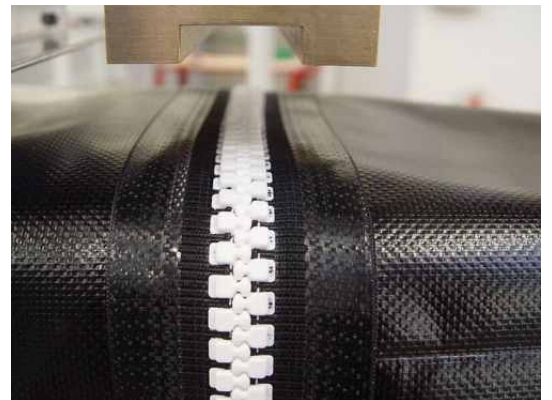
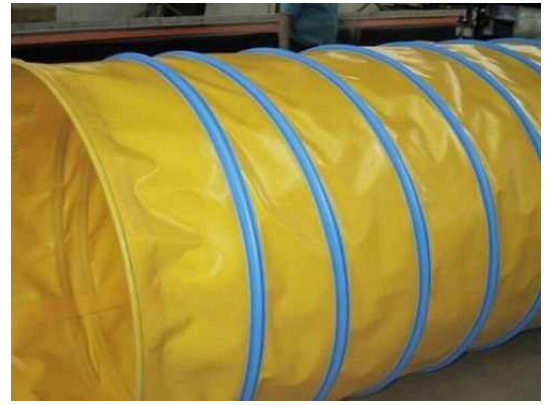


DUCTA

Unique High Frequency Welder
for Air Ducts, Flow Channels and Tubing

- Universal usage for PVC, PU, PET welding
- Designed especially for ventilation tubes and air ducts production
- Possibility to weld zips and stop curtains
- Easy conversion to straight lines welding
- Space behind the electrode for material placing up to 1200 mm
- Top and bottom electrodes for high precision of welding
- Ergonomic design



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

DUCTA - quick overview

- **DUCTA** HF welding machine is a unique solution for the production of different size of ventilation tubes, ducting and other forced air feeding solutions. Due to especially designed two part electrodes we are able to weld various radiuses of round shaped products.
- The machine can be easily converted to zips and straight lines welding. Large material volumes can be laid out behind the electrode to fulfill high requirements of production.

Main applications:

- Ventilation tubes
- Air ducts, Flow channels and tubing
- Round shaped soft PVC channels
- Safety equipment
- Zips welding

Features:

- ZTG Antiflash™ electrode protection system
- Operation control with potentiometer
- Direct operation with triode interdiction
- Built-in grid signal filter
- Ergonomic design and flexibility of use
- Small footprint for easy setup in any factory
- Reliable HF generator
- Simple setup and operation
- Fully CE, EMC, FCC and OSHA compliant

Technical specification

DUCTA

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 (ZTG Antiflash™)	standard
PLC control panel	remote panel touch screen HMI
Electrode pneumatic press (at 0,4 - 07 MPa)	80 - 500 kg
Compressed air consumption	12 nl/cycle
Electrode stroke	160 mm
Electrode holding plate	100 x 200 mm
Distance behind the electrode	500 - 1200 mm
Welding surface (max)	100 cm ²
Weight	500 kg



- 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.

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