

Technical data



AC Progress VP2



AC Progress VP3



AC Progress VP4

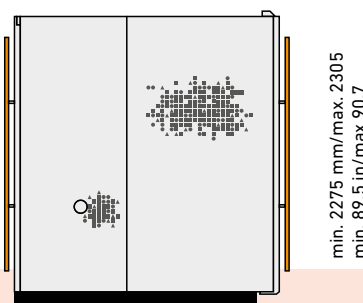
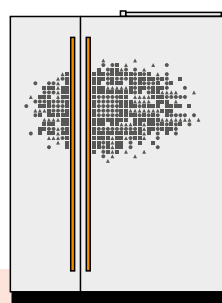
		AC Progress VP2	AC Progress VP3	AC Progress VP4
Travels				
X/Y/Z axes	mm	350 x 250 x 256	500 x 350 x 426	800 x 550 x 525
	in	13.77 x 9.84 x 10	19.7 x 13.77 x 16.8	31.5 x 21.65 x 20.67
Max. speed X/Y	m/min.	3	3	3
	ft/min.	9.84	9.84	9.84
U/V axes	mm (in)	±70 (± 2.7)	±70 (± 2.7)	800/550 (31.5/21.65)
Max. taper angle <°/height	mm (in)	30°/100 (30°/3.93)	30°/100 (30°/3.93)	30°/500 (30°/19.68)
Dual measuring System for X/Y axes		Standard	Standard	Standard
Work area				
Max. workpiece dimensions *	mm	750 x 550 x 250	1050 x 650 x 420	1300 x 1000 x 510
	in	29.5 x 21.6 x 9.8	41.3 x 25.6 x 16.5	51.9 x 39.3 x 20
Max. workpiece weight: with bath / without bath	kg	200/450	400/800	3000
	lbs	440/992.08	880/1763.70	6613.86
Accessibility		Front	Front/Top	Front/Top
Frontal drop door		Manual	Manual	Manual
Universal clamping frame for best utilisation of the work zone		Standard	Standard	Standard
Machining in bath	mm (in)	250 (9.84)	420 (16.54)	525 (20.67)
Wire threading system				
Agiejet threadable height	mm (in)	Up to 250 (9.84)	Up to 420 (16.5)	Up to 525 (20.67)
Threading nozzle	ø mm (in)	2 (0.07)	2 (0.07)	2 (0.07)
		1 (0.039) Option	1 (0.039) Option	1 (0.039) Option
		0.6 (0.0234) Option	0.6 (0.0234) Option	0.6 (0.0234) Option
Wire threading in small holes and start hole search function ≤0.10 mm		Option	Option	Option
Wire guides: standard equipment	ø mm	0.15-0.33	0.15-0.33	0.15-0.33
	ø in	0.0059-0.0129	0.0059-0.0129	0.0059-0.0129
Kit 70: extension kit	ø mm	0.07-0.10	0.07-0.10	0.07-0.10
	ø in	0.0027-0.0039	0.0027-0.0039	0.0027-0.0039
Kit 50: extension kit	ø mm	0.05-0.10	0.05-0.10	
	ø in	0.0196-0.0039	0.0196-0.0039	
Combination wire guide system	"V" guide Toroid guide	Cylindrical up to 2° 2° up to 30°	Cylindrical up to 2° 2° up to 30°	Cylindrical up to 2° 2° up to 30°
Increased accuracy in tapered cut AGIECONIC PLUS		Option	Option	Option
Wire drive, wire spool	kg	Up to 25	Up to 25	Up to 25
Wire disposal		Chopper	Chopper	Chopper

* Width x depth x height

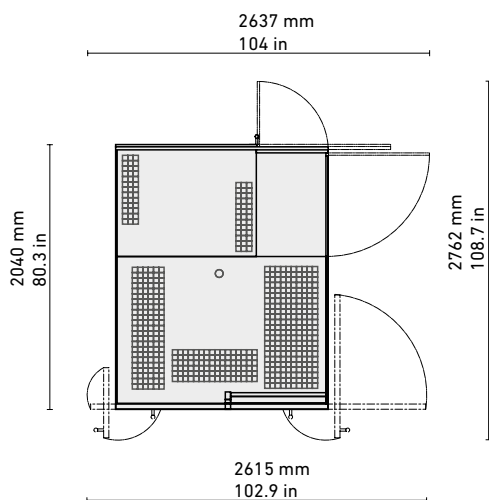
		AC Progress VP2	AC Progress VP3	AC Progress VP4
Generator				
High power generator IPG-VPC integrated	~ A	60	60	60
Wide range of tested technologies for commonly used workpiece materials		Standard	Standard	Standard
Max. cutting rate with CCS Ø 0.33 mm wire	mm ² /min. in/h	> 500 > 47	> 500 > 47	> 500 > 47
Finishing quality, best roughness	µm Ra µin	0.2 8	0.2 8	0.2 8
Best Ra with SF modul, finishing power module (option)	µm Ra µin	0.1 4	0.1 4	0.1 4
Duotec, technology for the use of two wires type in a single contour		Standard	Standard	Standard
PCD Module, machining of PCD disks or cutting tools		Option	Option	Option
Smoothsurf, best surface homogeneity, uniformity of the eroded surfaces		Standard	Standard	Standard
Correction of the cylindrical residual error, AWO (Advanced Wire Offset)		Standard	Standard	Standard
Dynamic path optimisation and process adaptation in the radii DCC		Standard	Standard	Standard
Real time detection and correction of the wire bending WBC		Standard	Standard	Standard
Automatic power optimisation Variocut		Standard	Standard	Standard
Prodtec: technology for highest productivity		Standard	Standard	Standard
Dielectric conditioning unit				
Dielectric conditioning unit integrated	l (us gal)	750 (200)	1000 (264)	1600 (423)
Filter cartridges 4 canisters with 8 cartridge filters		Standard	Standard	Standard
Filtrate quality	µm (µin)	5 (197)	5 (197)	5 (197)
Deionizing				
Deionizing bottle charge volume	l (us gal)	10 (2.64) 30 (7.92) Option	10 (2.64) 30 (7.92) Option	10 (2.64) 30 (7.92) Option
Cooling				
Generator and control unit with air / water, and dielectric with water / water heat exchanger		Standard	Standard	Standard
System				
System dimensions *	mm in	1640 x 2040 x 2220 64.5 x 80.3 x 87.4	1940 x 2300 x 2600 76.4 x 90.5 x 87.4	2900 x 3050 x 2850 114.2 x 20.1 x 112.2
Net weight	kg (lbs)	2580 (5688)	3460 (7628)	6000 (13228)
Weight ready-to-run	kg (lbs)	ca. 3350 (7385)	ca. 4200 (9260)	ca. 11000 (24250)
* Width x depth x height				
Interface for automation (only AC Progress VP2)				
Basic equipment for handling devices		Automation		
Communication interface for handling devices		Robotcommand		
Communication interface for cell computer connection		Hostcontrol		
Connections				
Line power		12.1 kW		
Line voltage		3 x 400 V		
Compressed air		6 bar, 5 m ³ /h (85 psi, 6.54 yd ³ /h)		
Cooling capacity required		9-11 kW		

