

AQ1200L

The World's Biggest Linear Motor Drive Wire-cut EDM



- Linear motor (X/Y/Z axis)
- Linear scale (X/Y/Z axis)
- Ceramic components
- Linear motor cooling unit
- LP2WH high speed generator
- 1Gbit/sec communication technology
- Intelligent Q3vic EDW
- Remote controller
- Rise and fall work tank
- Improved ease of operation
- High speed electrolysis free circuit
- SODICK Fine Corner Control
- Energy saving circuit
- Super PIKA finishing circuit

Technical Specifications	
XYZ axis travel (mm)	1200 x 800 x 400 (Z=600 optional)
UV axis travel (mm)	1220 x 820
Taper angle at 150mm height	±30°
Work tank dimensions (mm)	1824 x 1400
Max. workpiece dims (mm)	1600 x 1200 x 400
Max. workpiece weight (kg)	4000
Wire diameter (mm)	Ø 0.15 - Ø 0.33
Wire tension (N)	3 - 23
Max. wire speed (mm/s)	420
Distance from floor to table top (mm)	1200
Controlled axes	5
Machine tool dimensions (W x D x H, mm)	4140 x 3935 x 2510
Machine installation dimensions (mm)	5200 x 5200
Machine weight (kg)	11000
Air flow	0.5 MPa, 30 NL/min



- FTII (Fine pick-up function)
- Automatic water level control
- Super jet AWT (Automatic wire threader)
- Wire bobbin of 20kg
- Wire end remover
- Wire chopper
- Dielectric cooling unit
- Active Power Restart (UPS)
- Voltage stabiliser
- LAN interface
- 15" TFT screen
- USB port
- Totalizing hour meter
- Work light

Dielectric tank	
External dimensions (W x D x H, mm)	-
Empty weight (kg)	850 (Main) + 550 (Sub)
Capacity (l)	3000
Filtration method	4 replaceable paper filters

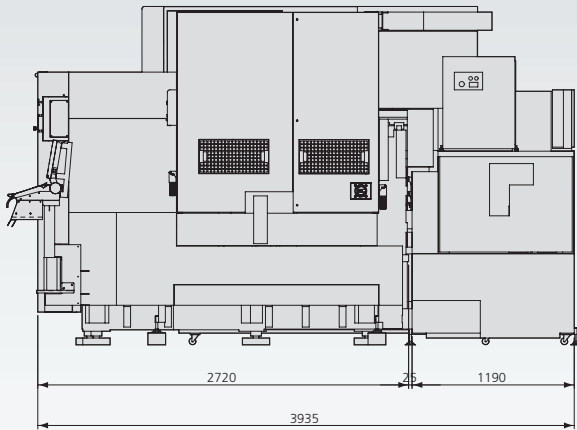
Options	
Z=600mm submerged cutting height	
Taper flex 45 (for taper cutting up to 45°)	
Oscilloscope	
6/8-axis simultaneous	
Custom color	

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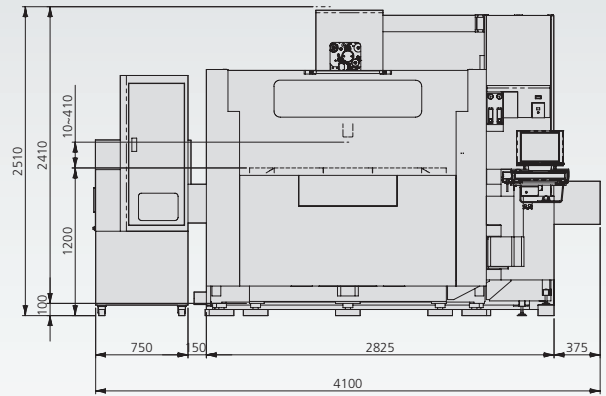
Technical Specifications



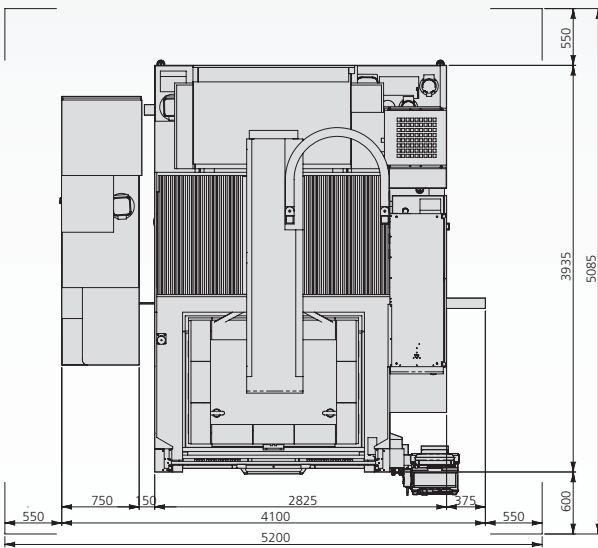
Side View



Front View



Top View



Due to ongoing research, specifications are subject to change without prior notice.

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