

## X/Y/Z CNC Base Units

### ICV 4030 with DC Servo Motor Drive



- Complete solution with
  - DC servo motors
  - DC power electronics
  - Control program
- Perfect for training and small series production
- For basic machinings like drilling, milling and engraving, customer applikations like dosing, measuring, Positioning, etc.
- For machining light metal, plastic, wood and printed circuit board materials
- Prepared for an exhauster
- Integrated DC power electronics for 4 axes
- Controllable by almost any standard PC with parallel port (EPP version 1.9).
- Extendable by 16 inputs and 8 outputs by using a „Multi-I/O“ board
- Complete solution from construction up to production by the optional CAD/CAM software package isy-CAM 2.5

The ICV 4030 is a further development of the proven ready-to-use 3D capable CNC machine CPV 4030.

The redeveloped, upward opening sliding hood can now be operated comfortably from sitting position.

As a consequence of the completely bolted chassis higher precision is the result of the structure of the machine as well as an improved ease of servicing compared to the welded chassis of the CPM series.

Furthermore the resonance and vibration behaviour could be optimized and thus a smaller noise development be achieved.

The only preconditions that are needed for working with the ICV 4030 are basic knowledge in CNC technology, general PC knowledge as well as basic knowledge in graphic programs!

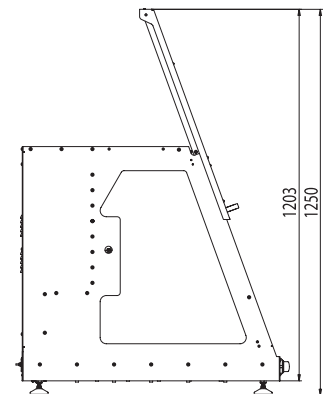
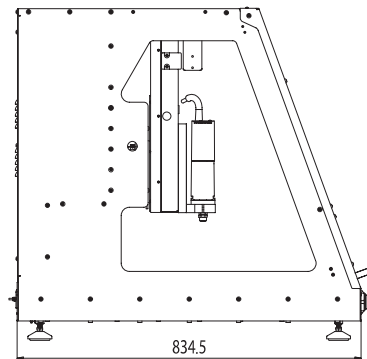
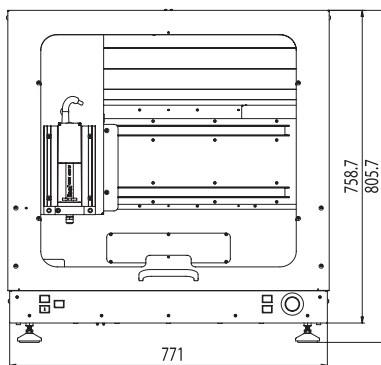
# X/Y/Z CNC Base Units

**ICV 4030**  
with DC Servo Motor Drive

## Technical Data

Type of construction	Chassis construction with protective hood
Design	Gantry system
Traversing range (X/Y/Z)	400/300/110 mm
Traverse rate (X/Y/Z)	> 80/80/80 mm/s with spindle 16 x 10 mm
Guides	Play-free precision steel shaft guides with bearing carriage
Passage height (lower edge Z axis)	170 mm
Clamping table surface (W x T)	600 x 375 mm
Weight (standard equipment)	approx. 130 kg
Control	Integrated 4 axis servo controller, EPP interface
Mode of drive	DC servo motors

## Dimensions



## Ordering Data

Item no.	Description
280225 2405	ICV 4030 with integrated power electronics, ball screw 16x5 mm, without spindle motor, without software, chassis colour RAL 7035/5022
280220 2405	ICV 4030 as described above, but with ball screw 16x10 mm
280110 9001	Exhauster for ICV 4030
280120 9012	Cooling/spraying device for ICV 4030
280120 9003	Engraving mat for ICV 4030
280120 9010	Length measuring sensor for ICV 4030
280120 9004	Workspace illumination for ICV 4030
420003 0500	Milling motor 500 W, 11.000...25.000 min <sup>-1</sup>
420003 1050	Milling motor 1050 W, 11.000...25.000 min <sup>-1</sup>
290903	Clamping block for drilling/milling machines
Z13-337020	isy-CAM 2.5 (light) 2,5D-CAD/CAM software
310705 1511	Spindle drive HSAH 2.05 SF, 500 W, 300...24.000 min <sup>-1</sup>
310705 2511	Spindle drive HSAW 2.05 SDF for automatic tool change, 500 W, 300...24.000 min <sup>-1</sup>
On request	Tool changing station, tenfold; isy-CAM 3.0; ProNC; RemoteWIN; control computer