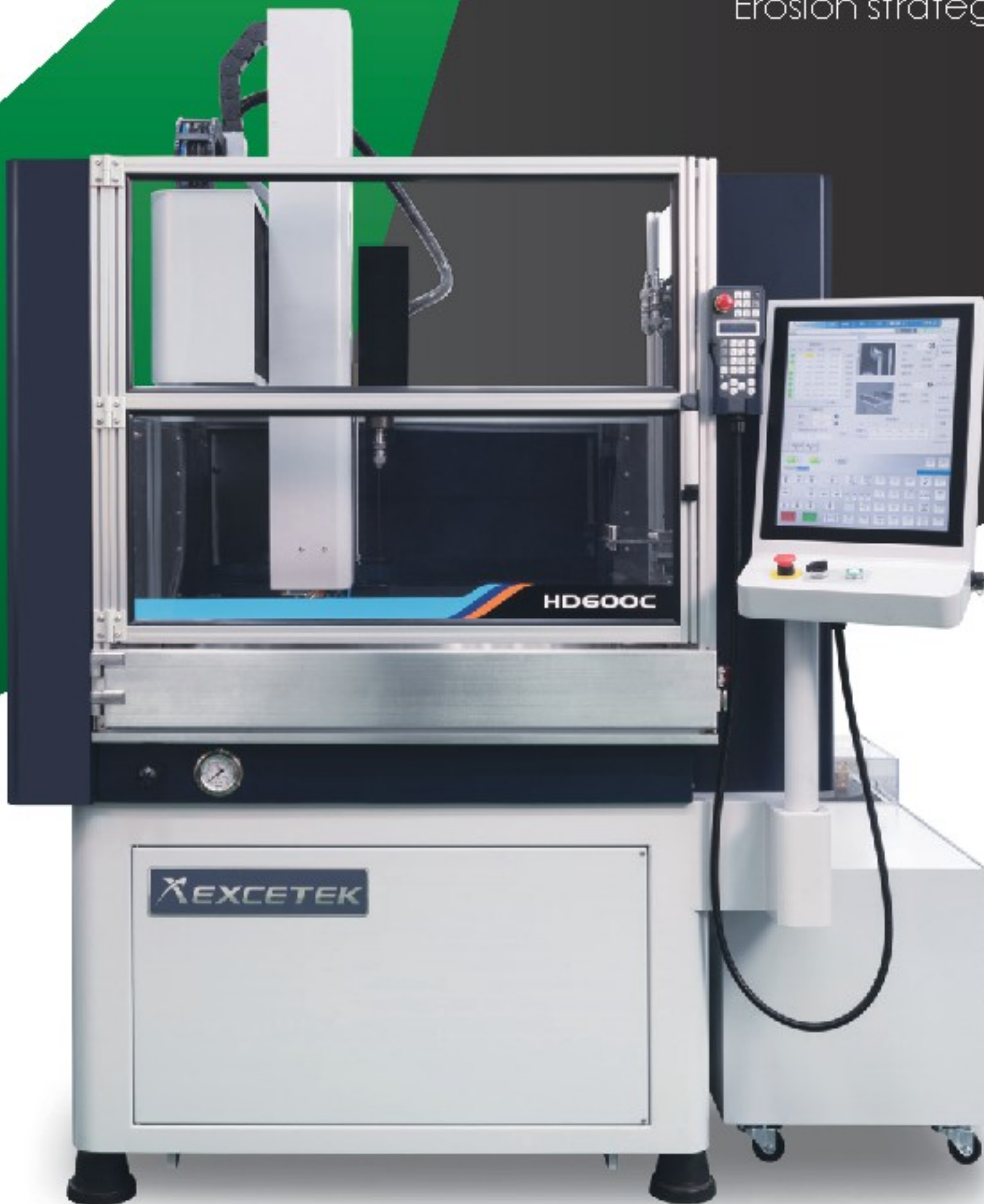




# HD

## SERIES

With advanced features  
and multiple orbital,  
Erosion strategies



# Column Move Type CNC

Hole Drilling Electronic Discharge Machine

Excellent Performance	1
Mechanical Feature	3
Generator Feature	4
Specifications	5
HD ZNC	6



