

Maximart®

CE

EDM MACHINE

Superior Efficiency and
Accuracy in EDM Machining
TECHNOLOGY.

- Choice of ZNC, PNC or CNC control to meet your specific requirement.



ZNC

- 1/2 Center finding
- Z axis programmable
- 12 Steps auto sparking

ZNC FEATURES:

- Heavily ribbed & tension released "Meehanite" machine frame.
- Z axis precision linear guideway + ballscrew and fitted with Electro-Magnetic brake, driven by high-performance D.C. servo motor.
- X & Y axis precision ballscrews, manual movement.
- 3 axis optical linear scales, resolution 0.005mm. (Optional 0.001mm)
- 15" color **TFT/LCD** displayer.
- Z axis programmable auto rough to fine sparking upto 12 steps.
- Reverse sparking (Z axis upward sparking) function..
- 1/2 center finding.

V-35A (3-in-1 compact)

Table: 700 x 350mm
X Travel : 400mm
Y Travel : 300mm
Z Travel : 200+250mm
Max. Workpiece Weight : 500kgs
Max. Electrode Weight : 60kgs
Generator mounted on machine base.



V-45

Table: 800 x 450mm
X Travel : 500mm
Y Travel : 400mm
Z Travel : 200+300mm
Max. Workpiece Weight : 1300kgs
Max. Electrode Weight : 150kgs



PNC

- ZNC functions + Auto positioning & sparking + Auto-probing + Patterns.

PNC FEATURES:

- Heavily ribbed & tension released "Meehanite" machine frame.
- Z axis precision linear guideway + ballscrew and fitted with Electro-Magnetic brake, driven by high-performance D.C. servo motor.
- X & Y axis precision ballscrews and driven by high-performance D.C. servo motors.
- "L" & "H" models 3 axes equipped with linear guideways and precision ballscrews.
- 3 axes optical linear scales, resolution 0.005mm (optional 0.001mm).
- 15" color **TFT/LCD** displayer.
- All ZNC functions + Auto probing + Side sparking + Multi-cavity auto positioning & sparking + Patterns.

V-35

Table: 700 x 350mm
X Travel : 400mm
Y Travel : 300mm
Z Travel : 200+250mm
Max. Workpiece Weight : 600kgs
Max. Electrode Weight : 90kgs



V-70

Table: 1100 x 600mm
X Travel : 700mm
Y Travel : 550mm
Z Travel : 250mm+300mm
Max. Workpiece Weight : 2000kgs
Max. Electrode Weight : 250kgs



CNC

■ PNC functions + Orbit-cut

CNC FEATURES:

- Heavily ribbed & tension released "Meehanite" machine frame.
- All 3 axes equipped with linear guideways and precision ballscrews. Z axis fitted with Electro-Magnetic brake, driven by high-performance D.C. servo motor.
- 3 axes optical linear scales , resolution 0.001mm.
- 15" Color **TFT/LCD** displayer.
- All PNC functions + 2.5D/3-D orbit functions.

V-46

Table: 800 x 450mm
X Travel : 500mm
Y Travel : 400mm
Z Travel : 350mm
Max. Workpiece Weight : 1500kgs
Max. Electrode Weight : 220kgs



L-68

Table: 1850 x 1000mm
X Travel : 1800mm
Y Travel : 800mm
Z Travel : 600mm
Max. Workpiece Weight : 7000kgs
Max. Electrode Weight : 500kgs



GENERATOR SPECIFICATIONS

GENERATOR	ZNC			PNC		CNC
FUNCTION	1/2 CENTER FINDING + Z AXIS PROGRAMMABLE 12 STEPS AUTO SPARKING + REVERSE SPARKING			ZNC FUNCTIONS + AUTO POSITIONING & SPARKING + AUTO-PROBING + SIDE SPARKING + PATTERNS.		PNC FUNCTIONS + 2.5D & 3D ORBIT-CUT.
SPARKING AXIS & DIRECTION	Z+ & Z-			X+/X-/Y+/Y-/Z+/Z-		X+/X-/Y+/Y-/Z+/Z-
LANGUAGE	CHINESE / ENGLISH					
DISPLAYER	15" COLOR CRT (optional TFT/LCD displayer)					
DISPLAY AXIS	X,Y,Z AXIS THRU OPTICAL LINEAR SCALES					
RESOLUTION	0.005mm(standard) & 0.001mm(optional)					0.001mm
PROGRAMING	MAX. PROGRAM NUMBER 9999, MAX. 12 STEPS AUTO SPARKING.					
GENERATOR	30A	60A	120A	180A	250A	300A
MAX. WORKING CURRENT	32A	64A	125A	192A	256A	320A
POWER CONSUMPTION	3.5KVA	6KVA	12KVA	18KVA	25KVA	30KVA
MAX. MACHINING SPEED mm ³ /Min.	460	680	1420	2230	2980	3760
BEST SURFACE ROUGHNESS	0.3 Ra um	0.3 Ra um	0.3 Ra um	0.3 Ra um	0.3 Ra um	0.3 Ra um
MINIMUM ELECTRODE WEAR	< 0.2%	< 0.2%	< 0.2%	< 0.2%	< 0.2%	< 0.2%
CABINET DIMENSION	600x800x1800	600x800x1800	600x800x1800	600x800x1800	600x800x1800	600x800x1800
NET WEIGHT	180kgs	230kgs	280kgs	380kgs	420kgs	480kgs

• We reserve the right to modify the design and specifications without notice in advance.

