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AS 4055.921

Perforex Milling Terminal MT 2101 S

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IT INFRASTRUCTURE

SOFTWARE & SERVICES

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

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|---------------------|--|
| 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

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| 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

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| 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

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| 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

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| Explanations | Declaration of conformity |
|--------------|---------------------------|