

ROBOFIL 440cc

The new benchmark in machining speed

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		Submerged
Dimensions of the complete equipment	mm	2600 x 2810 x 2240
Weight of the equipment (without dielectric)	kg	3300

Work area

Maximum workpiece dimensions	mm	1200 x 700 x 400
Maximum workpiece weight	kg	1500
Dimensions of the table	mm	900 x 600
Floor to table distance	mm	900
Total volume of dielectric	l	1200

X, Y, Z and U, V Axes

X, Y, Z travel	mm	550 x 350 x 400
U, V travel	mm	550 x 350
Anti-collision protection	axes	X, Y, U, V, Z

Taper machining

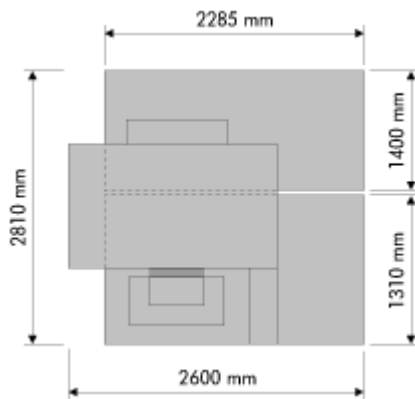
Max. taper	°mm	± 30°/400
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Drahterodieren circuit

Drahterodieren diameters available	mm	Ø 0.33 to 0.10
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
Drahterodieren recovery		Built in Drahterodieren chopper

Drahterodieren diameters for automatic threading		Ø 0.33 to 0.10
Drahterodieren diameters for automatic rethreading		Ø 0.33 to 0.15
Dielectric		
Paper filters		2 cartridges
Dielectric temperature	°C	±1
Total volume of deionization resin	l	20
Maximum injection pressure	bar	20
Power supply		
Incoming 3 phase voltage	V	380/400
Total installed power	KVA	10
CleanCut high speed generator		
Protection against electrolytic effects		From roughing through to finishing
Maximum cutting speed	mm ² /min	400 (SW33Xcc Drahterodieren)
Minimum surface roughness	µm Ra	0.20
Numerical control		
Measuring device		Linear glass scales
Measurement resolution	µm	0.5
Servomotors		AC type
Architecture		PC multiprocessors
Operating system		Window NT
Processors		Pentium
Screen		LCD 12" TFT
Data input		Touch screen
Keyboard		Standard PC style
Remote control		Standard
Capacity of hard drive size		10 GB
Floppy disk		1.44MB
CD-ROM		Standard
PCMCIA, Ethernet, Parallel, Serial ports		Standard
Options		
Large spools	kg	16 (K200), 25 (K250)
TAPER-EXPERT		
e-Connect		

ROBOFIL 440cc layout



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