HD400C



HD600C

Excellent Performance and a wide range of machine models

## HD SERIES

An advanced CNC EDM machine created by Professionals for Quality & Reliability

- EXCETEK have Produces a New Series of CNC Small Hole EDM Drilling machines
- Based on EXCETEK EDM technology and innovation for Small Hole EDM Drilling
- Provides Faster, Accurate technology for difficult to burn materials in Small Hole EDM Drilling
- The New HD Series machines have a Rigid mechanical frame and easy to operation interface
- The HD Series provides high added value machine and performance
- The HD Series with its advanced pulse control generator, provides high accuracy machining in aerospace materials. Example: Tungsten Carbide, Titanium alloy, Nickel alloy...



HD800C

# Mechanical Feature



8 AEC - Linear electrode changer (Option)



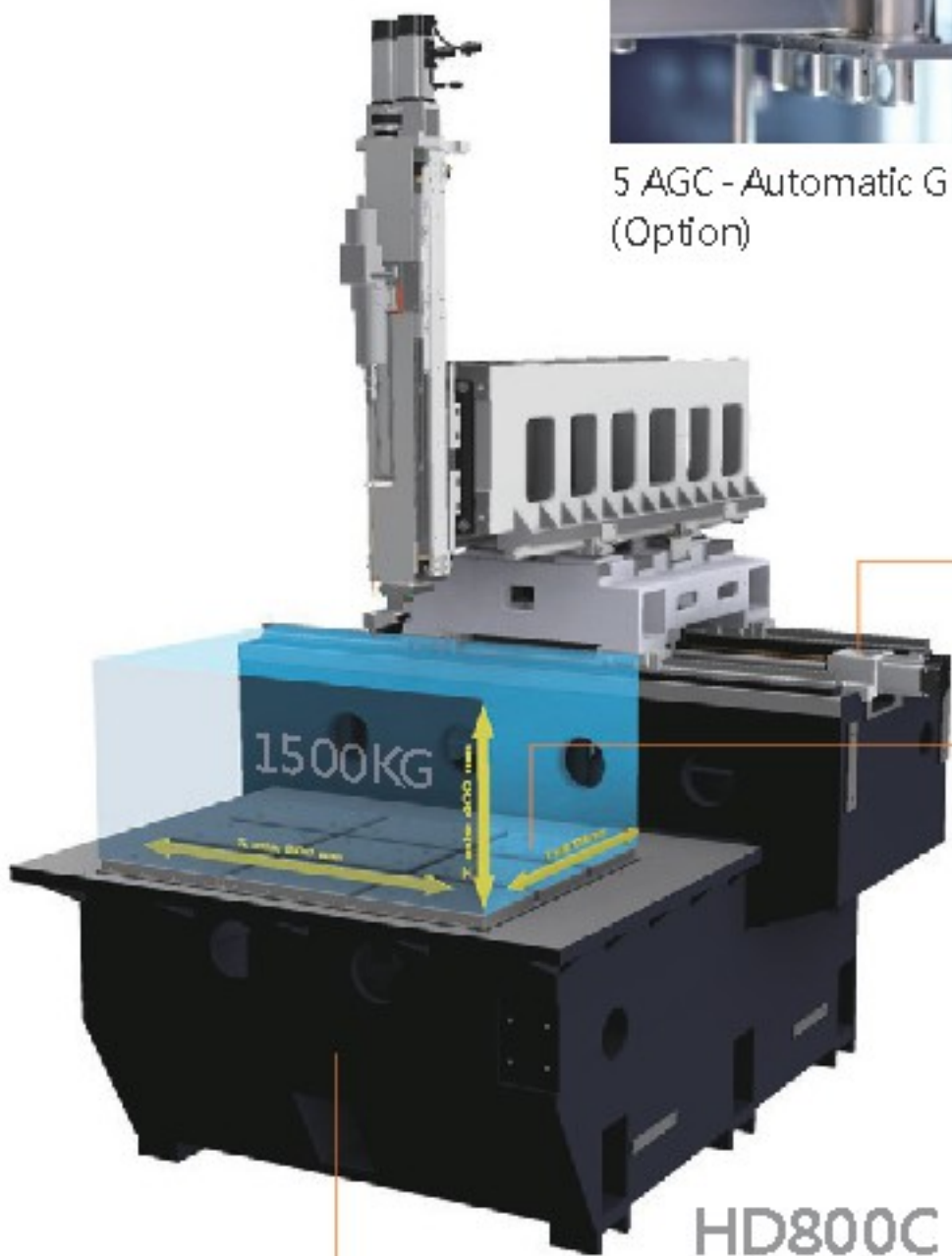
16 AEC - Rotary electrode changer (Option)



