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AS 4050.330

Laser centre Perforex LC 3030

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ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



AS 4050.330 - Laser centre Perforex LC 3030

Perforex laser centres are specifically designed for the automated mechanical modification of standard enclosures. The Perforex LC specialises in 3D laser machining of cubes and contactless, low-vibration machining. Machining of mounting plates including tapped holes is also supported.



Features

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|--------------------------|---|
| Model No. | AS 4050.330 |
| Product description | Perforex laser centres are specially designed for the automated mechanical modification of standard enclosures. The Perforex LC specialises in 3D laser machining of cubes and contactless, low-vibration machining. Machining of mounting plates including tapped holes is also supported. |
| Benefits | <ul style="list-style-type: none">3D enclosure machining without repositioning the workpieceNo tarnishing or discolouration of the cut edges when machining stainless steelSpray-finished metal parts, even those with delicate contours, can be cut without damaging the paint or causing discolourationProduct spectrum from compact to large enclosuresContactless, low-vibration machining with no tool wearNo need to clamp the workpiecesMachining speed with stainless steel 20x faster than with conventional milling processErgonomic working, thanks to the extendible support surface for enclosure and panel machiningSimultaneous machining of 5 sides |
| Technical specifications | <ul style="list-style-type: none">Laser pointer (auxiliary laser), beam power laser class 1Very narrow cutting width of just 0.3 mm (approx.)Class 4 laser |

Features

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| Supply includes | Laser centre Compressor Machine housing Filter system Operating unit |
| Machinable material | Stainless steel Sheet steel Aluminium |
| Machine controller | Workshop programming |
| Safety | Protective housing to achieve laser class 1. May be operated by properly trained personnel, no need for a laser specialist Security door |
| Interfaces | Eplan Pro Panel Transfer of DXF formats Rittal Configuration System |
| Note | Safety roof (4050.317) for machine housing is mandatory if the machine can be viewed from above A site inspection by a Rittal specialist to select and define the laser version required is necessary We reserve the right to make technical modifications |
| Support area | Width: 3,900 mm Height: 3,800 mm Depth: 10,500 mm |
| Beam power max. | 300 W (CW) or 3000 W (pulse) |
| Pulse energy (max.) | 30 J |
| Duration of pulse, max. | 50 µs at 300 W output |
| Wavelength | 1,070 nm |
| Maximum machinable material thickness, sheet steel | 3 mm |
| Maximum machinable material thickness, stainless steel | 3 mm |
| Maximum machinable material thickness, aluminium | 3 mm |
| Control voltage (DC) | 24 V |

Features

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|-------------------------------|---|
| Power consumption | 3 kW |
| Rated operating voltage | 400 V, 3~, 50 Hz |
| Max. machinable area of cubes | Width: 1,200 mm Height: 800 mm Depth: 2,250 mm |
| Packs of | 1 pc(s). |
| Net weight | 4,500 kg |
| Gross weight | 4,500 kg |
| Customs tariff number | 84561190 |
| ECLASS 8.0 | 36620404 |
| Product description | LC 3030 Perforex laser centre (300/3000 W), CNC-controlled 6-axis 3D laser centre |