



Confidential

#636~7 Na-dong, Ezen-Mecazone, 117 Hwanggeum-ro,
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YOUGAR M&T INC.



Small-Hole EDM Drilling Machine

YGS-43C **Head Moving Type**



** The above is made under CE Standard which means the appearance of your order would be different with it.*



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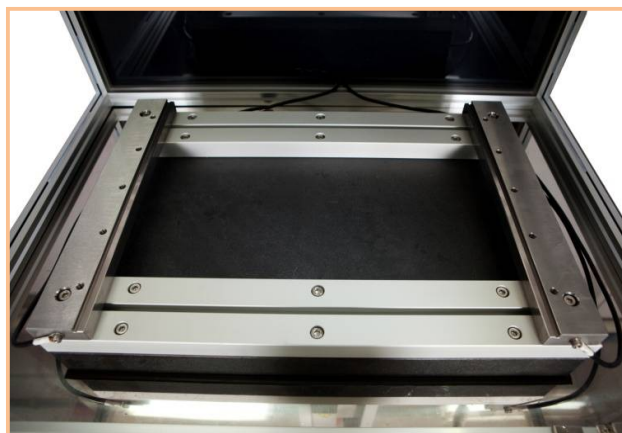
The Controller with New Appearance & Features Upgraded!



- **Industrial Windows PC Adopted**
 - ⇒ User friendly & Large 17" Touch screen
 - ⇒ SSD Disk offering Faster and Stable of Reading Speed
- Electrode Cutting Data Storage (E-Pack)
- Long Life Span
- Remote Access Service by On-Line
 - ⇒ Swift Maintenance Service & Software Update through "TeamViewer" by our engineer
- More Stable Control Body

Work Table

- **Granite Work Table**
 - ⇒ Stable base
 - ⇒ Maximize Precision
 - ⇒ No Corrosion Issue
 - ⇒ Excellent Electrical Isolator
- **Stainless & Aluminum Rail System**
 - ⇒ Enables easy fixing of work piece without extra fixturing(JIG)



Head Moving!

- **Head Moving Mechanism**
 - ⇒ Stable & Solid Work Table
 - ⇒ Work Pieces available up to "500 kg"
- **Precise and Fine Drilling**

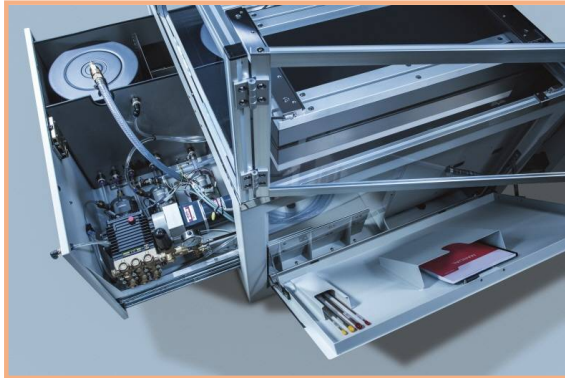


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Compact Design!

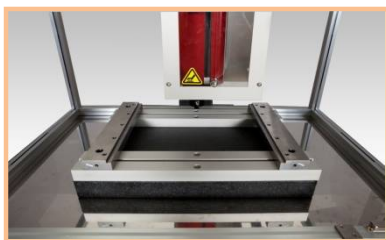


- **Filtration Tank with Resin(DI) Placed Inside**
 - ⇒ Minimizes shop floor footprint
 - ⇒ Eliminates need to purchase additional filtration units
- **Dual-Side Cabinet Design**
 - ⇒ Internal plumbing completely separated from electrical components for Safety
 - ⇒ Enough Extra Storage for Manual Book & Electrode tubes

AEC (Automatic Electrode Changer)

- Electrode Size for Changer: **0.3mm - 3.0mm**
- Number of Electrodes changeable: 20ea
- AEC equipped with Spindle Head
 - ⇒ Minimum Travel Distance
- **"Swift"** and **"Precise"** Tool change

"With AEC Type" and "Without AEC type" are available.



Perfect Details!

- Latest machine design with **Exquisite Details**
But **Solid** Machine Mechanism





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Machine & Software Features:

YGS AEC System	Automatic Electrode Changer: 20EA (range: φ 0.3 ~ 3.0)
Stepper Motor	Excellent Stability and High Precision Drilling
Precision Ball Screw	Precision Ball Screw controls up to 1μm Purse and enables High Speed Processing & Precise Working
LM Guides in all 4 axis (X, Y, Z, W)	Heavy Weight Handling & Extending Machine's Life Span
Granite Work Table	Solid Granite Work Table for stable drilling process & electrical isolator
Rail JIG System	Rail Jig System specially equipped enables Easy Handling of Work Pieces! (made of Stainless and Aluminum)
Internal Water Tank	Brilliant Choice for small Space & Clean and Compact Appearance
Waste Water Filtering System	Offering optimal Water Condition for Precise and Stable Drilling Result
Resin Exchange System	Resin Exchange System with Ion Quality Check Sensor keeps the Water in Optimal Condition for Drilling
Multi-lingual Control System	Multi-lingual & User-friendly Guidance system for easy learning & operation
PC-Base Control System	Ensures High Stability & Reliability and Easy Operation
Blind Hole Function	NC-Code enables Drilling Holes with different Depths
Automatic Functions	Automatic Edge Positioning & Centering
NC Program, G Code and DXF file Reading Function	
Network Connected	Easy & Swift Software update and maintenance service through Remote Access, Team viewer
Work lamp	LED work lamp

Basic Package Tool Box:

- Tool Box
- Neuron Bearing & Rubber O-Ring
- 2 Ceramic Guides & 2 Packs of 20 Electrodes (Brass & Copper)
- 1 pc of Electrode Holder
- 2 pcs of Standard Filter
- Operating & Maintenance Manual Book



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Specification

Work table size (mm)	920(width) x 680 (Depth)
X/Y/Z/W travel (mm)	450 x 300 x 400 x 345
Range of Electrode Diameter	φ 0.1-3.0 mm
MAX. Length of Electrode	400 mm
MAX. Height of Work Piece	350 mm
MAX. Weight of Work Piece	500 kg
Machine Net Weight	1,140 kg
Power Supply	Single phase 220V & 50/60HZ
PC	Industrial PC, 17" Touch screen & Windows System
Machine Dimensions (mm)	1,567 x 1,345x 2,130
Installation Dimension(mm)	2,217 x 2,100 x 2,450
AEC (Automatic Electrode Changer)	20EA (range 0.3mm - 3.0mm)

**** Due to continuous Research and Development,
 all specifications and design characteristics are subject to be changed
 without a prior notice!***