

X/Y/Z CNC Base Units

GFM 4433



The isel-CNC base units of the series GFM 4433 are stable C-frame-type CNC machines made of lightweight profiles.

All linear axes run on grinded steel shafts with linear ball bearings. Clearance-free ball screw drives with hardened and polished 5/8"-16 spindles with a pitch of, optionally, 5 or 10 mm are used as drives.

The linear axes are driven by powerful and robust stepping motors in easy-to-maintain drive modules.

The machine table, which is firmly screwed with the underframe, is made of plan-milled precision T-nut profiles.

It provides optimal clamping possibilities for the most different and workpiece holders and devises.

The protective hood, which features Perspex-lined

glass and a swivelling door made of aluminium profiles, constitutes a closed working room with hood locking.

The complete control and power electronics is integrated into the underframe, wired ready for connection.

The PC control under Windows with RS 232 interface is executable on each standard PC.

The control offers three relay switching outputs, AC 230 V/50 Hz.

The isel-CNC base units of the series GFM 4433 are ideal for individually assembling applications in the fields: positioning, milling/drilling, graving, dosing, screwing, measuring, etc.

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Technical Data

| Travel range X-axis | Travel range Y-axis | Travel range Z-axis | Passage height (from lower edge z-axis) | Clamping table (W x D) | Dimensions (W x D x H) |
|------------------------|------------------------|------------------------|--|---------------------------|---------------------------|
| 330 mm | 430 mm | 160 mm | 200 mm | 375 x 900 mm | 780 x 1,010 x 1,740 mm |

Ordering Data

| Item no. | Description | Ball screw drive (mm) | Power electronics |
|--------------|---|-----------------------|-----------------------------------|
| 274 400 1001 | GFM 4433 | 16 x 10 | Integrated power electronics IMC4 |
| 274 400 1002 | GFM 4433 | 16 x 5 | Integrated power electronics IMC4 |
| Z13-337020 | Software isy®-CAM 2.5 light (available only in combination with a unit) | | |

Option: GFM 4433 base units are also available as OEM version without hood.