

DEPTA HFN

High Frequency Welder  
foot pedal operation

- Universal usage for PVC, PET, PU
- High weld precision and efficiency
- Small footprint and great work ergonomics
- Easy action through pedal/toggle to reduce operator fatigue
- Energy efficient RF generator with smooth power regulation
- Protective fixed guard - working table HF shielded and filtered



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DEPTA HF4N is the smallest machine in a large family of ZEMAT TG HF welders. It is robustly constructed and designed for accuracy and long life, and features a very positive steel head mounting slide formed with a double "V" mechanism.

For seaming type work, a small tool mount is recommended to give good visibility and access to the work area. For other applications a large mount can be supplied giving rigid support over a wide tool area. Facilities are also available to increase the throat space, where excess materials have to be positioned behind the tooling.

The machine is widely used in medical, automotive and clothing industries for welding small add-on parts, like tubing, air and fluid valves, hooks, grommets, plates, etc.

DEPTA HF4N have a HF power output from 0.5 to 4kW. Machine is a perfect tool for auxiliary production where precision, manual approach, durability and strength are the keys.

ZEMAT TG always puts quality, precision, efficiency, safety and design simplicity first!



### Main applications:

- Medical and healthcare equipment
- Automotive parts and interior design elements
- Electronics and computer supplies
- Packaging and office accessories
- Protective clothing
- Reflective materials and signage

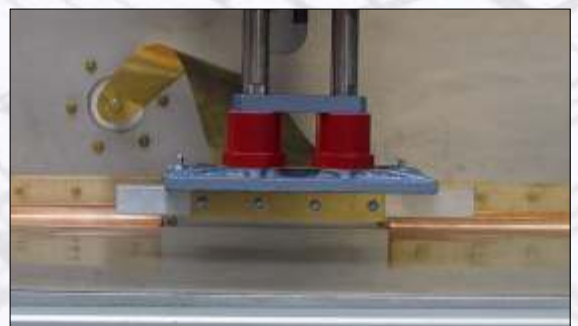
### Technical and Safety Features:

- Precision line, spot and curve welds
- Three stage power with PLC control
- Simple weld setup and easy to operate
- Can utilise various shapes and sizes of electrode
- Backflow HF emission protection
- Output overload protection with warning indicator/reset
- Standard work table 400x600mm
- Foot pedal with double "V" mechanism
- Hi-Q cavity stable HF generator
- Ultra-fast sensitive ARC sensor and AntiFlash protection
- Manual, semi-automatic operation
- CE, EMC, EU, FCC and OSHA compliant

\*\* Custom built tooling and electrodes available upon request. We have our own in-house tooling shop which will make any electrodes and dies your production requires.

\*\* Each machine is built according to customers needs and production specifications. We can modify and adjust any of the above parameters if required at additional cost.

\*\* Our welders fully comply with CE regulations for EU Radio Frequency Machine Standards, EMC, FCC and OSHA and have EQM European Quality Mark.



TECHNICAL SPECIFICATIONS	HF4N
Power consumption – idle	0.275 kVA
Power consumption – maximum	7.1 kVA
Installed power	6kVA
Working Frequency	27.12MHz(+/-0.6%)
Output power - regulated	2 - 5 kW
Max. line current (breaker)	3 x 16 A
Electrical supply	3x 400V; 50 Hz
Oscillator type (Air Cooled)	Ceramic/metal
Anti flash / Arc sensor	Tyatron
Electrode stroke mechanism	Double V foot pedal
Down stroke pressure	0 - 500 kG
Electrode mounting bar	55 mm
Weight	150 kG
Welding surface	87.5 cm <sup>2</sup>
Tooling clearance	70 - 160mm
Material handling clearance	80mm sides/200mm front
Work table surface	350 x 630 mm
Dimensions L x W x H	700 x1000 x 1360mm