power source:	AC220V/3-phase	AC220V/3-phase	AC220V/3-phase	AC220V/3-phase
Power (kVA):	12	12	18	18
SYNTEC 22MA/220MA				
Spindle motor output (Rate/Max) kW:	5.5/7.5	8.2/12	11/17	11/17
Drive motors (X, Y, Z) kW:	1/1.7/2.4	1.1/1.7/2.4	3.9/3.9/5.9	3.9/3.9/5.9
Power Source:	AC380V/ 3-Phase	AC380V/ 3-Phase	AC380V/ 3-Phase	AC380V/ 3-Phase
Power (kVA):	12	14	25	25
LNC M6800				
Spindle motor output (Rate/Max) kW:	3.7/5.5	2.2/3.0		
Drive motors (X, Y, Z) kW:	0.85/1.3/1.3	0.85/1.3/1.3		
Power Source:	AC380V/ 3-Phase	AC220V/ 1-Phase		
Power (kVA):	10	7		

18 SYIL X Series catalog (2025-10), X9 page: 10,000 rpm BT40 spindle, 24-pocket ATC, SCHNEEBERGER mineral cast, THK; no torque, guide or ball screw sizes given

https://thmt.blob.core.windows.net/item-document/SYIL_202510_X_Series.pdf



SYIL X9 | First-Class Components and Solid Construction

The X9 is our 3-axis machining center for high-speed machining. Made with first-class components. Superb solid construction.

Specification	Details
Axis Travels	760 × 500 × 500 mm
Spindle	10,000 rpm, BT40
(ATC)	24-pocket, servo type
Machine Bed	SCHNEEBERGER mineral cast
Motion Components	THK ball screws and linear motion guides

SYIL X9

Recommended Controller

Siemens SINUMERIK 828D 15.6" touch panel

Alternatives: SYNTEC 22MA / 220MA 5-Axis

SYIL X9

19 **Same, X9 options: 4th axis 255 mm, tailstock, probe, tool setter, Filtermist, CTS 20 bar, Chip Conveyor, tooling package**

https://thmt.blob.core.windows.net/item-document/SYIL_202510_X_Series.pdf

Option	Description / Notes
NC Rotary Table Servo Type	4th Axis, 255 mm
Tail Stock	For 255 mm NC Rotary Table
Probe System	Wireless Type
Tool Setter Kits	Cable Type, Model TTC200
Filtermist	—
Central Coolant System	CTS, 20 Bar pressure
Chip Conveyor	—
Tooling Package	—

