



LAME CHAUFFANTE / HOT PLATE



HOT-PLATE RANGE FUSION 3820



MECASONIC
Plastic Welding Solutions

mecasonic.com





Offreurs de solutions
Industrie du futur

We are PWS+

** Plastic welding solutions*

Founded in 1969 for the manufacture of ultrasonic welding equipment, MECASONIC joins the Crest Group in 2000 and becomes one of its technology centers by developing six welding technologies: ultrasound, rotation, heating blade, vibration, the laser and the hot air

Our leadership is fueled by our ability to innovate and meet the expectations of our customers in sectors such as food, automotive, cosmetics, household appliances, electronics, recreation, medical, metals, food and beverage, packaging, textiles and many more.

Member of the French alliance industry of the future, and recognized as suppliers of 4.0 industry solutions, we are also a connected player of the 4th industrial revolution to become.

HOT-PLATE WELDING With the FUSION 3820

This compact hot-plate welding machine, with efficient and robust conception is ideal for the medical and automotive industry.

Hot-plate welding SLC 3820 is equipped with automatic preheating, quick tool changeover and many control systems.

It is equipped with premium accessories, available in a large distributor network.

Features :

The fusion 3820 hot-plate machine is ergonomic and robust. It allows unmatched quality and high repeatability weld.
Hot-plate welding consists of two stages :
The two parts to be joined together are pressed on a heating element with temperature slightly higher than melting point. When the part melting point is reached, the two parts are removed from the heating element and the parts to be welded are pressed together until the solidification.

Width	700 mm
Depth	1 220 mm
Height	2 120 mm
Weight	400 kg

FUSION 38.20



Non-contractual pictures

Characteristics :

- Electrical power supply: 240 V - 20 A.
- Pneumatic supply: 6 bars dry air.
- Maximum tool plate surface: 380 x 200 mm opening height: 508 mm
- Maximum hot-plate surface: 360 x 200 mm
- Vertical hot plate stroke : 25 mm
- Hot plate forward/back stroke : 320 mm
- Upper head stroke : 250 mm / strenght 3000 newtons
- Speed, head and hot plate movement adjustment by SMC graduate flow regulator.
- Tube welded steel profile frame with epoxy coating
- Thermal screen protection
- Screen operator protection with dual safety puch buttons
- Double integral door for tooling acces with safety switch.
- Tooling harting plug with two pneumatics control, four input for lower and upper tool. (Pneumatic connection with Parker/Legris couplers)
- Siemens PLC with 7 inches color display, with coding hot plate connector tooling trough 3 contacts
- 7 memorize tools programs
- 2 temperature regulations for upper and lower heating aeras with load breack control, 2000W max per aeras

NB : Characteristics given can be modified without notice.

Advantages

- ✓ Weld mechanical resistance until 1/3 to 1/3 superior to the vibration welding.
- ✓ Improved Sealing
- ✓ Contained and not detachable flashes, without pollution.
- ✓ Almost total freedom shape of the welding surfaces.
- ✓ Quick production speed.
- ✓ Enhanced strokes for optimized rate.

Handling by fork lift truck or lifting trailer or Gantry crane (Using, fixing point on the machine frame.)

Serial equipment :

- Electrical et pneumatical cylinder, air treatment, last generation electric servo-valve, FESTO
- HIWIN mechanical guiding
- SIEMENS automatism with cycle by cycle function for adjustment and maintenance.
- Touch sensitive display 16 millions colors 7 inches résolution 800x480 pi, with all together control and parameters production with 3 access code level - production/maintenance/administrator
- Programmable cycle start and starting condition.
- Base mécano welded frame with epoxy coting and upper ELCOM frame, with stainsteel 316L integral fairing protection.
- Double integral door for tooling access, with safety switch.
- Integrated Extraction hood 350 m3 / hour.



Multiple applications

This compact dimensions hot-plate welding machine with efficient and robust conception is ideal for the medical and automotive industry.

Examples :

- Automotive parts welded by hot-plate.
- Filter cartridge welded by hot-plate.
- Iron tank welded by hot-plate.



Non-contractual pictures



-> Exemples of pièces welded by hot-plate

From our industrial site in Juvigny, France...

We are steering operations linked to our local and international markets. The support of our various partners across all five continents has helped us expand our field of activity and offer our clients personalised service effective throughout the world.



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- England
- Argentina
- Belgium
- Brazil
- China
- South Korea
- Denmark
- Spain
- Finland
- Indonesia
- Italy
- Japan
- Malaysia
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