Control unit integrated, modules and functions

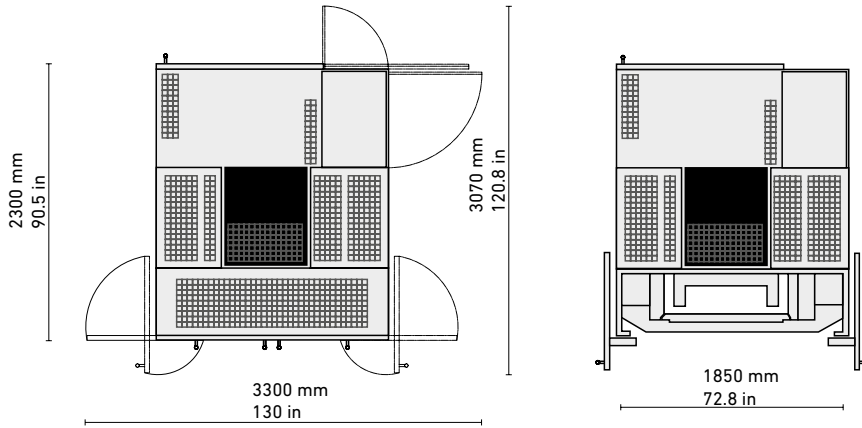
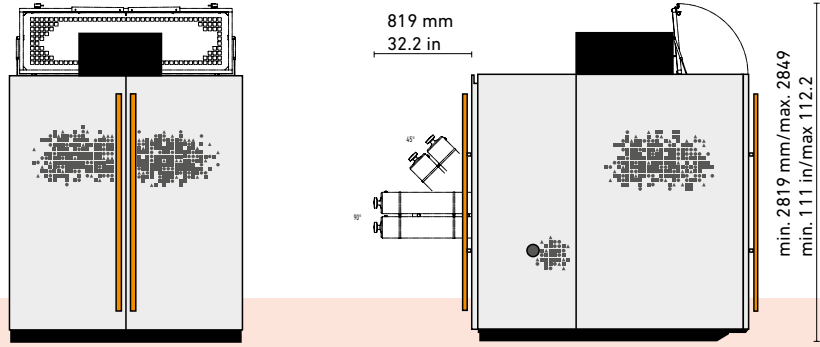
Remote control with all setup functions	Agiejogger with electronic handwheel and LCD display
Operator interface system	15"-LCD-display, Keyboard and mouse
Control unit integrated	Agievision object oriented man-machine interface
Operating system	Multitasking Windows XP
Operating mode	Multiprocessor
CPU's	Pentium for CNC and operator interface
Servocontrolled axes	X/Y/Z/U/V
Supplementary servocontrolled axis	A axis
Smallest programmable step	0.0001 mm (0.000004 in)
Easy preparation of machining programs	Easywork
Automatic pickup cycles	Agiesetup 3D, for automatic determination of workpiece plane and position
Automatic technology selection based on machining objectives	Teccut
Import of job-specific data from CAD/CAM systems	Camlink
Predefined machining strategies	Autosequence
Predefined and user defined machining strategies	Usersequence
Simple 2D on-board geometry programming	IGES files Agiegeo with import of DXF and IGES files
Import in Agiegeo of third party ISO codes	Agiegeo Isoconverter
Quickly insert rush orders without effort	Pieceinsert
DNC port with Xon/Xoff and LSV2 protocols	DNC
Help functions, explanations with text and graphics	Help and online manual
Machining simulation 2D and 3D view	Graficheck
Automatic instructions and commands execution	Easyrun
Automatic machining sequence definition	Lotto for multiple workpieces clamping
Rethreading on wire break/on «no- thread» detection restart after power failure Rescue strategies	
Languages	English, CN, CZ, DE, DK, ES, FR, HU, IT, JP, NL, PL, RU, US, SE
Storage capacity	> 40 GB HD, 1 GB Ram
Interfaces	2 x RS232C, 1 x parallel, 1 LAN (Local Area Network), 1 USB
Data storage media	CD/DVD-ROM for updates and on line manual, floppy-disk, USB

AC Progress VP2

min. 2275 mm/max. 2305
min. 89.5 in/max. 90.7



AC Progress VP3



AC Progress VP4

