

EMERGE SERIES

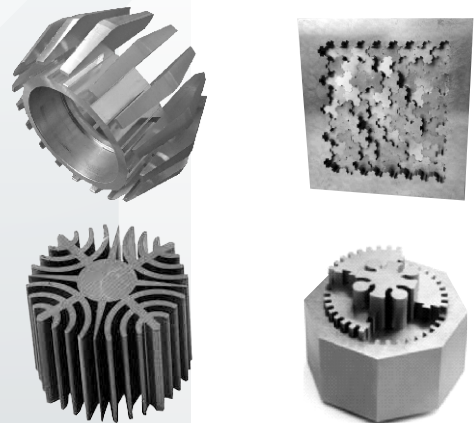
CNC WIRECUT EDM
(SUBMERGED TYPE)

S43 / S64 / S86

**High-Precision,
High-Speed
CNC Wirecut EDM**



- e Pulse & Anti electrolysis Ae2 Pulse Technology
- 5 Axis CNC with close loop AC Servo
- Automatic Wire Threading (Optional) For 0.25mm dia
- Synchronized rotary axis for special applications (Optional)
- Latest controller hardware using TRIO CPU
- Max. Cutting speed $220\text{mm}^2/\text{min}^*$
- Best surface finish $0.4 \mu \text{Ra}^*$
- Mineral Bed Filtration (MBF) - Optional



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Technical Specifications

Machine Tool	S43	S64	S86
X,Y Axis Travel (mm)	400 x 300	600 x 400	800 x 600 mm
U,V,Z Axis Travel (mm)	100 x 100 x 300	120 x 120 x 350	120 x 120 x 450
Max. Size Of Workpiece (WxDxH mm)	800 x 600 x 300	1000 x 700 x 350	1250 x 750 x 450
Table Size (mm)	670 x 500	900 x 595	1145 x 800
Job Admit (mm)	300 mm	350 mm	450 mm
Max. Workpiece Weight (Kg)	500	1000	4000 kg
XY Feed Rate (mm/Min)	1500	1500	1500
Max. Taper Angle (Deg/mm)	" +/- 35/50	" +/- 35/50	" +/- 35/50
Feedback system (X,Y Axis)	Linear scale	Linear scale	Linear scale
Feedback system (U,V,Z) Axis	Rotary Encoder	Rotary Encoder	Rotary Encoder
Wire Diameter Range (mm)	0.1 ~ 0.3 mm	0.1 ~ 0.3 mm	0.1 ~ 0.3 mm
Max. Spool carrying capacity (Kg)	8 kg	8 kg	8 kg
Max. wire Feed rate (mtr/min)	15	15	15
Max. Wire Tension (Kgf)	2.5	2.5	2.5
Machine Weight (Kg)	3000	4000	5000
Foot Print (WxDxH mm)	2400x2450x2350	3100x2900x2350	3100x2900x2350
Control Unit			
Controller CNC System	Windows 10 Based 64 Bit CPU		
CNC Controller	5 Axis CNC (Trio)		
Program Memory	2 GB		
Screen Display	17" LCD		
Min. Command Input (mm)	0.001		
Resolution (mm)	0.0005		
Pulse Peak Voltage	2 Step		
Interpolation	Linear, Circular		
Max. Programmable Dim. (mm)	± 99999.9999		
Input Power Supply	415 VAC, 3 ph, 50 Hz		
Connected Load (KVA)	13		
Average Power Consumption (KVA)	10		
On Time	32 Steps		
Off Time	64 Steps		
Discharge Mode	Rough/Skim Cut		
Filter Unit			
Filtration Media	10 micron Paper filtration	10 micron Paper filtration	10 micron Paper filtration
Dielectric Storage Capacity (Ltrs.)	850	1200	1500
Resin Bowl Capacity (Ltrs.)	16	16	16
Chille Unit (Kcal)	3000	3000	3000

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Poddar Group

In keeping with our constant endeavour to meet ever-changing market needs, we reserve the right to alter or change the specifications mentioned without prior notice.

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An ISO 9001:2015 Certified Organisation

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