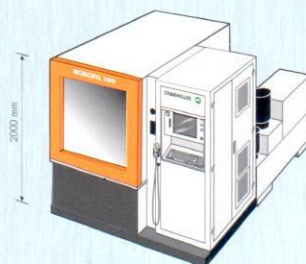
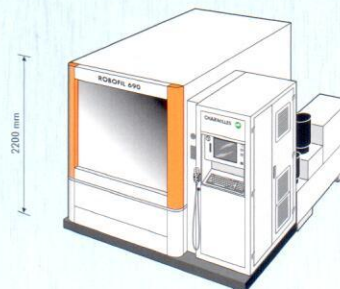


Technical specifications

ROBOFIL 380/690



ROBOFIL 380



ROBOFIL 690

Machine

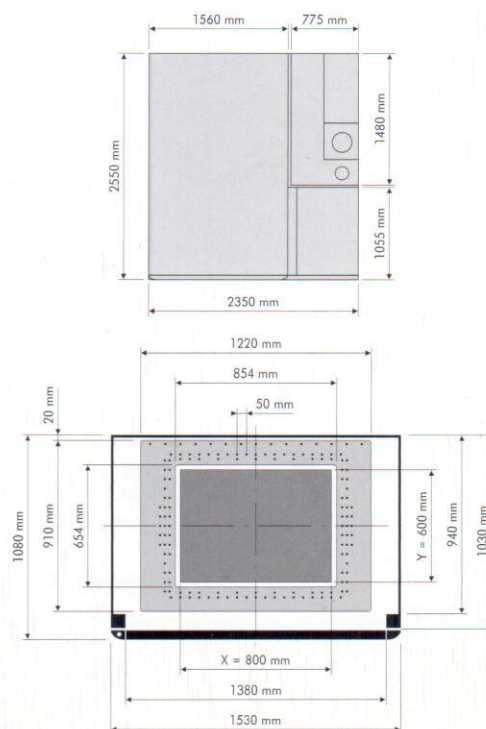
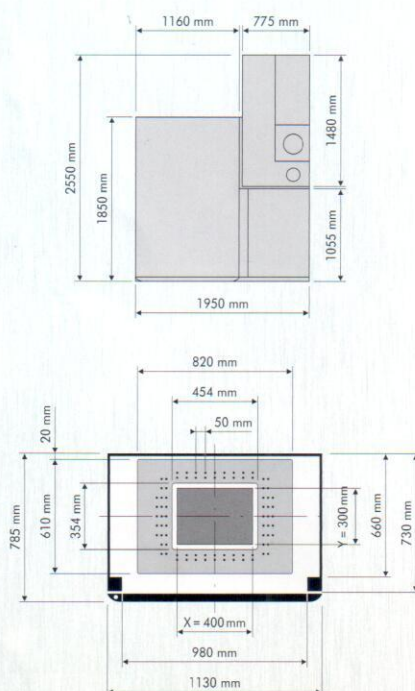
Type of machining		Flushing wire cutting	Flushing wire cutting
Dimensions of the equipment (width x depth x height)	mm	1950 x 2550 x 2000	2350 x 2550 x 2200
Total weight of the equipment (without dielectric)	kg	3250	4840

Work area

Maximum part dimensions (width x depth x height)	mm	980 x 730 x 250	1380 x 1000 x 400
Maximum part weight	kg	1000	2000
Dimensions of the table	mm	820 x 610	1220 x 910
Floor-to-table distance	mm	1000	1000
Total volume of dielectric	l	250	250

X, Y, Z and U, V axes

X, Y, Z travel	mm	400 x 300 x 250	800 x 600 x 400
U, V travel	mm	± 30	± 30
Maximum taper angle	°/mm	± 15/110	± 15/110
Collision protection		Standard on 5 axes	Standard on 5 axes



Technical specifications

ROBOFIL 380/690

Electrical supply

Incoming 3-phase voltage	V	380/400
Total power consumed	kVA	10

Wire circuit

Standard diameters of wire	mm	0.25
Optional diameters of wire	mm	0.1, 0.2, 0.3
Type of wire guides		Closed diamond type without clearance
Weight and type of permissible spool (DIN)	kg	1.6 (K100), 3.5 (K125), 6.5 (K160), 8 (K160)
Weight and type of permissible spool (JIS)	kg	3 (P3), 5 (P5)
Wire tension	daN	3 to 25
Automatic wire threading for wire	mm	0.1, 0.2, 0.25, 0.3
Heat exchange water/water		Standard

Dielectric

Paper filter cartridge		2 cartridges
Total volume of deionization resin	l	20
Maximum injection pressure		4 levels (programmable)

Programmable generator

Cutting speed	mm ² /min	240
Minimum surface finish	μm Ra	0.28

Numerical control

Device for measuring movements	Linear glass scales
Servomotors	AC type
Architecture	Multiprocessors PC-based
Operating system	Windows NT®
Processors	Pentium®
Screen	LCD 12" TFT
Data input	Touch screen
Keyboard	Alphanumeric, standard PC style
Remote control	Standard
Capacity of hard disk	10 GB
Floppy disk	1.44 MB
PCMCIA port	Standard
CD-ROM	Standard
Ethernet port	Standard
Parallel port	Standard
Serial port RS 232	Standard

NC functions

File management
Extended ISO
Text editor
Graphic check
Measurement cycle
Manual mode
CT-EXPERT
On-board documentation
Program execution
Info screens
DSF, Dynamic Screen Function

Options

EJECT-100		
Kit for wire	mm	0.1
Large spool	kg	16 (K200), 10 (P10)