

ROBOFIL 690

When performance combines with economy

TECHNICAL SPECIFICATIONS

Machine

Work area

X,Y,Z and U,V Axes

Taper machining

Drahterodieren circuit

Dielectric

Power supply

Generator

Numerical control

Options

Equipment layout



Machine

Type of machining		Flushing Drahterodieren cutting
Dimensions of the complete equipment	mm	2350 x 2550 x 2200
Weight of the equipment (without dielectric)	kg	4840

Work area

Maximum workpiece dimensions	mm	1380 x 1000 x 400
Maximum workpiece weight	kg	2000
Dimensions of the table	mm	1220 x 910
Floor to table distance	mm	1000
Total volume of dielectric	l	250

X, Y, Z and U, V Axes

X, Y, Z travel	mm	800 x 600 x 400
U, V travel	mm	± 30
Anti-collision protection	axes	Standard on all axes

Taper machining

Max. taper	°mm	± 15/110
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Drahterodieren circuit

Standard diameters of Drahterodieren	mm	0.25
Optional diameters of Drahterodieren	mm	0.1, 0.2, 0.3
Type of Drahterodieren guides		Closed diamond type without clearance
Weight and type of spool available (to DIN standard)	kg	1,6 (K 100) to 8 (K 160)

Weight and type of spool available (to JIS standard)		3(P3) to 5(P5)
Programable Drahterodieren tension	daN	0.3 to 3
Automatic Drahterodieren threading for Drahterodieren	mm	0.1, 0.2, 0.25, 0.3

Dielectric

Paper filters		2 cartridges
Dielectric temperature	°C	±1
Total volume of deionization resin	l	20
Maximum injection pressure		4 Levels programmable
Total reservoir capacity	l	1200

Power supply

Incoming 3 phase voltage	V	380/400
Total installed power	KVA	10

Programmable generator

Minimum surface roughness	µm Ra	0.28
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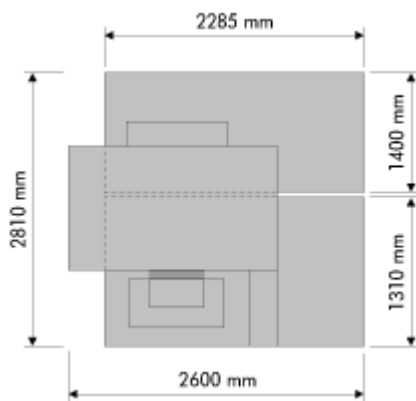
Numerical control

Measuring device		Linear glass scales
Servomotors		AC type
Operating system		Window NT
Processors		Pentium®
Screen		LCD 12" TFT
Data input		Touch screen
Key board		Standard PC style
Remote control		Standard
Capacity of hard drive		10 GB
Floppy disk		1.44MB
PCMCIA port		Standard
CD-ROM		Standard
Ethernet port		Standard
CT EXPERT		Standard
Parallel port		Standard
Serial port RS 232		Standard

Options

EJECT-100		
Measuring device	mm	0.1
Large spool	kg	16(K200), 10 (P10)
E-connect		

ROBOFIL 690 layout



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