

SUPRA MAX

High Frequency Welder
for Stretch Ceilings' PVC Films and Harpoons

- Universal usage for PVC film or harpoon welding
- C-frame modern design
- High weld precision and efficiency
- Plexiglass worktable with weld inspection light
- Weld/cut electrode for film and flat grooved for harpoon - 670mm long
- Small footprint and great work ergonomics
- Smooth power output settings
- Pneumatic front gate limiting HF emission
- Precision electrode downstroke positioning slide
- SafeDOWN™ anti-crush safety system
- Two push-button or foot pedal operation



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Made in European Union



Zemat Technology Group is a leading European design and manufacturing company of high frequency welding machines and auxiliary processing equipment

SUPRA MAX- quick overview

Special Edition SUPRA MAX HF Welder is designed specifically for use in production of Stretch Ceiling (French Ceiling) interior design elements. The machine is equipped with special high grade welding/cutting electrode to achieve perfect straight line "invisible" seam. SUPRA HF Welder has universal application for both: PVC film welding and Harpoon welding with the use of special patented IAW™ "Inverted Airplane Wing" shape tooling. Cork coated work table allows handling of very thin and delicate films and backlit weld area helps to visually inspect weld precision and quality.

Pneumatically driven welding bar is moved up&down with the use of foot switches allowing the operator both to use both hands for exact material positioning under the electrode, while ZTG SafeDOWN™ anti-crush safety system and pneumatic lock down front gate assures the safe work environment.

The machine can be upgraded (if needed) with additional length work tables for easier film and harpoon positioning during weld cycle. It can be converted easily into a advertising banner/billboard welder with the use of special wide weld electrode or any other straight bar or spot HF welder.

Main applications:

- PVC Stretch Ceilings interior design elements
- Indoor and outdoor lightning fixtures
- 3D and molecular decoration structures
- Advertising signs and billboards
- Protective clothing
- Reflective materials and signage

Technical and Safety Features:

- Custom designed for specialty PVC or PU films
- Universal usage for foil weld/cut and harpoon weld
- Flexibility to add extra tables for larger format products
- Optional laser projection guide for easy positioning
- Front Panel HMI with ability to set time and HF weld cycle parameters
- Direct operation with triode interdiction
- Safety screws on panels / safety switches on detachable panels
- Safe HF Welding operation with necessity to press two "Start" buttons
- Special design IAW™ harpoon tooling
- Weld/cut electrodes for "invisible seam" welding
- ZTG SafeDOWN™ anti-crush safety system
- Ultra-fast sensitive ARC sensor and ZTG AntiFlash™ protection
- Stable and efficient HF generator
- CE, EMC, EU, FCC and OSHA compliant

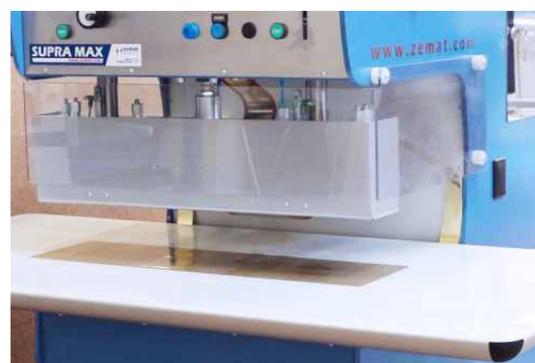
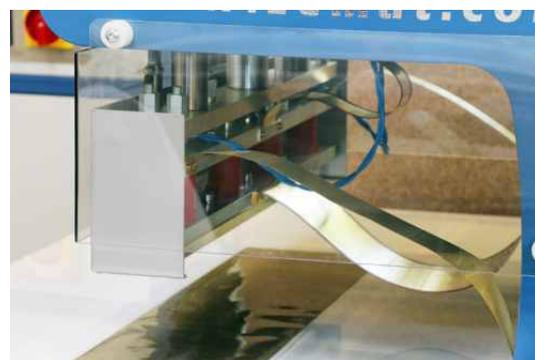
Custom built tooling and electrodes available upon request. Each machine is built according to customers needs. We can modify and adjust any parameters if required at additional cost.

Our machines fully comply with CE regulations for EMC, FCC and OSHA standards.

Technical specification

Supra Max

Output power	4 kW
Installed power	6 kW
Main fuse	25 A
Power supply	3 x 400 V; 50 Hz
Working frequency	27,12 MHz ± 0,6%
Power tube	air cooled metal-ceramic triode
HF Auto-tuning System (ATS)	standard
Antiflash system	standard, ZTG Antiflash™
PLC control panel	HMI Unitronics Jazz
Electrode pneumatic press (at 0,4 - 0,8 MPa)	up to 300 kg
Electrode drive	pneumatic
Electrode length (standard)	670 mm
Space behind electrode	500 mm
Compressed air consumption	8 nl/cycle
Electrode working stroke	120 mm
Work table size	1500 x 720 mm
Welding surface (max)	100 cm ²
Dimensions (W x D x H)	1500 x 1360 x 1700 mm
Weight	450 kg



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