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AS 4050.335

Laser center Perforex LC 3030

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ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



AS 4050.335 - Laser center Perforex LC 3030

Perforex laser centers are specifically developed 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



Features

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|--------------------------|--|
| Model No. | AS 4050.335 |
| Version | USA version |
| Product description | Perforex laser centers are specifically developed for the automated mechanical modification of standard enclosures. The Perforex LC specializes in the 3D laser machining of cubes in a contact-free and low-vibration manner. Machining of mounting plates including threaded holes is possible. |
| Benefits | <ul style="list-style-type: none">3D cube 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 and low-vibration machining without tool wearNo clamping of workpieces requiredWith stainless steel, work is completed 20 times faster than in the usual milling processErgonomic working due to extendible contact surface for enclosure and panel machiningSimultaneous machining of 5 surfaces |
| 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 center Compressor Machine housing Filter system Control unit |
| Workable material | Stainless steel Carbon steel Aluminum |
| Machine controller | Workshop programming |
| Security | Safety housing for compliance with laser class 1. May be operated by properly trained personnel, no laser specialist required. Security door |
| Interfaces | Eplan Pro Panel Transfer of DXF formats Rittal Configuration System |
| Note | Roof mounting (4050.317) of the machine housing is mandatory if the machine is visible from above. An on-site inspection by a Rittal specialist is required for selection and determination of the laser version. We reserve the right to make technical modifications |
| Support area | Width: 3,900 mm Height: 3,800 mm Depth: 10,500 mm |
| Radiant power max. | 300 W (CW) or 3000 W (pulse) |
| Pulse energy (max.) | 30 J |
| Max. pulse duration | 50 μ s at 300 W output |
| Wavelength | 1,070 nm |
| Max. material thickness that can be machined for sheet steel | 3 mm |
| Max. material thickness that can be machined for stainless steel | 3 mm |
| Max. machinable material thickness, aluminum | 3 mm |
| Control voltage (DC) | 24 V |

Features

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|-------------------------------|--|
| Rated power | 3 kW |
| Rated operating voltage | 400 V, 3~, 60 Hz |
| Max. machinable area of cubes | Width: 1,200 mm Height: 800 mm Depth: 2,250 mm |
| Packaging unit | 1 pc(s). |
| Net weight | 4,500 kg |
| Gross weight | 4,500 kg |
| Customs tariff number | 84561190 |
| ECLASS 8.0 | 36620404 |