5 AGC - Automatic Guide Changer (Option)



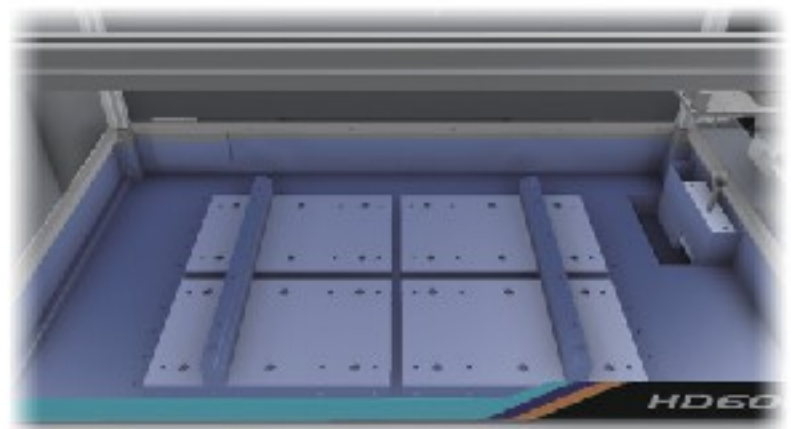
A/B Rotary Tablet (Option)



• High-resolution, AC servo motor

• Hard Stainless Steel work table

**Semi-submerged work tank** (Option)  
To improve through hole quality



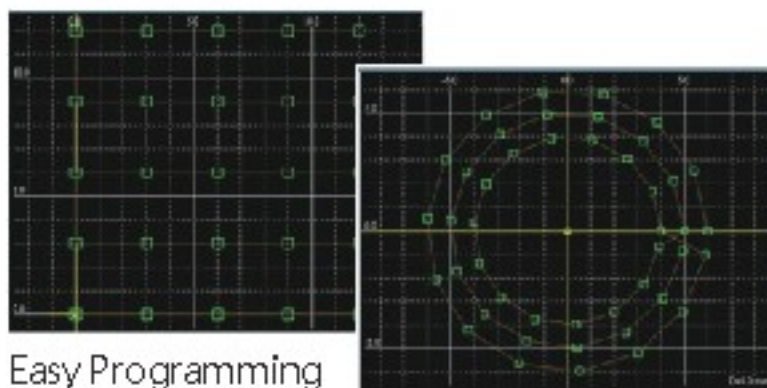
• High-rigidity mechanical body, using FEM analysis design optimization



# The Powerful New NC Controller

- The HD Series Hole Driller with EXCETEK Motion Controller has an optimised servo control to achieve high speed and precision.
- Input Interface: LAN, USB
- Easy setting and comprehensive EDM cutting technology database.
- Iot and Automation Solution For Smart Factory

Standard G/M Code, Wire Cut NC File Conversion.  
DXF File Wire Cut NC File Conversion. (Option)

