



TITAN
INTERNATIONAL SALES

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iSeries

Manual Small Hole EDM Drills



TITAN i25

Manual Small Hole EDM Drill



SPECIFICATIONS

MACHINE TRAVEL DIMENSIONS

Travel of X,Y Axis	250 mm x 200 mm	10 x 8 inches
Travel of Z Axis	350 mm	14 inches
Travel of W Axis	200 mm	8 inches
Machine Net Weight	600 kg	1320 lbs.
Max Length of Electrode	400 mm	16 inches

WORK PIECE SPECIFICATIONS

Machine Footprint	900 x 1000 x 2000 mm	35 x 39 x 79 inches
Work Table Size (L x W)	450 x 210 mm	18 x 8.26 inches
Work Table Inserts	M8 Threaded Inserts	
Tooling System	Stainless Steel Rail Guides	
Max Height of Work Piece	150 mm	6 inches
Max Weight of Work Piece	500 kg	1000 lbs.

MACHINE POWER SUPPLY SPECIFICATIONS

Electrode Diameter	Ø 0.2 mm ~ Ø 3.0 mm	Ø .008 ~ Ø .118 inches
Switching	High current FET	
Output Amperage Mean / Peak	Max 30A	
Power Rating	220V / 3.5KVA	
Input Power	3 Phase, 220V, 50 ~ 60Hz	
Voltage Setting	3 step	
Amperage Setting	7 step	
Capacitors	5 step	
On-Time Setting	30 step	
Off-Time Setting	15 step	

ACCESSORIES

Amperage power booster (50A to 75A)
28pc guide/seal set (0.30-3.00mm)
3mm - 6mm Spindle Tooling Set (larger electrode capacity)
Work height riser (100mm)
Work height riser (200mm)
Yukiwa JNC140R-ACS-10-EDW 1 Axis Indexer
Haas HA5C 1 Axis Indexer
Stainless Steel Sine Plate (for rotary mounting)

TITAN i25s

Manual Small Hole EDM Drill



SPECIFICATIONS

MACHINE TRAVEL DIMENSIONS

Travel of X,Y Axis	400 mm x 300 mm	16.00 in x 12.00 in
Travel of Z Axis	350 mm	14.00 in
Travel of W Axis	350 mm	14.00 in
Machine Net Weight	1520 kg	3040 lbs
Machine Footprint	900 mm x 1000 mm x 2000 mm	35 in x 39 in x 79 in

WORK PIECE SPECIFICATIONS

Work Table Size (L x W)	650 mm x 400 mm	26.50 in x 16.00 in
Work Table Inserts	M8 threaded inserts	
Tooling System	Stainless Steel Rail Guides	
Max Height of Work Piece	350 mm	14.00 in
Max Weight of Work Piece	1000kg	2000lbs
Max Weight of Work Piece	500 kg	1000 lbs.

MACHINE TOOL SPECIFICATIONS

Electrode diameter	Ø 0.20 mm ~ 3.0 mm	Ø .008 ~ .118
	(6.0mm option)	(.236 option)
Max Length of Electrode	400 mm	15.75 in

MACHINE POWER SUPPLY SPECIFICATIONS

Type	Input power AC / discharge output DC
Switching	High current FET
Output Amperage Mean / Peak	Max 50A
Power Rating	220V / 3.5KVA
Input Power	3 Phase, 220V, 50~60Hz.
Voltage Setting	3 step
Amperage Setting	7 step
Capacitors	5 step
On-Time Setting	30 step
Off-Time Setting	15 step

ACCESSORIES

Amperage power booster (50A to 75A)
28pc guide/seal set (0.30-3.00mm)
3mm - 6mm Spindle Tooling Set (larger electrode capacity)
Work height riser (100mm)
Work height riser (200mm)
Yukiwa JNC140R-ACS-10-EDW 1 Axis Indexer
Haas HA5C 1 Axis Indexer
Stainless Steel Sine Plate (for rotary mounting)

TITAN i25t

Manual Small Hole EDM Drill



SPECIFICATIONS

MACHINE TRAVEL DIMENSIONS

Travel of X,Y Axis	400 mm x 300 mm	16.00 in x 12.00 in
Travel of Z Axis	350 mm	14.00 in
Travel of W Axis	350 mm	14.00 in
Travel of A Axis (Tilt Head)	+/- 45°	
Machine Net Weight	1520 kg	3040 lbs
Machine Footprint	900 mm x 1000 mm x 2000 mm	35 in x 39 in x 79 in

WORK PIECE SPECIFICATIONS

Work Table Size (L x W)	650 mm x 400 mm	26.50 in x 16.00 in
Work Table Inserts	M8 threaded inserts	
Tooling System	Stainless Steel Rail Guides	
Max Height of Work Piece	350 mm	14.00 in
Max Weight of Work Piece	1000kg	2000lbs

MACHINE TOOL SPECIFICATIONS

Electrode diameter	Ø 0.20 mm ~ 3.0 mm	.Ø .008 ~ .118
	(6.0mm option)	(.236 option)
Max Length of Electrode	400 mm	15.75 in

MACHINE POWER SUPPLY SPECIFICATIONS

Type	Input power AC / discharge output DC	
Switching	High current FET	
Output Amperage Mean / Peak	Max 50A	
Power Rating	220V / 3.5KVA	
Input Power	3 Phase, 220V, 50~60Hz.	
Voltage Setting	3 step	
Amperage Setting	7 step	
Capacitors	5 step	
On-Time Setting	30 step	
Off-Time Setting	15 step	

