

CNC WIRE-CUT E.D.M.



SPECIFICATIONS

ITEM		CW-10	CW-30	CW-40	CW-50
Machining method		Submerge/Flushing			
Max. workpiece size(WxDxH)	mm	680x420x150	780x500x250	880x500x250	1000x690x300
Max. workpiece weight	kg	250	500	550	800
X,Y axes travel	mm	300x200	400x300	500x300	600x400
Z axis travel	mm	150	250	250	300
U,V axes travel	mm	± 30 x ± 30	± 50 x ± 50	± 50 x ± 50	± 60 x ± 60
X-Y axis feed rate	mm/min	Max. 900			
Best surface roughness	um	Ra 0.65			
Machining Speed(SKD-11.60mm)	mm ² /min	200			
Drive motor(X,Y,U,V)		AC Servo Motor			
Wire diameter (standard)	mm	ø0.25 (ø0.15-ø0.3)			
Wire feeding speed	m/min	0-15			
Wire tension	gf	200-2500			
Max.taper angle	degree	± 15° / 80			
Max.wire bobbin weight	kg	6	6	6	10
Outside dimensions(WxDxH)	mm	(s)850x573x375 (F)920x573x400	(s)970x719x510 (F)1040x719x450	(s)1070x719x480 (F)1140x719x450	(s)1136x900x530 (F)1272x862x480
Machine weight	kg	1500	2200	2400	2800

• WORKING FLUID SUPPLY UNIT

Tank capacity(liter)		480/420	690/420	830/420	1215/420
Filter element		Paper filters			
Ion exchange resin		15			
Conductivity control system		Standard			
Fluid temperature control(With coolant)		Auto (optional)			
Outside dimensions(WxDxH)	mm	(s)1100x1400x1290 (F)950x1400x1290	(s)1100x1570x1290 (F)950x1400x1290	(s)1150x1820x1360 (F)950x1400x1290	(s)1200x1800x1470 (F)950x1400x1290
Net weight (without water)	kg	200	250	260	280

• POWER SUPPLY UNIT

Circuit system		Power MOS transistor			
Max. outpt current	A	25			
Voltage select	V	145			
Ip select		10			
Off time select		50			

• CNC UNIT

I/O device		Keyboard, RS-232C, 3.5-inch floppy disk			
Display type		15"LCD-TFT			
Control system		32bit, 1-CPU, closed loop software servo system			
Control axis		X,Y,U,V,Z			
Min. setting unit	mm	0.001			
Max. command value	mm	± 9999.999			
Interpolation		Liner/Circular			
Command system		Abs./Incl			
Machining feed control		Servo / Const. Feed			
Scaling		0.001~9999.999			
Auto 2nd cut system		Re-trance and auto changed machining date			
Machining condition memory		0~9999			
Outside dimensions(WxDxH)	mm	600x870x1850			
Total AC power input	KVA	3ø 220v ±10% / 13 KVA			