KAAST

W-EDM S CNC

325 | 530 | 540 | 645 | 1270

Highly Effective Wire with Water Bath CNC Wire Machine

STANDARD CONFIGURATION

- Windows Based PC Control
- Automatic Wire Orientation (Vertical)
- X/Y/Z-Axis Linear Scales
- Diamond Wire Guides 0.25 mm (0.01”)
- Copper Wire 0.25 mm (0.01”), 5 kg (11lbs)
- High-Performance Pump
- Stainless Steel Water Tank
- Tank Paper Filter Unit
- Tank Resin Cartridges
- Tool Kit and Work Light

OPTIONAL CONFIGURATION

- Automatic Wire Threading (AWT)
- Automatic Voltage Regulation (AVR)
- Axis of Rotation (B-Axis)
- Dielectric Cooling System
- CAD/CAM Software
- Wire Running System for 15 kg Coil
- Diamond Wire Guides
  0.15, 0.2, 0.3 mm (0.006, 0.008, 0.012”)

This high-performance W-EDM offers flexible functions such as **copy, turn, flip, scale, and rotate**, along with **automatic dielectric monitoring** and adjustment based on the workpiece height. The high-precision **direct drive ball screws** (class C1) and **linear guideways in all axes** ensure accuracy, supported by travel-dependent **automatic lubrication** of the X and Y-Axis guides. It enables **fast underwater cutting** of workpieces up to 450 mm (17.7”) thick.

W-EDM S CNC			325	530	540	645	1270
			13” x 9”	20” x 12”	20” x 16”	24” x 18”	47” x 27”
Max. Workpiece Dimensions		mm	700x450x180 (27.5x17.7x7.1”)	850x500x200 (33.5x19.7x7.9”)	1000x800x250 (39.4x31.5x9.8”)	1100x800x250 (43.3x31.5x9.8”)	1600x1000x310 (63x39.4x12”)
Max. Table Load Capacity		kg	350 (770 lbs)	350 (770 lbs)	500 (1,100 lbs)	500 (1,100 lbs)	1500 (3,300 lbs)
Axis Travel:	X/Y	mm	350/250 (13.5/9.5”)	500/300 (19.7/11.8”)	500/400 (19.7/15.7”)	600/450 (23.6/17.7”)	1200/700 (47.2/27.5”)
	U/V	mm	50/50 (2/2”)	80/80 (3.1/3.1”)	100/100 (3.9/3.9”)	100/100 (3.9/3.9”)	150/150 (5.8/5.8”)
	Z	mm	200 (7.9”)	250 (9.8”)	300 (11.8”)	300 (11.8”)	350 (13.8”)
Feed Rate X/Y-Axis		mm/min	800 (31.5”/min)				
Wire Diameter		mm	0.15–0.30 (Standard) (0.006–0.012”)				
Wire Tension		N	20				
Max. Cutting Angle			±15°/60 mm				
Max. Wire Speed		mm/sec	400 (15.7”/sec)				
Dimensions (L/W/H)		mm	2800x2800x2400 (110x110x94”)	2800x2800x2500 (110x110x98”)	3400x3600x2600 (134x142x102”)	3400x3500x2500 (134x138x98”)	5300x5000x2800 (209x197x110”)
Weight		kg	2000 (4,400 lbs)	2800 (6,160 lbs)	3800 (8,360 lbs)	3800 (8,360 lbs)	7000 (15,400 lbs)
Filtration System							
Tank Capacity		l	630 (166 gal)	770 (203 gal)	1350 (356 gal)	1450 (383 gal)	4800 (1,267 gal)
Filtration System			Paper Filter				
Ionization Tank		l	10 (3 gal)				
Fluid Quality Control			Auto				
Fluid Temperature Control			Auto				
Item No.			4530009	4530020	4530021	4530022	4530008

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.