VZ300L

Linear motor drive Wire-cut EDM







- Linear motor (X/Y/Z axis)
- Absolute linear scale (X/Y/Z axis)
- Ceramic components
- Linear motor cooling unit
- LN2W generator
- Remote controller
- Improved ease of operation
- High speed electrolysis free circuit
- SODICK Fine Corner Control
- Energy saving circuit

Technical Specifications	
Max. workpiece dimensions (W × D × H, mm)	780 × 570 × 215
Max workpiece weight (kg)	500
Work tank dimensions (W × D, mm)	810 x 650
X/Y/Z axis travel (mm)	350 x 250 x 220
U/V axis travel (mm)	80 x 80
Taper angle (at workpiece thickness of 120mm)	±15 °
Wire diameter (mm)	Ø 0.15 ~ Ø 0.3
Wire feed speed (mm/sec, max.)	420
Wire tension (N)	3 ~ 23
Machining method	Flushing / Submerge
Distance from floor to table top (mm)	900
Wire bobbin weight (kg)	8
Machine dimensions (W × D × H, mm) (including power supply, supply tank)	1895 x 2180 x 1960

Machine installation space (W × D, mm)	2600 x 2950
Machine weight (kg, including power supply)	2400
Air flow	0.5 MPa, 30 NL/min
Total power input	3-phases 50/60Hz 11 KVA

- FTII (Fine pick-up function)
- Automatic water level control
- Super jet AWT (Automatic wire threader) Heart NC software
- Wire end remover
- Dielectric cooling unit
- Voltage stabiliser
- LAN interface
- USB port

Dielectric Tank	
External dimensions (W × D × H, mm)	710 x 2070 x 1800
Empty weight (kg)	370 kg
Capacity (I)	550
Filtration method	2 replaceable paper filters (internal-pressure type)
Deionizer	Ion-exchange resin (18-lit.type)

Options	
aper flex 45 (for taper cutting up to 45°)	WS4P/5P rotary table (indexing or simultaneous movement)
L-Cut (Wire chopper)	

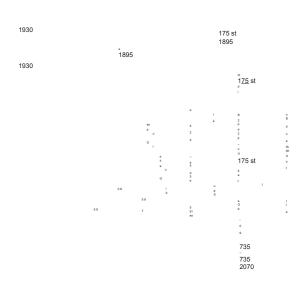
VZ300L Technical Specifi



cations

1930

1895



1725 2070

1725 735 Drain 1B Drain 1B

1725 (H=45) (H=45) 480 700 560 560 Wire Bucket 200 3-phase AC200V 3-phase AC200V Wire Bucket (H=630) Drain 1B 350 150 350 150 945 (H=630) 90 90 (H=45) Cooling Unit Deionizer Controller Cooling Unit Wire Bucket 700 200 560 Åir IN 8 (H=880)[°] ○ Feeder 350 150 (Option) 90 Air IN 8 (H=880) Controller Controller 3-phase AC200V (H=630) Jumbo Jumbo Feeder Cooling Unit (Option) Air IN 8 (H=880) Deionizer

Feeder (Option)

0.08

0 5 9

480

480



Rowley Drive, Baginton

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

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