

Automatic Production

# Drilling EDM

## High Efficiency

AD Series | 5040AT | 5060AT | 4030AT | D2535T

**KENT  
USA**



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# Drilling EDM

High Efficiency



1. ATC Precision Tool Holder



## CNC Series | 5040A | 5060A | D4030A | D2535A | D2335

### Features

- Precision servo motors on X, Y, Z axis.  
The design provides excellent stability during drilling.
- Provides 1 $\mu$  optical scale, linear slideway and ballscrew to ensure accurate movement.
- Reads NC program, G-code and DXF files directly.  
Finds the cutting start point automatically and begins the fine hole drilling process.
- When NC program is not available, the machining coordination can be inputted directly.
- Automatic centering, edging and internal diameter detection.
- Coordinates can rotate to any angle.
- Drilling capacity from  $\varnothing$ 2mm to 3.0mm.  
Brass or copper electrodes available.
- Mirror image function.
- Automatically illustrates the path of current and next drilling position with colors.
- Z-axis auto reset and depth calculation.  
(Z-axis checks hole depth automatically, and returns to complete any that is too shallow.)
- Data input by USB or network transfer.
- Simple and user-friendly interface.

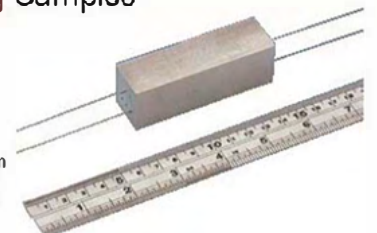
**CNC** Drilling EDM  
Fast - Stable - Accurate  
Conversational Interface



**Spindle**

### Machining Samples

Material: Aluminum  
Thickness: 80 mm  
Diameter: 0.5 mm



## Optional Accessories



2. ATC Collet Holder



3. Filtration Water Tank

## Processing Setting



### Mirror Function

You can choose any axis you want to mirror. It's easy to read from the screen.



### Functional Set Up

You can set up the starting hole and stop hole. Different color has different meaning.



## Manual Series | AD-40A | AD-30A | AD-30 | AD-20A | AD-20

### Features

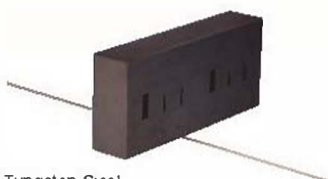
- Precision servo motor control for stable drilling.
- Designed for drilling hardened tool steel, carbides and other conductive materials.
- Suitable for larger workpieces and plastic molds.
- Drilling capacity from 0.2mm to 3.0mm. Brass or copper electrodes available.
- Automatic pressure release function.
- Long life work table made of stainless steel.



### 3 Axes D.R.O.

Set the depth that you need to drill.

## Manual Drilling EDM With ZNC Function



Material: Tungsten Steel  
Thickness: 20 mm  
Diameter: 0.5 mm



Material: SKD-11  
Thickness: 5 mm  
Diameter: 0.15 mm

Finished Product



Speaker Grille  
Diameter: 0.3 mm

## ATC Specifications

MODEL	UNIT	CNC-5040AT	CNC-5060AT	CNC-4030AT	CNC-D2535T
Work Table Dimensions	mm	600x490	600x700	515x390	500x300
Max. Workpiece Dimensions	mm	1185x740	800x1120	975x740	990x490
Table Travel X, Y	mm	500x400	500x600	400x300	350x250
Z Axis Travel	mm	350	350	350	350
Ram Servo Travel	mm	350	350	350	150
Max. Length of Electrode	mm	400	400	400	400
Min. Electrode Diameter	mm	Ø0.2 ~ Ø3.0	Ø0.2 ~ Ø3.0	Ø0.2 ~ Ø3.0	Ø0.2 ~ Ø3.0
Max. Workpiece Weight	kgs	500	500	500	150
Dielectric	—	Water	Water	Water	Water
Capacity of Dielectric	litres	100	100	100	100
Machine Weight (NW / GW)	kg	2100 / 2300	2300 / 2500	2000 / 2200	1000 / 1200
Packing Dimensions	mm	2300x1800x2240	1900x1700x2400	2300x1800x2240	1800x1500x2240
Machine Structure	—	Traveling Head	Double Column	Traveling Head	C-Type

## CNC Specifications

MODEL	UNIT	CNC-5040A	CNC-5060A	CNC-D4030A	CNC-D2535A	CNC-D2535
Work Table Dimensions	mm	600x490	600x700	510x390	500x300	500x300
Max. Workpiece Dimensions	mm	1185x740	800x1120	975x740	990x490	990x490
Table Travel X, Y	mm	500x400	500x600	400x300	350x250	350x250
Z Axis Travel	mm	350	350	350	350	350
Ram Servo Travel	mm	350	350	350	350	150
Max. Length of Electrode	mm	400	400	400	400	400
Min. Electrode Diameter	mm	Ø0.2 ~ Ø3.0	Ø0.2 ~ Ø3.0	Ø0.2 ~ Ø3.0	Ø0.2 ~ Ø3.0	Ø0.2 ~ Ø3.0
Max. Workpiece Weight	kgs	500	500	500	150	150
Dielectric	—	Water	Water	Water	Water	Water
Capacity of Dielectric	litres	100	100	100	20	20
Machine Weight (NW / GW)	kg	2000 / 2200	2200 / 2400	1900 / 2100	900 / 1000	850 / 950
Packing Dimensions	mm	1500x1800x2240	1900x1700x2400	1500x1800x2240	1300x1500x2240	1300x1500x2240
Machine Structure	—	Traveling Head	Double Column	Traveling Head	C-Type	C-Type

## Manual Specifications

MODEL	UNIT	AD-40A	AD-30A	AD-20A	AD-30	AD-20
Work Table Dimensions	mm	600x300	500x300	500x300	460x210	460x210
Max. Workpiece Dimensions	mm	1000x500	875x470	875x470	630x420	630x420
Table Travel X, Y	mm	450x350	350x250	350x250	300x200	300x200
Z Axis Travel	mm	350	350	350	350	350
Ram Servo Travel	mm	350	350	150	330	150
Max. Length of Electrode	mm	400	400	400	400	400
Min. Electrode Diameter	mm	Ø0.2 ~ Ø3.0	Ø0.2 ~ Ø3.0	Ø0.2 ~ Ø3.0	Ø0.2 ~ Ø3.0	Ø0.2 ~ Ø3.0
Max. Workpiece Weight	kgs	300	150	150	80	80
Dielectric	—	Water	Water	Water	Water	Water
Capacity of Dielectric	litres	20	20	20	20	20
Machine Weight (NW / GW)	kg	1000 / 1100	800 / 900	750 / 850	550 / 650	500 / 600
Packing Dimensions	mm	1450x1450x2240	1240x1210x2240	1240x1210x2240	1240x1210x2240	1240x1210x2240

## Power Supply Specifications

MODEL	UNIT	
Max. Current	A	25
Peak Current Setting (IP)	Steps	6
Pulse On-time Setting	Steps	9
Pulse Off-time Setting	Steps	9
High Voltage	Steps	3
Power Input	V	220 / 380 / 415
Max. Rating Power	KVA	4

**KENT Industrial (USA) Inc.**

1231 Edinger Avenue, Tustin, CA, 92780 USA

Phone: (714) 258-8526

Toll Free: 1-800-KENT-USA (1-800-536-8872)

Fax: (714) 258-8530

<http://www.kentusa.com/>

[sales@kentusa.com](mailto:sales@kentusa.com)

