

ROBOFORM 35P

A concentration of know-how**TECHNICAL SPECIFICATIONS**

Machine

X, Y, Z axes

Work area

Electrode and
workpiece

Dielectric system

Modules

Power supply

Generator

Numerical control

QCRi. Option

Equipment layout



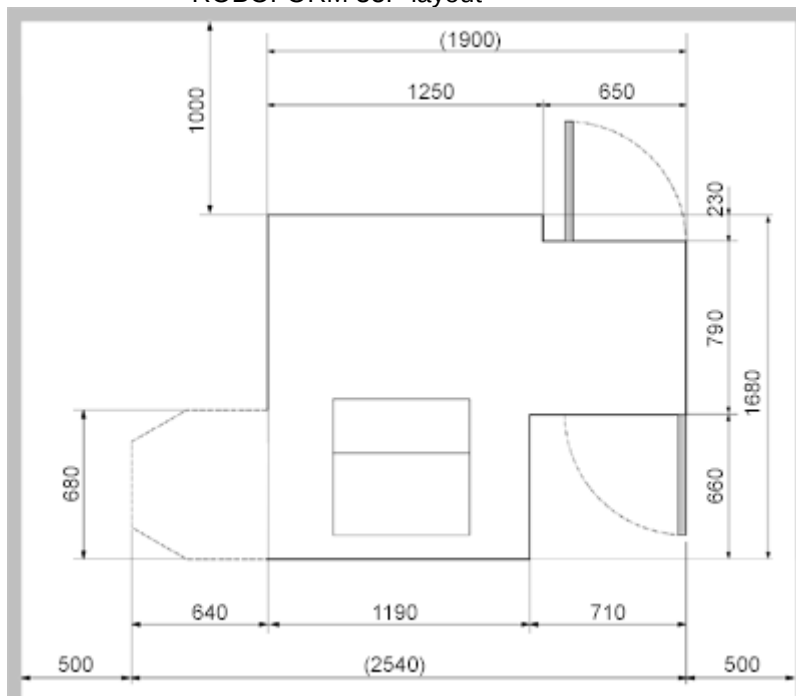
Machine

Architecture		Compact machine with fixed table
Dimensions (Width x depth x height)	mm	1900 x 1690 x 2522
Total weight (without dielectric)	kg	2800
Complies with "Machines, Safety and Health" directive		89/392/CEE
Complies with "Electromagnetic Compatibility" directive		89/336/CEE
X, Y, Z axes		
X, Y, Z travel	mm	350 x 250 x 300
Movement measurement system		linear glass scale
X, Y, Z measurement resolution	mm	0.0001
Work area		
Tank type		Drop tank
Tank dimensions (Width x depth x height)	mm	800 x 550 x 370
Min./max. dielectric level	mm	100/325 programmable
Table dimensions	mm	500 x 400
T-slot dimensions (number)	mm	12 (3)
Electrode and workpiece		
Max. electrode weight	kg	50
Max. workpiece weight	kg	500
Max. workpiece dimensions (Width x	mm	780 x 530 x 300

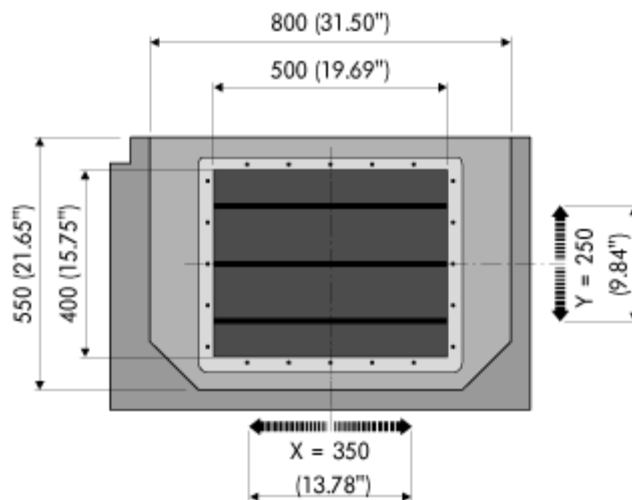
depth x height)			
Min./max. distance between table and chuck	mm	150/450	
Dielectric system			
Filter type		4 built in paper cartridges	
Reservoir capacity	l	450	
Modules			
C axis (optional)	Max. electrode inertia	kg x cm ²	2000
	Measurement resolution	degree	0.001
Spindle chuck (optional)	System 3R Mecatool Erowa Hirschmann		Macro/Combi GPS70 ITS/ITS-Compact H8.11.7
Tool changer (optional)	Linear (standard tooling)		4 pos Ø75 x 425 mm
	Linear (Combi tooling)		5 pos Ø60 x 425 mm
	Rotary (standard tooling)		16 pos Ø75 x 250 mm
	Rotary (Combi tooling)		32 pos Ø36 x 250 mm
Multicavity flushing (optional)		6 outputs	
Additional power module		-	
Adapter kit for external robot		optional	
K-HM		optional	
Z-AC		optional	
Programming system on PC		standard	
Autorestart		standard	
HS-EDM		standard	
Power supply			
Incoming 3 phase voltage	V	400	
Main network frequency	Hz	50 or 60	
Generator			
Type		ISOPULSE	
Standard machining current	A	64	
Minimum surface roughness	µm Ra	0.20	
PILOT-EXPERT 2 and 3: Optimization and automatic monitoring of machining parameters			
		Standard	
POWER CONTROL EXPERT: Machining current, self-adapting according to electrode geometry			
		Standard	
MICRO-MACHINING: Monitors electrode wear in applications of small dimensions			
		Standard	
SPAC®: Protection against short circuits (CT patent)			
		Standard	
Numerical control			
Screen		CRT 14" color	

Remote control	Standard
Floppy disk	1.44 MB
PROGRAM-EXPERT: Automatic program generation and adjustment of the generator on the NC	Standard
Autorestart /Polishing Ra 0.1 μm (CH 0)*/Contouring / M functions /Machine autodiagnostic /DNC1 and DNC3 communication interface / Servo-controlled thermostabilization $\pm 1^\circ$	Standard
QCRI.2 Option	
Robot dimensions (Width x depth x height)	mm 1300 x 2090 x 2480
Robot weight	kg 930
Max. electrode weight	kg 20
Max. pallet weight	kg 50
Magazine configuration (electrode/pallet)	54/4 ; 54/8 ; 90/4
Choice of tooling	System 3R/Mecatool/Erowa

ROBOFORM 35P layout



ROBOFORM 35P work area



The technical data are not binding. They are not warranted characteristics and are subject to change.

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