

WIRE EDM EXCETEK V1280/600 YEAR OF MANUFACTURING 2018



TECHNICAL DATA

Maximum workpiece dimensions:	mm 1,550 × 1,200 × 595
Maximum workpiece weight:	kg 4,000
X and Y axis travels:	mm 1,200 × 800
U and V axis travels:	mm 260 × 260
Z axis travel:	mm 600
Acceptable wire diameter:	mm 0.20 – 0.30
Simultaneously controlled axes:	4 (X, Y, U, V)
Drive motors:	AC motors on all 5 axes
Maximum taper:	30° over 100 mm
Machine weight:	kg 9,600

Filtration System

Tank capacity:	L 3,000
Conductivity control system:	Automatic
Resin capacity:	L 14
Temperature control:	Automatic
Dielectric cooling system:	Refrigeration unit

Generator

Power circuits:	AC MOSFET
Minimum achievable surface roughness:	Ra 0.35
Cutting speed:	360 mm ² /min (Ø 0.30 mm brass wire)
Automatic wire threading:	Standard
Power supply:	400 V, three-phase

CNC Control

Hardware:	64-bit industrial PC
Memory:	1 GB
Display:	15" TFT touchscreen
Data input:	Keyboard, RS-232, floppy disk, LAN,
USB	
Positioning system:	Closed-loop servo-controlled
Number of controlled axes:	5 (X, Y, U, V, Z)
Minimum programmable increment:	0.0001 mm

Machine equipped with

- Optical scales on X and Y axes
- 600 mm Z axis
- Wire spool holder for coils up to 50 kg
- No. 1 guide set for Ø 0.25 mm wire
- No. 1 guide set for Ø 0.30 mm wire
- Taper cutting system
- Automatic wire threading and automatic re-threading after wire breakage
- Universal drilling-pattern clamping frame
- 64-bit CNC control with 16 GB memory
- AC power generator with anti-electrolysis device
- Automatic technology generation
- Serial interface, floppy disk drive, LAN and USB ports
- Dielectric unit with automatic demineralization system
- Refrigeration unit