

ROBOFIL 390

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- Filling and draining in 0 seconds
- A simpler process for greater saving
- Outstanding ergonomic design
- Protected from splashing
- CNC with integrated PC and touch screen
- Dynamic Screen Function (DSF)
- e-doc: on-board documentation
- ThermoCut® system for fast threading without maintenance

Machine

Type of machining		Flushing wire cutting
Dimensions of the equipment (W x D x H)	in	76.77" x 100.39" x 78.74"
Weight of the equipment (without dielectric)	lbs	7165

Work Area

Maximum workpiece dimensions	in	38.58" x 28.74" x 9.84"
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Maximum workpiece weight	lbs	2204
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Dimensions of the table	in	32.28" x 24.0"
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Floor to table distance	in	39.37"
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Total volume of dielectric	l	66
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X,Y,Z and U,V Axes

X, Y, Z travel	in	15.75" x 11.81" x 9.84"
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U, V travel	in	± 30
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Maximum taper angle	°/in	± 15/4.33"
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Collision protection		Standard on all axes
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Electrical supply

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

Standard diameters of wire	in	0.010"
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Optional diameters of wire	in	0.004", 0.008", 0.012"
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Type of wire guides		Closed diamond type without clearance
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Weight and type of spool available (to DIN standard)	lbs	3.5 (K 100) to 17.64 (K 160)
Weight and type of spool available (to JIS standard)		3(P3) to 5(P5)
Wire tension	lbs	3 to 25
Automatic wire threading for wire		0.004", 0.008", 0.010", 0.012"
Dielectric		
Paper filter cartridge		2
Dielectric temperature	°C	±1
Capacity of deionization bottle	gal	5.28
Maximum injection pressure	bar	4 Levels programmable
Total reservoir capacity	gal	317
Programmable generator		
Maximum cutting speed	in ² /min	28
Minimum surface roughness	μm Ra	0.28
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 size	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

NC functions

File management

Extended ISO

Text editor

Graphic check

Mesurement cycle

Manual mode

CT-EXPERT

On-board documentation

Program execution

Info screens

DSF, Dynamic Screen Function

Option

EJECT-100

Measuring device	in	0.004"
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Large spool	lbs	35.27(K200), 22.04 (P10)
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The technical data are not binding. They are not warranted characteristics and are subject to change.

Please consult the General Sales Conditions of Charmilles Technologies USA.

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