



EDMMax FC45HW

Horizontal, Inverted, Submerged Fast Wire EDM

New from Taiwan. U.S. Patent pending.

EDM Network, Inc. in collaboration with **I-Smart of Taiwan** introduces the first pure water-based Fast Wire EDM. The new FC45HW Fast Wire EDM is a **horizontal-cutting, submerged Fast Wire EDM** that cuts the build plate in the inverted position. This allows for the 3D metal printed parts and test coupons to gently float to the bottom of the work tank into a basket for easy retrieval. Fast Wire EDMs are perfect for the interrupted cutting of 3D metal printed parts as the fast-moving wire does not require high pressure water for speed. **Reusable wire and low power consumption keeps the operation cost to approx. \$1.00/hr.**

Inverted build-plate. In position for cut-off.



Unlike any other Fast Wire EDMs, these are quality made in Taiwan and incorporate these unique features:

- Cuts in pure Deionized water - no additive!
- Cuts with inexpensive brass or moly wire that is reused!
- Cuts with build plate inverted to allow the cut parts to float to the bottom of the tank for easy retrieval.
- Very small footprint - 63x71".
- Incorporates both AC and DC power for all metals: Titanium, Stainless, Inconel, Tool Steel, Aluminum, etc.
- Easy to thread a new 300 meter load of brass wire. Cut time approx. 25-40 hours/load.
- Easy alignment of the wire to the build plate.
- Handles all build plates up to 400x400mm with builds up to 500mm tall (400x400x500mm). The larger FC64HW available to 650x650x500mm.
- Optional AL46 load cart available to invert and load the build plates - no lifting!
- No break-in of new wire.



1
Load build plate
to carrier plate - upright.



2
Load cart inverts assembly.

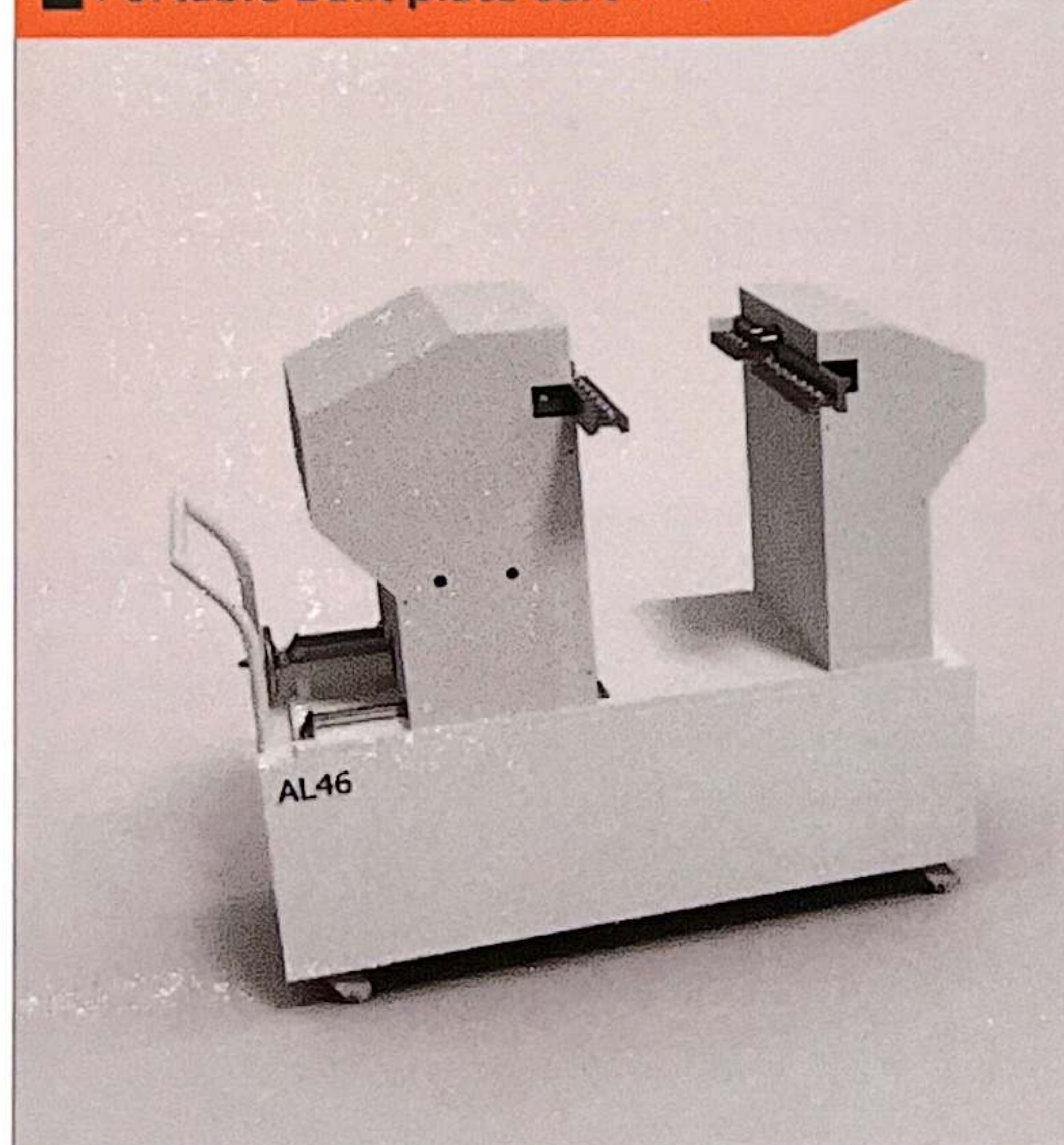


3
Carrier plate loaded
into EDM on rollers.
3 draw bars allow
for positive location.

4
Inverted carrier and
build plate now attached
to Z-axis for wire alignment.
Build plate ready to cut.



■ Portable built plate cart, optional.



EDMMax Fast Wire EDMs:	FC45	FC64
Water Tank	116.2 gal./440 l	137.3 gal./520 l
Floor Space Requirement	62.9x70.8" / 1600x1800mm	78.7x86.6" / 2000x2200mm
Max. Machine Height	98.4" / 2500mm	98.4" / 2500mm
Net Weight	3970 lbs./1800 kg	4850 lbs./2200 kg
Y Axis Travel	16.1" / 410mm	24.6" / 625mm
Z Axis Travel	7.9" / 200mm	15.7" / 400mm
Table Work Area	15.7x15.7x19.7" / 400x400x500mm	24.6x24.6x19.7" / 625x625x500mm
Max. Table Load	176 lbs./80 kg	440 lbs./200 kg
Feed Rate -/Y/Z	9.8"/s - 250mm/s	9.8"/s - 250mm/s.

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