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AS 4055.921

Perforex Milling Terminal MT 2101 S

State: 04/07/2026 (Source: rittal.com/sg-en)

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FRIEDHELM LOH GROUP



AS 4055.921 - Perforex Milling Terminal MT 2101 S

The Perforex Milling Terminal 2101 offers the greatest flexibility of the MT series. Supports machining of all compact and large enclosures.



Features

Model No.	AS 4055.921
Design	Enclosure machining Enclosure panel machining Patented pressure plate with integral extraction of the milling swarf High-performance spindle including minimal quantity lubrication Automatic tool testing DIN tools Pneumatic clamping device
Product description	The Perforex Milling Terminal is a 4-axis CNC machine used for modifying standard enclosures. It provides automated machining of enclosure panels and housings e.g. for holes, threads and cut-outs. The Perforex Milling Terminal 2101 offers the greatest flexibility of the MT series. It supports machining of all compact and large enclosures.

Features

Benefits	<p>Fast return on investment (ROI) and significantly enhanced competitiveness</p> <p>Short throughput times with consistently high machining quality</p> <p>Wire consistency with network-based software</p> <p>Easy to use with a clearly organised HMI and 24-inch screen</p> <p>Automatic tool change and integral tool length measurement</p> <p>Tool-friendly machining with minimal quantity lubrication system and plate</p> <p>Automatic swarf extraction when drilling and milling</p> <p>The high-performance spindle allows fast, precise, reliable machining</p> <p>Intuitive clamping system with pneumatic clamping device, optimised for enclosure components</p>
Supply includes	The Perforex MT S is configured on a project-specific basis
Machinable material	<p>Aluminium</p> <p>Steel</p> <p>Stainless steel</p> <p>Plastic</p> <p>Copper</p>
Machine options	<p>Signal pillar 4055.954</p> <p>Access from the right 4055.952</p> <p>Support arm system 4055.951</p> <p>Enclosure machining 2000 mm 4055.953</p> <p>Access from the left 4055.950</p> <p>Additional zero points for multi-part machining, vertically hinged 4050114</p> <p>Additional zero points for multi-part machining, plug-type 4050113</p>
Machine controller	<p>Order management with the Rittal Panel Processing Center (RiPPC)</p> <p>Operation with Rittal HMI</p>
Safety	<p>Security fence to DIN EN ISO 13857</p> <p>Optical protective device in front of and behind the machine</p> <p>Reliable braking of the axes even in the event of a power failure</p>
Interfaces	<p>Rittal Panel Processing Center (RiPPC)</p> <p>Eplan Pro Panel</p> <p>Rittal Configuration System</p> <p>Import of DXF data</p>
Note	We reserve the right to make technical modifications

Features

Support area	Width: 4,600 mm Height: 2,450 mm Depth: 3,750 mm
Compressed air connection	6 bar
Weight of workpiece, panel machining (max.)	250 kg
Weight of workpiece, enclosure machining (max.)	300 kg
No. of tool slots	21
Machining accuracy	± 0.2 mm
Speed X/Y-axis	60,000 mm/min
Speed Z-axis	12,000 mm/min
Spindle speed (max.)	21,000 rpm
Spindle performance (max.)	11 kW
Control voltage (DC)	24 V
Rated current max.	6.2 A
Rated operating voltage	3L+PE, 400 - 480 V, 50/60 Hz
Machining speed (max.)	1,500 mm/min
Dimensions of clampable enclosures min.	Width: 100 mm Height: 100 mm Depth: 140 mm
Dimensions of clampable enclosures max.	Width: 1,400 mm Height: 1,600 mm Depth: 1,600 mm
Dimensions of clampable enclosure panels min.	Width: 100 mm Height: 100 mm Depth: 1.25 mm
Dimensions of clampable enclosure panels max.	Width: 2,450 mm Height: 1,700 mm Depth: 5 mm

Features

Maximum machinable area for enclosure panels	Width: 2,200 mm Height: 1,700 mm
Maximum machinable area for enclosures	Width: 1,200 mm Height: 1,600 mm
Packs of	1 pc(s).
Net weight	2,300 kg
Gross weight	2,720 kg
Customs tariff number	84596110

Approvals

Explanations	Declaration of conformity
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