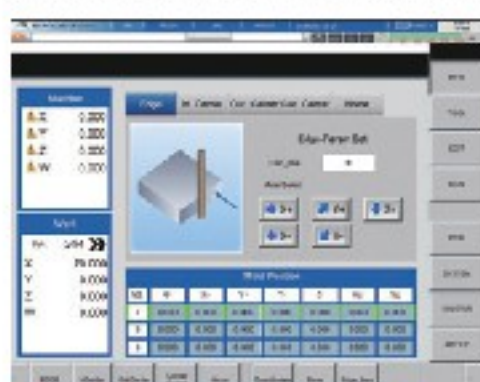


Easy Programming

Abundance Cutting technology database



Easy Operation With Graphic Screen

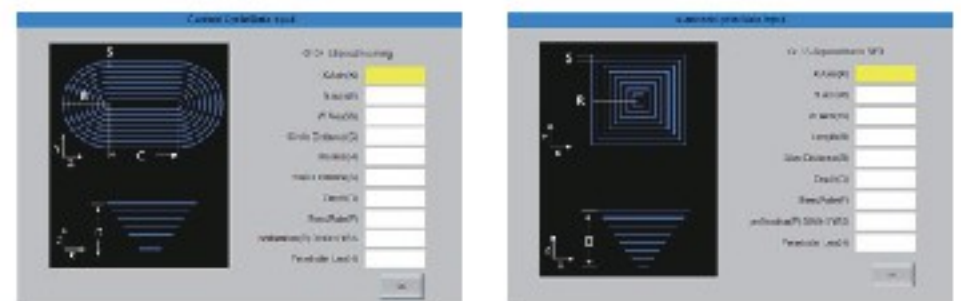


Automated Application



Touch Screen and Friendly Operation Interface

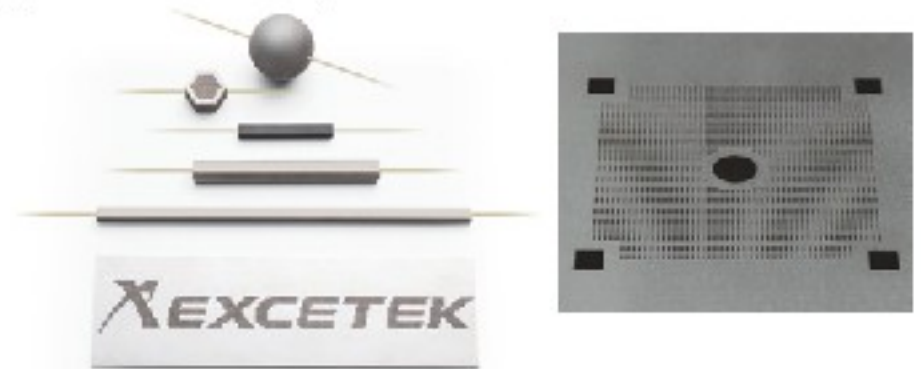
Obit Macro Machining (Option)



