

Rittal – The System.

Faster – better – everywhere.

Perforex Milling Terminal MT S Machine

The Perforex Milling Terminal MT S from Rittal Automation Systems (RAS) empowers panel shops and machine builders to produce high-quality, custom panels consistently and quickly, ensuring an excellent return on investment. Available in three models (1101, 2101, 2201) to suit different output needs, this machine easily handles hole-drilling, thread-tapping, and cut-outs in panel materials, all while delivering fast throughput and precision you can depend on.



What Can the Perforex MT S Provide for You?

- **Accelerated machining** of enclosures and panels for faster lead times (including hole-drilling, thread-tapping, and cut-outs)
- **Processing of all machinable materials**, including spray-finished carbon steel, stainless steel, aluminum, copper, and plastic
- **Fast ROI and enhanced competitiveness**, even with batch sizes of one
- **Precise, consistent results** due to a high-performance spindle and vibration-limiting stabilizer plate
- **Long-lasting performance** due to tool-friendly machining, a minimum-quantity lubrication system, and an intuitive pneumatic clamping system
- **Streamlined workflows** with automatic tool changes, integrated tool length measurement, and chip extraction
- **Easy operation** with a clear 24-inch HMI and network-based software for data consistency (Eplan software solutions provide the best possible workflow)

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Perforex Milling Terminal MT S Models:

- Milling Terminal MT 1101 S for efficient entry-level milling
- Milling Terminal MT 2101 S for machining virtually all enclosures
- Milling Terminal MT 2201 S, two-door model for machining e.g. fully sealed enclosures



See it in
action here:

Model No.	4055912	4055922	4055927
Machine options	2 additional zero points for multi-part machining 4050.110	Signal pillar 4055.954	Signal pillar 4055.954
		Side access 4055.952	Side access 4055.952
		4055.951 support arm system	4055.951 support arm system
		Cube machining 2000 mm 4055.953	Clamping height extension 4050.035
		2 additional zero points for multi-part machining 4050.066	2 additional zero points for multi-part machining 4050.111
Machine controller	Order control with Rittal Panel Processing Center (RiPPC)	Order control with Rittal Panel Processing Center (RiPPC)	Order control with Rittal Panel Processing Center (RiPPC)
	Operation with Rittal HMI	Operation with Rittal HMI	Operation with Rittal HMI
Security	Safety fence according to DIN EN ISO 13857	Safety fence according to DIN EN ISO 13857	Safety fence according to DIN EN ISO 13857
Interfaces	Rittal Panel Processing Center (RiPPC)	Rittal Panel Processing Center (RiPPC)	Rittal Panel Processing Center (RiPPC)
	EPLAN Pro Panel	EPLAN Pro Panel	EPLAN Pro Panel
	Rittal Configuration System	Rittal Configuration System	Rittal Configuration System
	DXF data import	DXF data import	DXF data import
Note	We reserve the right to make technical modifications	We reserve the right to make technical modifications	We reserve the right to make technical modifications
Support area		Width: 4,600 mm / 181 in	Width: 5,050 mm / 198.8 in
		Height: 2,450 mm / 96.5 in	Height: 2,400 mm / 94.5 in
		Depth: 3,750 mm / 147.6 in	Depth: 4,550 mm / 179.1 in

Imperial measurements rounded to the nearest decimal.

Perforex MT S Enclosure Milling Machine

Model No.	4055912	4055922	4055927
Compressed air connection	6 bar (87 psi)	6 bar (87 psi)	6 bar (87 psi)
Weight of workpiece, panel machining (max.)	200 kg / 440.9 lbs	250 kg / 551.2 lbs	250 kg / 551.2 lbs
Weight of workpiece, enclosure machining (max.)	200 kg / 440.9 lbs	300 kg / 661.4 lbs	300 kg
Number of tool holders	18	21	21
Machining accuracy	+/- 0.2 mm / 0.008 in	+/- 0.2 mm / 0.008 in	+/- 0.2 mm / 0.008 in
Speed X/Y axis	60,000 mm/min / 2,362.2 in/min	60,000 mm/min / 2,362.2 in/min	60,000 mm/min / 2,362.2 in/min
Speed Z-axis	12,000 mm/min / 472.4 in/min	12,000 mm/min / 472.4 in/min	12,000 mm/min / 472.4 in/min
Spindle speed (max.)	21,000 rpm	21,000 rpm	21,000 rpm
Spindle power (max.)	11 kW	11 kW	11 kW
Control voltage (DC)	24 V	24 V	24 V
Rated current max.	6.2 A	6.2 A	6.2 A
Rated operating voltage	3L, 400 - 480 V / 230 - 277 V, 50/60 Hz	3L, 400 - 480 V / 230 - 277 V, 50/60 Hz	3L, 400 - 480 V / 230 - 277 V, 50/60 Hz
Machining speed (max.)	1,500 mm/min / 59.1 in/min	1,500 mm/min / 59.1 in/min	1,500 mm/min / 59.1 in/min
Dimensions of clampable enclosures min.	Width: 100 mm / 3.9 in	Width: 100 mm / 3.9 in	Width: 100 mm / 3.9 in
	Height: 1,400 mm / 55.1 in	Height: 1,600 mm / 63 in	Height: 1,600 mm / 63 in
	Depth: 1,400 mm / 55.1 in	Depth: 1,600 mm / 63 in	Depth: 2,200 mm / 86.6 in
Min. clamping panel dimensions	Width: 100 mm / 3.9 in	Width: 100 mm / 3.9 in	Width: 100 mm / 3.9 in
	Height: 100 mm / 3.9 in	Height: 100 mm / 3.9 in	Height: 100 mm / 3.9 in
	Depth: 1.25 mm / 0.05 in	Depth: 1.25 mm / 0.05 in	Depth: 1.25 mm / 0.05 in
Max. clamping panel dimensions	Width: 2,450 mm / 96.5 in	Width: 2,450 mm / 96.5 in	Width: 2,300 mm / 90.6 in
	Height: 1,500 mm / 59.1 in	Height: 1,700 mm / 66.9 in	Height: 1,550 mm / 61 in
	Depth: 5 mm / 0.2 in	Depth: 5 mm / 0.2 in	Depth: 5 mm / 0.2 in
Max. machinable area for enclosures	Width: 750 mm / 29.5 in	Width: 1,200 mm / 47.2 in	Width: 2,300 mm / 90.6 in
	Height: 1,400 mm / 55.1 in	Height: 1,600 mm / 63 in	Height: 1,600 mm / 63 in
Packaging unit	1 pc(s).	1 pc(s).	1 pc(s).
Net weight	1,600 kg / 3,527.4 lbs	2,300 kg / 5,070.6 lbs	3,200 kg / 7,054.8 lbs
Gross weight	1,600 kg / 3,527.4 lbs	2,300 kg / 5,070.6 lbs	3,200 kg / 7,054.8 lbs
Customs tariff number	84571090	84571090	84571090

Imperial measurements rounded to the nearest decimal.



Pair this machine
with Eplan ProPanel
for the fastest results!

You can find the contact details of all
Rittal companies throughout the world here.



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