



ICP4030

The basis - third generation optimisation

- 4-axis stepper motor control
- more than 20,000 systems sold
- optimised Z-axis and increased passage
- ideally suited for vocational schools & training





ICP4030 | The basis

Thanks to the revised chassis, the third generation of the table-top machine ICP 4030 has become more service-friendly. The CNC machine is prepared for four-axis control.

The ICP 4030 offers the best conditions for the processing of plastic, wood and circuit board materials. For this reason, it is ideal for vocational schools, training companies, small series production and fabLabs.

Features

- powerful isel control with stepper motor technology
- reliable LES units with steel ball screws installed as drives
- network-compatible control PC with WIN 10
- user-friendly soft-lift hood
- clamping of the workpieces by means of a T-slot plate

Highlights

- little space required for installation

Options

- milling spindle from 500W to 1200W
- tool cooling as a cooling, spray, or air version (CoolMin)
- length measuring pushbutton
- tool breakage control
- vacuum clamping table
- maintenance unit equipped with a valve terminal
- base table equipped with swivelling screen and integrated keyboard
- the base table is used to install the vacuum pump, cooling device and other peripheral devices
- light-tight protective glass for laser applications

Technical data

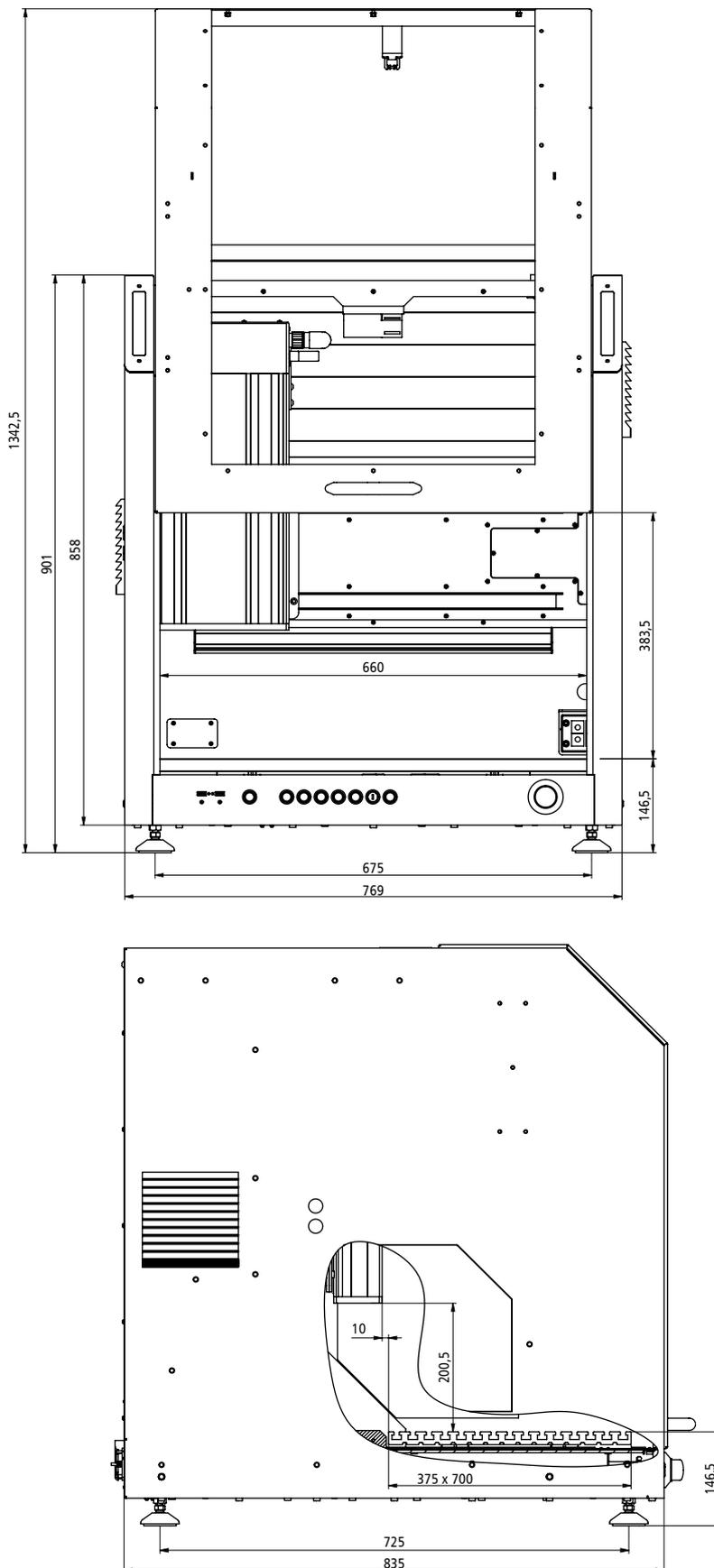
ICP4030

Travel ranges* X/Y/Z [mm]	400/300/140
Table clamping area WxD [mm]	700 x 375
Passage* [mm]	200
Dimensions WxDxH [mm]	769 x 836 x 901
Travel speed X/Y/Z [mm/s]	max. 6 m/min. (for KG drive 16x10) max. 3.6 m/min. (for KG drive 16x4)
Drive motors	Stepper motors
Drive elements X/Y/Z	Ball screw drives 16x10 / 16x10 / 16x10 mm, set without clearance (optional 16x4 mm in X/Y/Z)
Guides	Linear units equipped with precision steel shafts and recirculating ball slides, set without clearance
Control	Step controller iMC-P with 4 output stages 48V/4.2A, with an integrated control computer and power supply of 500 W with processor board
Operation	Function keys and emergency-stop
Software	WinRemote (optional: ProNC, isy 2.8), compatible with Windows® 10
Weight* [kg]	approx. 190 (plus approx. 110 kg base table)
Electrical specifications	230V, 16A
Scope of delivery	Mechanical accessories (including hand lever clamping device, stop rails, triangular, single-jaw, hook, Allen key, a 6-way table socket, connecting cable, and power supply)
Part No.	280270 0001*

*without installed components on the axes.



ICP4030 | Dimensional drawing [dimensions in mm]





ICP4030 | The base



Typical materials:

- foam and milled plastics
- wood, cork, wax
- plexiglass
- printed circuit boards
- and many more

Application areas:

- school and education
- prototypes and model making
- small batch production
- test equipment construction