Advantage function for Blind Holes

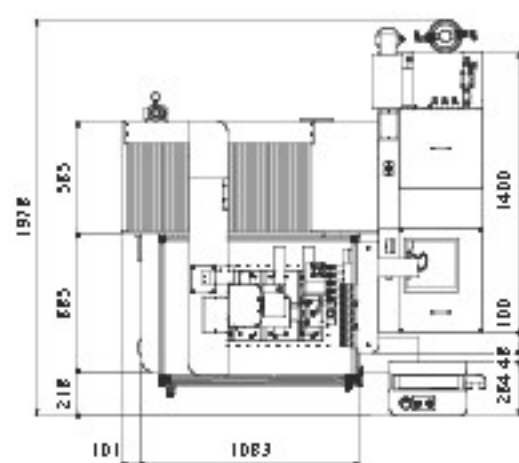


Application Examples

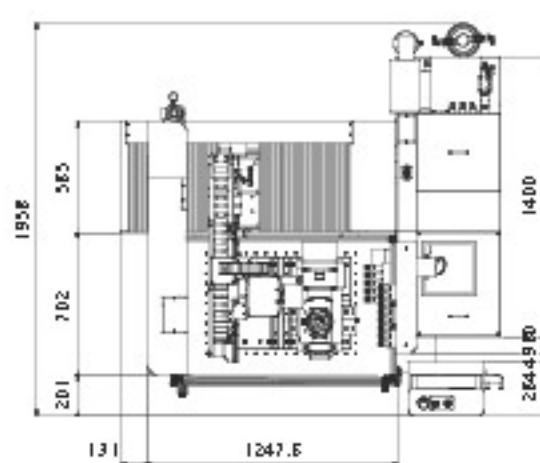


# Dimensions

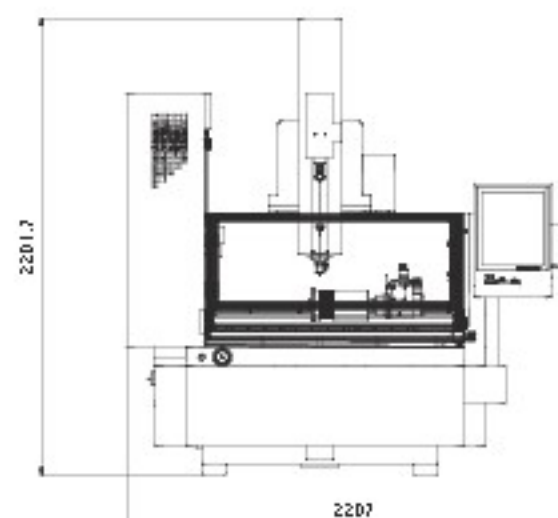
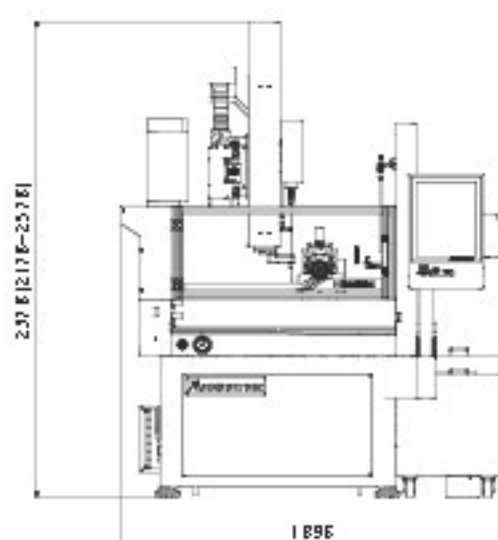
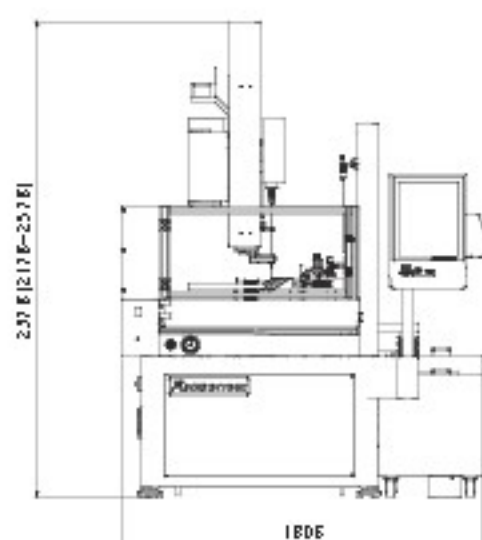
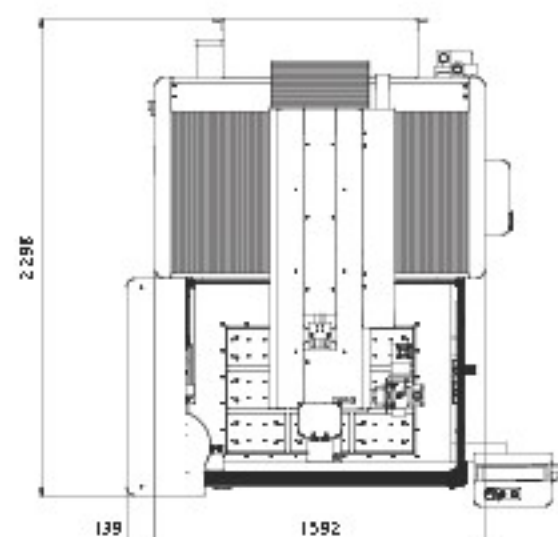
HD400C