MACHINE SPECIFICATIONS

UNIT: mm

ITEM/MODEL	V-35A	V-35	V-45	V-46	V-70	L-55	L-60	L-68	H-200
TABLE SIZE	700 x 350	700 x 350	800 x 450	800 x 450	1100 x 600	1000 x 600	1245 x 800	1850 x 1000	2800 x 1500
X TRAVEL	400	400	500	500	700	600	1000	800	2000
Y TRAVEL	300	300	400	400	550	450	600	600	1000
Z SERVO TRAVEL	200	200	200	350	250	400	500	600	600
Z AC MOTOR TRAVEL	250	250	300	NIL.	300	NIL.	NIL.	NIL.	NIL.
ELECTRODE PLATE SURFACE TO WORK TABLE SURFACE	200-650	200-650	200-700	275-625	250-835	300-700	450-900	550-1100	600-1200
MAX. ELECTRODE WEIGHT	90kgs	90kgs	150kgs	220kgs	250kgs	250kgs	400kgs	500kgs	600kgs
MAX. TABLE LOAD	600kgs	600kgs.	1300kgs.	1500kgs.	2000kgs.	3000kgs.	4000kgs.	7000kgs.	8000kgs.
WORK TANK SIZE	1070x580x370	1070x580x370	1170x690x425	1200x690x425	1700x1000x550	1500x940x520	1800x1100x620	2650x1320x700	2740x1700x800
MACHINE WEIGHT	1350kgs	1400kgs	1500kgs	1900kgs	3100kgs	3600kgs	5200kgs	8500kgs	12000kgs
DIELECTRIC TANK SIZE	BUILT-IN	BUILT-IN	1200x1000x460	1200x1000x450	2120x1300x460	2000x940x450	1900x1160x450	2200x1200x750	On request
CAPACITY	300L	300L	400L	550L	1250L	1200L	1900L	3200L	

• We reserve the right to modify the design and specifications without notice in advance.

Standard Accessories

- Paper Filters.
- Electrode Holder.
- Flushing Nozzle.
- Drill Chuck.
- Clamping Kits.
- Tool Box.
- Work Lamp.

Optional Accessories

- CE Conformity Machine.
- Spare PCB Set.
- Automatic Fire Extinguisher.
- Dielectric Cooler.
- Permanent Magnetic Table.
- System 3R Toolings.

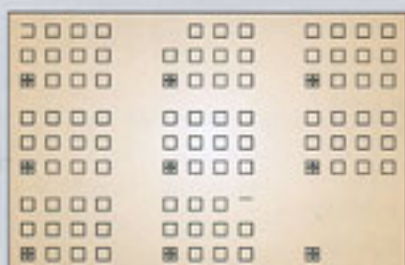
ZNC

1/2 CENTER FINDING +
Z AXIS PROGRAMMABLE
12 STEPS AUTO SPARKING +
REVERSE SPARKING



PNC

ZNC FUNCTIONS +
AUTO POSITIONING &
SPARKING +
AUTO-PROBING +
SIDE SPARKING + PATTERNS.



F1
Matrix



F2
Pattern2



F3
pattern3



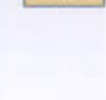
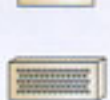
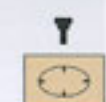
F4
Square



F5
CIRCLE

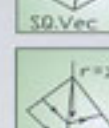
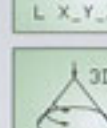
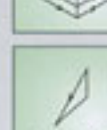
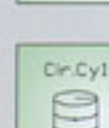
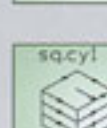
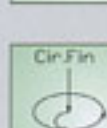
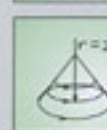
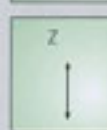
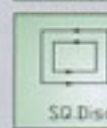


F6
Linear



CNC

PNC FUNCTIONS +
2.5D & 3D ORBIT-CUT.



EDM MACHINE



H-200

Table: 2800 x 1500mm
X Travel : 2000mm
Y Travel : 1000mm
Z Travel : 600mm
Max. Workpiece Weight : 8000kg
Max. Electrode Weight : 600kg



MAXIMART CORPORATION

P.O. BOX 58089 TAIPEI, TAIWAN.

TEL: 886-2-25314161 • FAX: 886-2-25634936

E-mail: maximart@ms6.hinet.net

<http://www.maximart.com.tw>