

# CNC machine with servo motor drive

# ICV4030EC



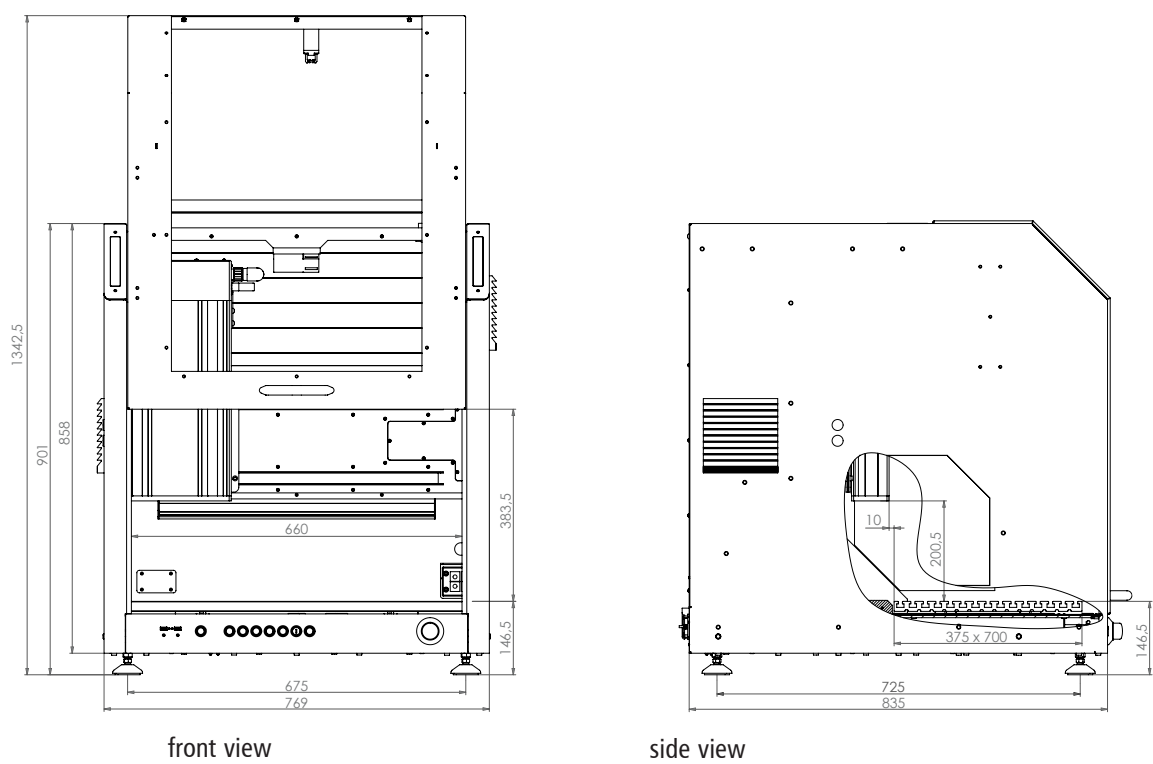
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- Features**
- compact entry-level model in the servo area
  - low maintenance
  - Control with integrated PC controller
  - Complete machine from € 10,000

ICV 4030 EC with machine stand

## Dimensioned drawings



front view

side view

# CNC machine

## with servo motor drive

# ICV4030EC

Our ready-to-use desktop machine ICV 4030 EC has been proven for years in practice and will be presented now in a completely new design. 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 specifications

	ICV 4030 EC
Processing areas X/Y/Z [mm]	400 x 300 x 140
Bench clamping area WxD [mm]	700 x 375
Gap [mm]	200
Dimensions WxDxH [mm]	769 x 836 x 901
Guides	linear units with precision steel shafts and ball recirculation carriage, 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	Ball screws 16 x 10 / 16 x 10 / 16 x 5 mm adjustable for no play
Controller	CAN-Controller iMC with 3 drive control modules, integrated control computer, I/O module, safety circuit and standstill monitoring, power supply 48 V / 1,000 Watt
Operation	function keys and emergency stop
Software	WinRemote (optionally: ProNC, CAD/CAM isy 2.8)
Weight (kg)	approx. 150
Item-No.	<b>280260 0001</b>

Overview machine configuration  
see page E-20

## Accessories

680670 9300	machine stand, RAL 7016/3003
442107	monitor support - WLB511, VESA 100 x 100, wall mounting / gas spring
442057	23.6" LED-monitor
370321 2003	metal industrial keyboard with touchpad and 105 Keys, USB-interface, IP68
310704 1631	spindle motor iSA 500 with frequency converter
310707 1631	spindle motor iSA 750 with 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, opened manually
239012 0004	dust extraction for iSA 900, opening pneumatically
429116 1000	cooling spraying system with one nozzle
266000 0200	rotation unit RDH-XS, HD transmission U=1:101, full-wave design, servo drive
269100 0030	tailstock unit RE-XS for rotary unit RDH-XS
269060 4065	three-jaw chucks
216601 0017	vacuum clamping plates VakuFit L, 210 x 150 mm, with hole grid system
290014	clamping elements set, mechanically
Z13-337070	isy-CAM 2.8
Z11-333500	ProNC Software