HD600C



HD800C



## Machine Specifications

MODEL		HD400C	HD600C	HD800C
Work Table Size (WxD)	mm	600 x 350	700 x 450	900 x 600
X/Y axes Travel	mm	400 x 300	600 x 400	800 x 600
Z axis Travel	mm	400	400	400
W axis Travel	mm	400	400	400
Electrode size	mm	Ø0.3 ~ Ø3.0	Ø0.3 ~ Ø3.0	Ø0.3 ~ Ø3.0
Auto Electrode Changer (Option)		8/16 pcs	8/16 pcs	16 pcs
Maxi. Electrode length	mm	400	400	500
Maxi. Workpiece size	mm	650 x 400 x 400	750 x 500 x 400	950 x 650 x 400
Maxi. Workpiece weight	kg	500	800	1500
Machine weight	kg	1630	1730	3200
Max. Machining Current	A	48	48	48
Input Power	KVA	4.0KVA	4.0KVA	4.0KVA
Machine Dimension	mm	1900 x 1965 x 2600	2000 x 1965 x 2600	2505 x 2500 x 2600

\*Remark: we can make to order as customer requested.

\*The specifications in this catalogue are subject to be change by the factory

### Standard Accessories

- Electrode Chuck Ø0.3mm~Ø3.0mm x 1
- Electrode Guide Ø1.0mm x 1
- Electrode Pipe Brass Ø1.0mm x 20pcs
- Work Lamp x 1
- 240L Stainless Water Filter Tank
- Tools Box x 1
- Paper Filter PW-40-2 300 x 29 x 500mm 10µm x 1pcs
- Paper Filter PP 10inch 5µm x 1pcs
- Parallel Pad x 2
- Water Seal x 20pcs
- Air Chuck

### CNC HD Series Option

- A/B Rotary Tablet
- Auto Electrode Changer System
- Auto Electrode Chuck Ø3.1~Ø6.0
- XY Linear Scale With 1µm Resolution
- Auto Guide Changer System
- Water Cooler
- Ion Exchange System
- IOT And Automation Solution For Smart Factory
- DXF File, Wire Cut NC File Conversion
- Stainless Semi-submerged Work Tank
- Finish Stop Device
- Max. Machining Current 75A

# HD ZNC

- Pre-programmed with 7 material types and multi-electrode size cutting conditions. User conditions may also be saved.
- Z-axis auto zero function easy for monitoring of cutting depth.
- Z-axis end of sparking with auto move up function to reduce operation steps.
- Programmeable wear function.
- Automatic soft start function
- Reduction of in/out hole size difference function.
- Standard with 3 axis build in Digital Read Out display.
- Individual axis zero key function
- Inch/mm display function.
- Responsive Z-axis AC servo motor.



HD30Z



HD35Z



HD50Z



Z axis AC servo motor

## Machine Specifications

MODEL		HD30Z	HD35Z	HD50Z
Work Table Size (WxD)	mm	450 x 210	600 x 300	600 x 300
X/Y axes Travel	mm	300 x 200	350 x 250	450 x 350
Z axis Travel	mm	345	345	345
W axis Travel + Manual Guide Travel	mm	0+150	200+150	200+150
Electrode size	mm	Ø0.3 ~ Ø3.0	Ø0.3 ~ Ø3.0	Ø0.3 ~ Ø3.0
Maxi. Electrode length	mm	400	400	400
Maxi. Workpiece size	mm	660 x 410 x 150	810 x 430 x 350	990 x 460 x 350
Maxi. Workpiece weight	kg	150	350	450
Machine weight	kg	930	1130	1730
Max. Machining Current	A	48	48	48
Input Power	KVA	4.0KVA	4.0KVA	4.0KVA
Machine Dimension	mm	1450 x 1250 x 2100	1520 x 1287 x 2300	2036 x 2075 x 2290

\*Remark: we can make to order as customer requested.

\*The specifications in this catalogue are subject to be change by the factory

### Standard Accessories

- Electrode Chuck Ø0.3mm~ Ø3.0mm x 1
- Electrode Guide Ø1.0mm x 1
- Electrode Brass Tube Ø1.0mm x 20pcs
- Work Lamp x 1
- 80L Stainless Water Filter Tank
- Tools Box x 1
- Paper Filter PW-40-2 300 x 29 x 500mm 10µm x 1pcs
- Paper Filter PP 10inch 5µm x 1pcs
- Parallel Pad x 2
- Water Seal

### HD ZNC Option

- Electrode Chuck Ø3.1mm ~ Ø6.0mm
- Finish Stop Device
- Air Chuck

# HD

## SERIES

With advanced features and multiple orbital,  
Erosion strategies



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