

CNC machine

with servomotor drive

ICV 4030

Control unit
... with integrated
control computer.



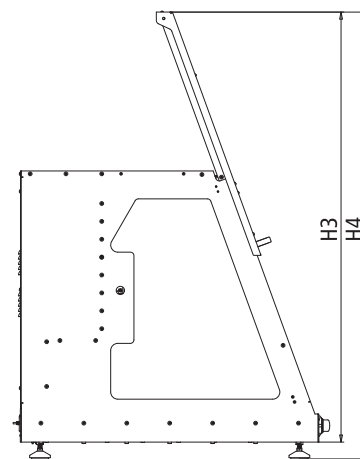
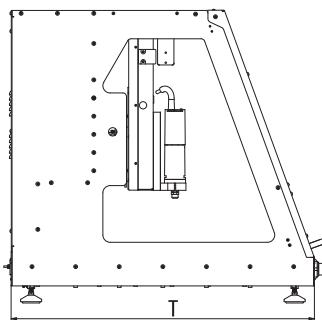
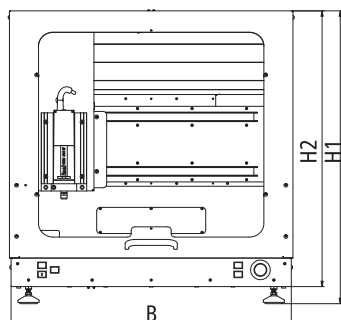
ICV 4030 with hood open

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Dimensioned drawings

		ICV 4030
Width W	[mm]	780
Depth D	[mm]	835
Height H1	[mm]	806
Height H2	[mm]	765
Height H3	[mm]	1203
Height H4	[mm]	1250



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General note

The ICV 4030 has been developed from the proven, 3D-enabled CNC machine CPV 4030, which is delivered ready for connection to the mains.

The sliding hood, opening upwards, can be operated conveniently from a sitting position. The completely bolted chassis produces higher precision when building the machine and is easier to service. In addition, it was possible to optimise the resonance and vibration behaviour and therefore lower noise build-up has been achieved. Prerequisites for working with the ICV 4030 are simply basic knowledge of CNC systems, general IT literacy and basic knowledge of graphics programs!

Technical specification

	ICV 4030
Traverse path X/Y/Z [mm]	395 x 300 x 100
Clamping table surface W × D [mm]	600 x 375
Throughput [mm]	150
Dimensions W × D × H [mm]	780 x 835 x 806
Guides	Linear units with precision steel shafts and recirculating ball slots, adjustable for no play
Processing speed X/Y/Z [mm/s]	200
Repeatability [mm]	± 0,02
Drive motors	Servomotors
Drive elements X/Y/Z	Recirculating ball transmission 16 × 10/16 × 10/16 × 10 mm clearance free adjustable (optional: 16 × 4 mm in X/Y/Z)
Controller	iMC CAN controller with 3 drive controllers, integrated control computer, I/O module, safety circuit and rest state monitoring Power supply unit 48V/1000 W
Operation	Function keys and emergency shutdown
Software	WinRemote (optional: ProNC, isy 2.5 PLUS)
Weight [kg]	appr. 120
Part no.	280230 4405 *

* The deliverables include an accompanying pack with mechanical accessories (*inter alia* Hand lever clamping device, stop rails, triangle wrench, open jaw wrench, hook wrench, Allen key, one 6-socket bench extension, connection lead, power lead)

Accessories

280220 9012	Cooling/spray device for ICV 4030
280120 9010	Length measurement probe for ICV 4030
280120 9004	Workspace lighting for ICV 4030
420003 0500	Milling motor 500 W, 11,000...25,000 r.p.m.
420003 1050	Milling motor 1050 W, 11,000...25,000 r.p.m.
280110 9001	Suction device for UFM 500/1050
280120 9003	Engraving mat, incl. adapter plate
Z13-337030	isy-CAM 2.5 Plus
Z11-333500	ProNC Software
310704 1631	iSA 500 spindle motor up to 30,000 rpm, 500 W, with frequency converter, CoolMin tool cooling system, ER 11 clamping ring and motor lead
310707 1631	iSA 750 spindle motor up to 24,000 rpm, 750 W, with frequency converter, CoolMin tool cooling system, ER 16 clamping ring and motor lead
280210 9001	Suction device for iSA 500/iSA 750
280000 0046	Fixing plate for main spindle drive

Note:

Vacuum clamping plates can be clamped in sizes A5 - A3. (see page E31)