



TECHNOLOGY · CREATIVITY · QUALITY · SERVICE



— AWT 355S



— AWT 455S



— AWT 655S

# AWT SERIES

HIGH PERFORMANCE WIRE CUT EDM

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## MACHINE UNIT

ITEM		AWT 355S	AWT 455S	AWT 655S	AWT 855S
Max. workpiece dimension (WxDxH)	kgs	710 x 560 x 205	750 x 650 x 205	1100 x 750 x 350	1280 x 780 x 350
Max. workpiece weight	kgs	300	450	700	1000
X Travel	mm	350	450	650	850
Y Travel	mm	250	300	400	450
Z Travel	mm	210	250	350	350
U Travel	mm	80	100	100	100
V Travel	mm	80	100	100	100
Drive system		AC servo motor	AC servo motor	AC servo motor	AC servo motor
Wire diameter		ø0.15-ø0.30 (standard) ø0.10 (optional)	ø0.15-ø0.30 (standard)	ø0.15-ø0.30 (standard)	ø0.15-ø0.30 (standard)
Max. taper angle	mm	±24° / 80mm	±24° / 80mm	±24° / 80mm	±24° / 80mm
Outside dimension(WxDxH)	mm	1170x1730x1990	1370x2100x2070	1800 x 2240 x 2400	2140x2470x2290
Machine net weight	kgs	2100	2200	2850	5500



## Filtration system:

ITEM		AWT 355S	AWT 455S	AWT 655S	AWT 855S
Filter system capacity	L	640	700	1200	1550
Filter element		Paper filter	Paper filter	Paper filter	Paper filter
Ion exchange resin capacity	L	14	14	14	14
Water quality control		Auto	Auto	Auto	Auto
Water temperature control		Auto	Auto	Auto	Auto



## NC UNIT:

Controller device	64 Bit IPC
Memory device	16MB DOM
Screen display	12.1" 800x600 Color TFT LCD
Input means	Keyboard , RS232 , 3.5" Floppy Disk
Service control means	Fully-closed circuit service control system
No.of control means	5 axes
Instruction value	0.001 mm
Max. instruction value	9999.999 mm
Interpolation functions	Linear / Circular
Positioning command format	Incremental / Absolute
Wire diameter compensation	± 99.999 mm
Pattern rotation	0 - 360°
Processing condition	9999 sets

\* All specification and design are subject to change without notices.



## Processing Power Supply:

Discharge power supply	AC /DC MOSFET
Surface roughness	Ra 0.3 - 0.4 um Ra
Intelligent ignition power supply	Ultra-thin, thick plate
Max. cutting speed	180mm <sup>2</sup> / ø0.3mm straight line cutting
Electricity required	3 Phase, 220V / 380V, 10%25A, 18KVA

### STANDARD ACCESSORIES:

1. Automatic vertical alignment jig ..... 1 set
2. Filter element ..... 2 pcs
3. Tool kit ..... 1 set
4. Wire guide ø0.25mm ..... 1 set
5. Brass wire ø0.25 mm ..... 1 set
6. Ion exchange resin ..... 1 set

### OPTIONAL ACCESSORIES:

1. Tension meter
2. Wire guide ( ø0.15mm, 0.20mm, 0.30 mm )
3. Dielectric cooling unit
4. Consumable parts ( Wire, Flushing nozzles.... etc.)
5. Super fine circuit
6. Others upon request



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