

CNC machines

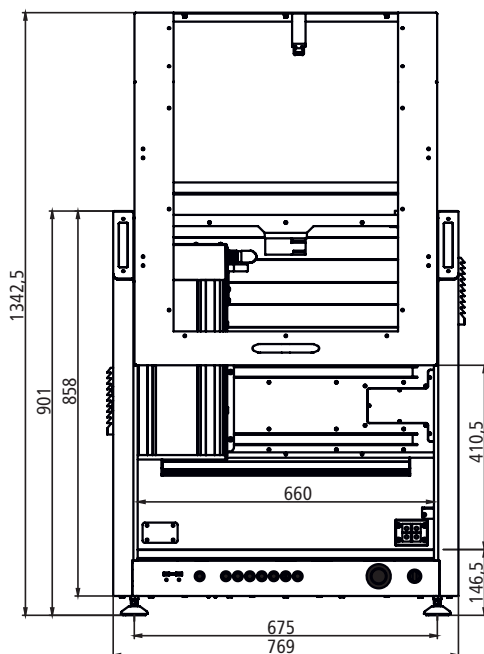
with servo motor drive

ICV 4030

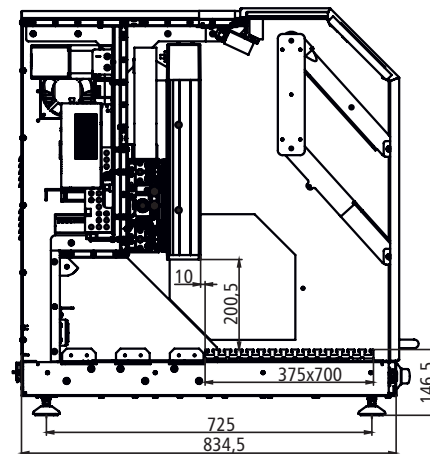


- Features**
- compact entry-level model in the servo area
 - low maintenance
 - control with integrated PC controller
 - complete machine under € 10,000

Dimensioned drawings



view from the front



view from the side

machine bench

W 1500 D 1000 H 750

Part-no. 248550 0013

CNC machines

with servo motor drive

ICV 4030

General

Our ready-to-use desktop machine ICV 4030 has been proven for years in practice and will be presented in a completely new design at the beginning of the year. The newly designed machine door with improved hood opening allows a longer travel range in the Z-axis, and therefore a higher passage. Due to the redesigned machine hood and the resulting greater access opening, a 4th axis can now be integrated easily. Maintenance-free EC servo motors are used as drive, the reliable linear unit LES 5 is used in the X-axis. Furthermore, the universal control PC iPC 25 is installed. The central lubrication makes the machine overall more service-friendly. Also additional signal lamps were integrated.

Technical Data

	ICV 4030
Processing areas X/Y/Z [mm]	400 x 300 x 140
Bench clamping area WxD [mm]	700 x 375
Gap [mm]	200
Dimension WxDxH [mm]	769 x 836 x 901
Guides	Linear units with precision steel shafts and recirculating ball slots, adjustable for no play
Processing speed X/Y/Z [mm/s]	max. 200
Repeat accuracy [mm]	± 0,02
Drive motors	Servo motors
Drive elements X/Y/Z	Recirculating ball transmission 16 x 10 / 16 x 10 / 16 x 5 mm adjustable for no play
Control	iMC CAN controller with 4 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 2.8)
Weight (kg)	approx. 150
Part-No.	280260 0001

Accessories

310704 1631	Spindle motor iSA 500 with CoolMin, frequency converter
310707 1631	Spindle motor iSA 750 with CoolMin, frequency converter
310709 3612	Spindle motor iSA 900 with frequency converter
239170 0001	Collets ER 11 for iSA 500 and iSA 900, 13-piece, Ø 1-7 mm
239171 0001	Collets ER 16 for iSA 750, 10-piece, Ø 1-10 mm
239011 0053	Tool changing station 5-fold linear changer, for SK 11 tool holders
239111 0001	Tool holder SK 11 for collets ER 11
280120 9010	Length measuring sensor
239012 0000	Dust extraction for ISA 500/750, opening manually
239012 0004	Dust extraction for ISA 900, opening pneumatically
269100 0030	Tailstock unit RE-XS for rotary axis RDH-XS
266000 0200	Rotation unit RDH-XS, HD transmission U = 1: 101, full-wave design, servo drive
269060 4065	Three-jaw chuck
216601 0017	Vacuum clamping plates VakuFit L, 210 x 150 mm, with holes System
290014	Clamping elements set mechanically
Z13-337070	isy-CAM 2.8
Z11-333500	ProNC Software

Technical specifications subject to change.