



## Mid-speed Wire-cut Electrical Discharge Machining with AWT

Product model KM640AWT

HANDY

EFFICIENT

INTELLIGENT

ECONOMICAL



High-performance automatic threading model >>>

01 Automatic threading

03 Automatic scrap disposal

02 Fully automatic AR parallel compensation,  
can be leveled without hitting the meter

04 Intelligent detection of workpiece height,  
achieving unmanned operation

## Main Technical Parameters >>>

Model	KM640AWT
Maximum workpiece size (Workbench Size) (mm)	1060×650 ( 840×580 )
Worktable travel (W*L) (mm)	600×400
Maximum cutting thickness (mm)	250
Maximum load (kg)	900
Z-axis travel (mm)	300
Travel of U, V Axes (mm)	70×70
Standard cutting taper (°/mm)	±10° /100
Diameter of molybdenum wire (mm)	0.1-0.2
Multi-knife cutting accuracy (mm) (15×15 Equilateral Hexagon, Cr12, S=40)	≤±0.003
Repeat positioning accuracy (mm)	≤±0.002
Optimum surface roughness(μm)	Ra≤0.8 (Optional 0.4)
Processing speed (mm <sup>2</sup> /min)	100 ~ 220
Dimension(L*W*H) (mm)	2200×2200×2400
Weight (kg)	≈2800
Electrical power consumption (KVA)	3
Work tank capacity (L)	120

## Main features of this machine >>>

Easy to learn and operate, apprentices can quickly become master technicians, with five-axis CNC system core technology, which is completely self-developed

01 Handy

Nanosecond anti-electrolysis high-peak pulse power supply, the actual processing speed can reach 200mm<sup>2</sup>/min

02 Efficient

After tens of thousands of actual processing, an "intelligent database" has been developed, which only needs to input the processing requirements

03 Intelligent

Using flat plate high-thrust linear motor, high-precision imported optical ruler, the accuracy requirements can be maintained longer, no need to replace the guide screw, bearing, etc. of the machine tool at a high price

04 Optional