ACCESSORIES

Amperage power booster (50A to 75A)
28pc guide/seal set (0.30-3.00mm)
3mm - 6mm Spindle Tooling Set (larger electrode capacity)
Work height riser (100mm)
Work height riser (200mm)
Yukiwa JNC140R-AC5-10-EDW 1 Axis Indexer
Haas HA5C 1 Axis Indexer
Stainless Steel Sine Plate (for rotary mounting)

TITAN i40c

CNC Small Hole EDM Drill



SPECIFICATIONS

MACHINE TRAVEL DIMENSIONS		
Travel of X,Y Axis	400 x 300 mm	15.75 x 11.75 inches
Travel of Z Axis	400 mm	15.75 inches
Travel of W Axis	400 mm	15.75 inches
Machine Net Weight	750 kg	1650 lbs.
Max Length of Electrode	400 mm	16 inches

WORK PIECE SPECIFICATIONS		
Machine Footprint	1500 x 1400 x 2000 mm	59 x 55 x 79 inches
Work Table Size (L x W)	625 x 400 mm	21.50 x 13.75 inches
Work Table Inserts	M8 threaded inserts	
Tooling System	Granite Work Surface / Stainless Steel Rail Guides	
Max Height of Work Piece	500 mm	20 inches
Max Weight of Work Piece	200 kg	440 lbs.

MACHINE POWER SUPPLY SPECIFICATIONS		
Electrode Diameter	Ø 0.1 mm ~ Ø 3.00 mm	Ø .004 in ~ Ø .118 inches
Switching	High current FET	
Output Amperage Mean / Peak	Max 30A	
Power Rating	220V / 3.5KVA	
Input Power	3 Phase, 220V, 50 ~ 60Hz.	
Voltage Setting	2 step	
Amperage Setting	15 step	
Capacitors	15 step	
On-Time Setting	30 step	
Off-Time Setting	30 step	

CNC CONTROL FEATURES
Servo Motors
Automated Part Probing
On Screen Programming
X / Y Mirroring and Angle Comp
Blind Hole Function
Hole Tapping Function
Closed Loop Feedback
Corner, edge, inside and outside
NC or DXF file importing via USB
Axis/Angle Exchange Function
Control Hole Depth to Within .004"
M4 to M10 / 1/4-20 to 1/2-13

ACCESSORIES
10 Position Automatic Electrode Changer
20 Position Automatic Electrode Changer
5 Position Automatic Guide Changer
Amperage power booster (50A to 75A)
28pc guide/seal set (0.30-3.00mm)
3mm - 6mm Spindle Tooling Set (larger electrode capacity)
Work height riser (100mm)
Work height riser (200mm)
Yukiwa JNC140R-AC5-10-EDW 1 Axis Indexer
Haas HASC 1 Axis Indexer
Stainless Steel Sine Plate (for rotary mounting)
1 Axis CNC Controlled Indexer (integrated)
2 Axis CNC Controlled Indexer (integrated)

TITAN i60c

CNC Small Hole EDM Drill



SPECIFICATIONS

MACHINE TRAVEL DIMENSIONS		
Travel of X,Y Axis	600 x 400 mm	23.75 in x 15.75 inches
Travel of Z Axis	500 mm	19.75 inches
Travel of W Axis	500 mm	19.75 inches
Machine Net Weight	1250 kg	2500 lbs.
Max Length of Electrode	400 mm	16. in

WORK PIECE SPECIFICATIONS		
Machine Footprint	1700 x 1450 x 2200 mm	67 in x 57 in x 87 inches
Work Table Size (L x W)	825 x 500 mm	32.50 in x 19.75 inches
Work Table Inserts	M8 threaded inserts	
Tooling System	Grainite Work Surface / Stainless Steel Rail Guides	
Max Height of Work Piece	500 mm	20.00 inches
Max Weight of Work Piece	750 kg	1500 lbs.

MACHINE POWER SUPPLY SPECIFICATIONS		
Electrode Diameter	Ø 0.1 ~ Ø 3.00 mm	Ø .004 in ~ Ø .118 inches
Switching	High current FET	
Output Amperage Mean / Peak	Max 30A	
Power Rating	220V / 3.5KVA	
Input Power	3 Phase, 220V, 50~60Hz.	
Voltage Setting	2 step	
Amperage Setting	15 step	
Capacitors	15 step	
On-Time Setting	30 step	
Off-Time Setting	30 step	

CNC CONTROL FEATURES
Servo Motors
Automated Part Probing
On Screen Programming
X / Y Mirroring and Angle Comp
Blind Hole Function
Hole Tapping Function
Closed Loop Feedback
Corner, edge, inside and outside
NC or DXF file importing via USB
Axis/Angle Exchange Function
Control Hole Depth to Within .004"
M4 to M10 / 1/4-20 to 1/2-13

ACCESSORIES
10 Position Automatic Electrode Changer
20 Position Automatic Electrode Changer
5 Position Automatic Guide Changer
Amperage power booster (50A to 75A)
28pc guide/seal set (0.30-3.00mm)
3mm - 6mm Spindle Tooling Set (larger electrode capacity)
Work height riser (100mm)
Work height riser (200mm)
Yukiwa JNC140R-AC5-10-EDW 1 Axis Indexer
Haas HA5C 1 Axis Indexer
Stainless Steel Sine Plate (for rotary mounting)
1 Axis CNC Controlled Indexer (integrated)
2 Axis CNC Controlled Indexer (integrated)

***Titan International Sales offers two high-quality lines of
Small Hole EDM Drill Machines, including turnkey
solutions for any project – no matter the size.***

***Our commitment to continuous technological improvement
gives our customers an advantage over their competitors
when they partner with us for their business needs.***

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