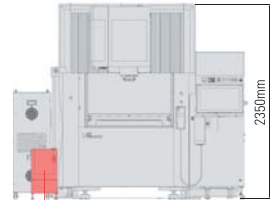


# U6 H.E.A.T.

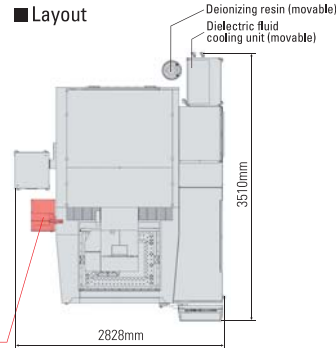


■ Front view



Large capacity wire spool loader (20 kg) (Select / Recommend)

■ Layout



## Machine specification

U6 H.E.A.T. (0.4 mm wire specification)		
Travels (X × Y × Z axis)	mm	650×450×420
Travels (U × V axis)	mm	±75×±75 <sup>*1</sup>
Table size	mm	910×710
Maximum workpiece size	mm	1000×800×400
Maximum dielectric fluid height	mm	455
Maximum workpiece weight	kg	1500
Height to table top surface	mm	1000
Usable wire electrode diameter	mm	0.1, 0.15, 0.2, 0.25, 0.3, 0.4
Maximum taper angle		±15 deg. / Plate thickness 100 mm Wire diameter 0.2 mm or more
Dielectric fluid tank capacity	L	920
Machine size (W × D × H)	mm	2828×3510×2350 <sup>*2</sup>
Machine weight	kg	5300 <sup>*3</sup>

\*1 Axis travels in the range of X axis 25 to 625 mm for the U axis and Y axis 25 to 425 mm for the V axis  
\*2 When the filter box door is open; Height 2440 mm  
\*3 Including accessories device

### Standard Specifications

#### Machine specification

- H.E.A.T.
- Water submerged machining specification
- Taper machining unit
- PICO guide specification
- Vertically sliding tank door (door height 2 steps)
- Dielectric fluid height adjustment function
- Square table
- 0.05 μm scale feedback (X, Y axis)
- Automatic wire threading unit
- Fine hole automatic wire threading function
- Dielectric fluid filter unit (4-pcs)
- Deionizing resin (20 liters × 1)
- Stainless steel jet filter case
- Booster power supply
- Dielectric fluid cooling unit
- Machining fluid splatter cover
- Electric antirust unit
- Work light (LED)

#### Power supply / Control Unit Hyper i

- Large high definition monitor (touch panel)
- Multifunction portable operation panel
- HyperConnect
- Email notified function
- Automatic power failure recovery
- Ethernet 1000BASE-T/100BASE-TX/10BASE-T
- USB flash memory interface
- Anti-virus software
- EDM Explorer
- EDM Assist video

