

# DWC434

## Molybdenum Wire Cut EDM



### Product Features

Made in Taiwan

#### 1. Active Wire Tensioning Wheel Assembly :

The tensioning device ensures that the molybdenum wire maintains stable tension, preventing wire loosening.



**2. Electronic Detection :** Uses electronic sensors to detect wire breakage & loosening, with an LED warning system to notify issues—eliminating common problems with traditional contact-type designs.

**3. Z-Axis Electric Lifting Motor :** Unlike the conventional manual handwheel operation.



#### 4. Wire Tension Design Device :

Helps generate stable tension during wire installation, effectively improving wire installation efficiency and reducing the occurrence of wire loosening.

#### 5. Diamond Guide :

The machine head uses an enclosed water flow & guiding mechanism, optimizing cutting performance. Equipped with an open-type water spray plate suitable for general machining, making wire threading easier.



#### 6. XY-Axis Direct Drive Transmission :

X and Y axis movements adopt a direct-drive transmission system, combined with an AC servo motor, high-precision linear guide rails, and high-precision ball screws. This setup enhances movement speed, eliminates transmission response delays and cumulative errors, and improves positioning accuracy.

#### 7. Machine Travel Limit Protection Function :

X and Y axes adopt travel limit protection switches to ensure the motor does not exceed the travel range and avoid damage.

#### 8. 19-Inch Human-Machine Interface :

Equipped with a 19-inch display screen, offering an excellent user experience with an ergonomic design that makes operation easy and comfortable.



## Standard Specifications

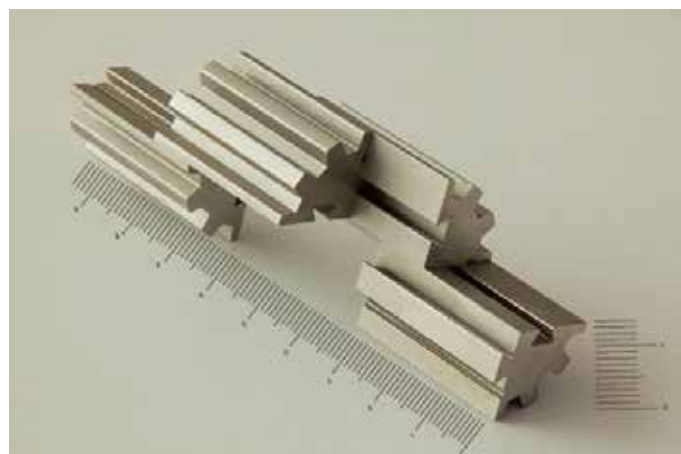
Model		DWC434
Work Tank (W.D)	mm	960 x 580
Worktable Area (X.Y)	mm	690 x 430
Worktable Travel (X.Y)	mm	450 x 350
Maximum Z-Axis Machining Height	mm	400
Machining speed	mm <sup>2</sup> /min	250
UxV axis Travel	mm	30 x 30
Maximum Cutting Angle	mm	±3°/ 50
Maximum Workpiece Dimensions(WxDxH)	mm	450 x 350 x 400
Maximum Weight of Workpiece	kg	350
Wire Diameter	mm	Ø 0.18 ~ Ø 0.2
Machine Dimension(WxDxH)	mm	1710 x 1850 x 2230
Net Weight	kg	1700

### Dielectric Filtration System

Processing Liquid Capacity	L	100
Machine Dimension(WxDxH)	mm	900 x 500 x 780

### Power Supply Unit

Machining Accuracy	mm	0.015
Power Input	kVA	3.0
Machine Dimension(WxDxH)	mm	700 x 580 x 1750
Net Weight	kg	180

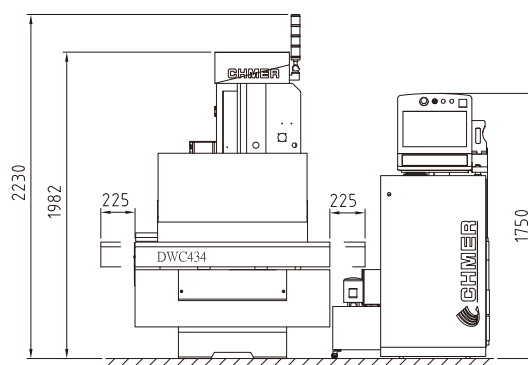
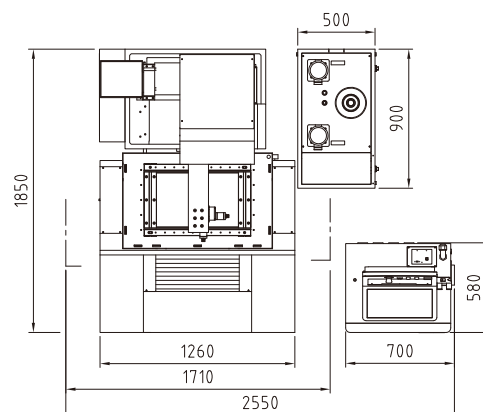


## Standard / Option

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Item	Unit	DWC434
Magnetic Adjustable Work Light	1	●
Machine Lubrication System	1	●
Electronic Wire Break & Slack Detection	1	●
Molybdenum Wire Ø0.18mm & Concentrated Machining Fluid	1	●
Machine Warning Light & Filtration Water Tank Set	1	●
Toolbox with Tool Set & Operation Manual	1	●
USB Port	1	●
X, Y Axis Ball Screw Protection Covers	1	●
U, V Axis Dual Stabilization System & Z-Axis Motorized Lift	1	●
Electronic Environmental Monitoring & Eco-Friendly Low-Pressure Mist System	1	●
Tension-Controlled Wire Threading System	1	●
Diamond-Coated Waterproof Guide Wheel & Wire Guide Pulley	1	●
Aluminum Cutting Device	1	○
Wire recycling device	1	○

## Machine Dimensions



CHING HUNG MACHINERY & ELECTRIC INDUSTRIAL CO., LTD.

No.3,JingKe 1st Rd.,Nantun Dist., Taichung City 408,Taiwan

TEL / 886-4-2350-9188 FAX/ 886-4-2350-0977

<http://www.chmer.com>

Wire Cut ▪ Die Sinking ▪ Drilling ▪ High Speed Milling ▪ Laser Machine



We reserve the right to amend the design and specifications of our products.