### Optional specifications

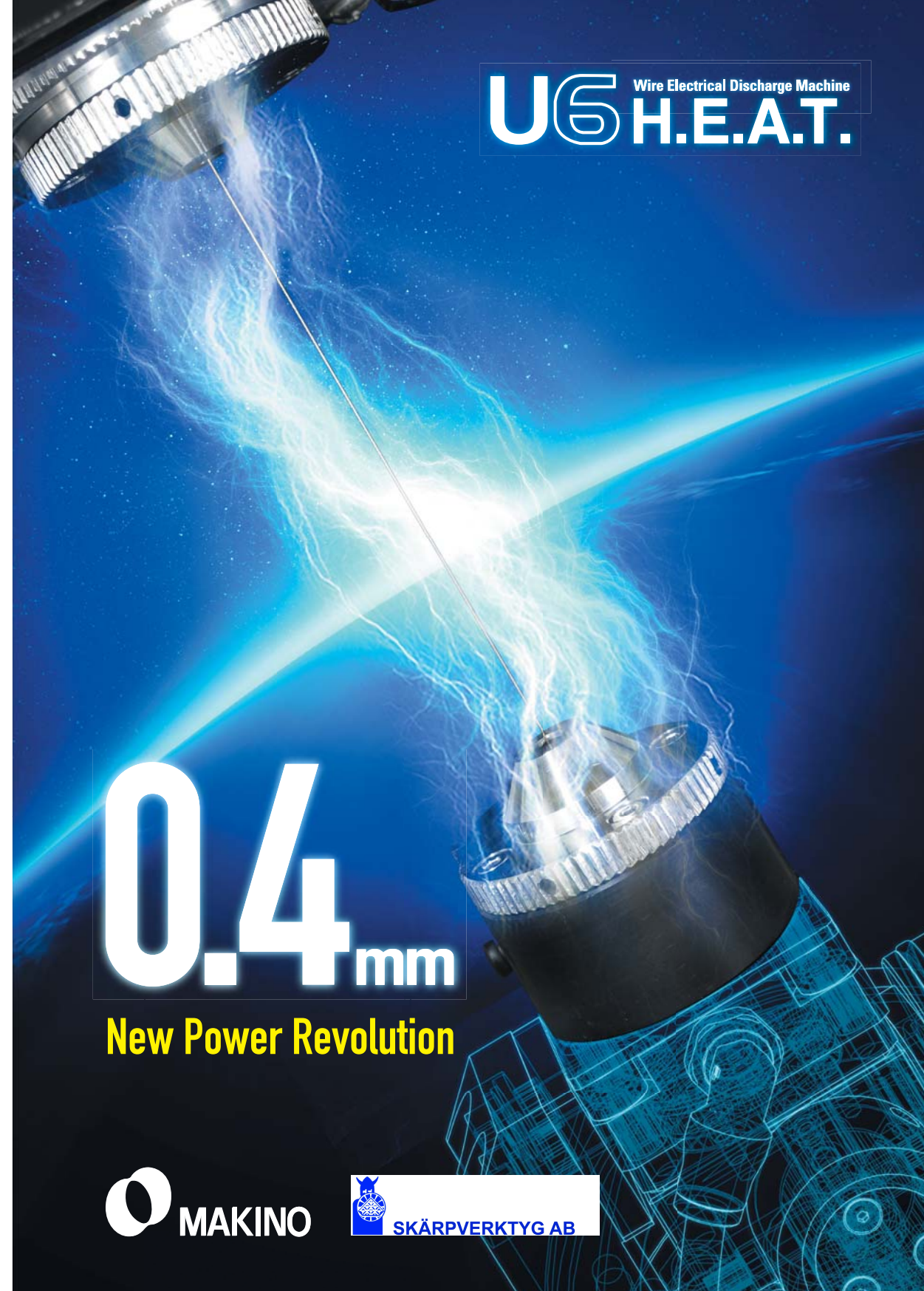
#### Optional equipment

- Folding type wire box
- Customer specified machine color
- ◇ Large capacity wire spool loader (20 kg) (Select / Recommend)
- ◇ Angle cut set (PICO guide, wire diameter 0.2, 0.25 mm)<sup>\*1</sup>
- ◇ Jet nozzle (0.5, 0.7 mm diameter)
- ◇ Clamping tool
- ◇ Taper calibration jig
- ◇ Automatic water supply unit
- ◇ Workpiece washing gun
- ◇ Maintenance set
- ◇ Standard supplies set (standard consumables set)
- ◇ Alarm signal tower (1- or 3-layer)
- ◇ Program Master
- ◇ External keyboard & mouse
- ◇ Additional monitor (including external keyboard & mouse)
- ◇ WIZ CAM system for Wire-EDM (Built-in)
- ◇ Circuit breaker
- ◇ I/O interface RS-232C
- ◇ MEL Machine kit
- ◇ MEL Development kit

\*1 There are limitations to automatic wire threading. Height up to 70 mm.

\* For taper machining larger than ±30 degrees, the automatic wire threading jet must be removed. In this case, it will be manual wire threading.

■ Optional specifications are not retrofittable.



# U6 H.E.A.T. Wire Electrical Discharge Machine

# 0.4 mm

## New Power Revolution

SKÄRPVERKTYG AB  
Kråketorpsgatan 10, 43153 MÖLNDAL  
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Atsugi and Fuji Katsuyama works are certified for ISO14001 and ISO9001.

\*The specifications, figures, and overviews of products, peripheral devices and accessories in this catalogue may be changed without prior notice to incorporate improvements resulting from ongoing R&D programs.

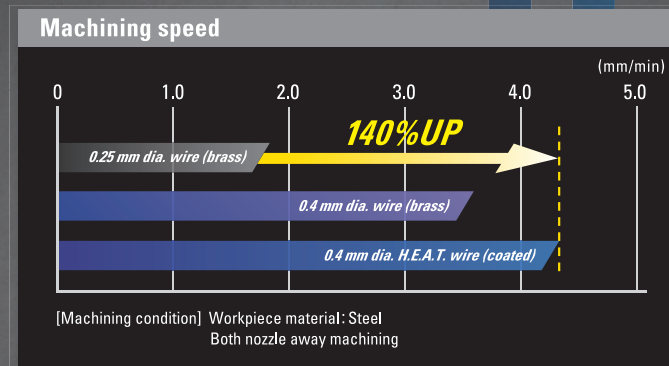
\*The all products in this catalogue include the optional specifications and equipment.

\*The products, including technical data and software, may be subject to the Foreign Exchange and Foreign Trade Law in Japan. Prior to any re-sale, re-transfer or re-export, please contact Makino to obtain any required authorization and approval.



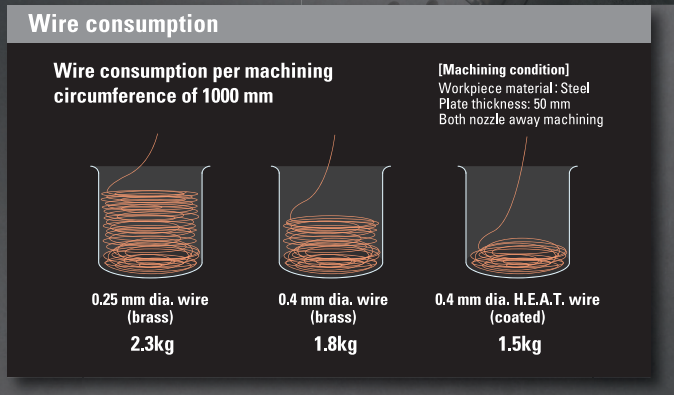
## The most powerful wire electrode diameter 0.4 mm

The machining speed is more than double that of 0.25 mm wire.  
We promise the highest machining efficiency.



## Cost performance increases at eco-speed

Eco-speed function that keeps wire consumption to a limit while maintaining the wire speed.  
The amount of wire required per machining path length has been sharply reduced.



# 0.4 mm

New Power Revolution

## The power of "H.E.A.T.", our unique function that can meet difficult requirements as well

Multiple parts machined by additive manufacturing have complex shapes. The nozzle at the tip of the head cannot be in close with each other even if it is desired to conduct cut away machining, and the flushing for discharging the chips is difficult to reach. Even under such adverse conditions, by combining 0.4 mm wire and high-speed both nozzle away machining H.E.A.T., machining can be performed without any problem.

Machining with 0.4 mm wire is also effective in the cross-sectional inspection of products. Productivity of parts machining, such as cutting, is sharply improved.