MECASONIC
Plastic Welding Solutions

LAME CHAUFFANTE / HOT PLATE

# HOT PLATE
## RANGE

FUSION 70.50


Offreurs de solutions
Industrie du futur

MECASONIC
Plastic Welding Solutions

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MADE IN FRANCE


We are
PWS+
Offreurs
de solutions
Industrie du futur
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.
MMember 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.
+ Plastic welding solutions

# Hot plate welding devices :

## productivity, quality, sécurity


FUSION 38.20


FUSION 58.35


FUSION 70.50

not compliant pictures

**Our range of hot plate welding devices, with a simple and robust conception, is as much perfect for the medical industry as for the automotive industry.**
**Our FUSION hot plate welding devices are equipped with automatic preheating (depending on the model), quick tool change and a number of control systems. They also possess premium accessories, trusted and available from many distributors around the world.**

## Principle

The hot plate welding process is comprised of two phases:

The two parts to be assembled are pressed against a heated tool, the temperature of which is slightly higher than melting temperature. When adequately melted, the two parts are separated and the heated tool is removed. The two parts are pressed against each other until they solidify.

The hot plate welding process offers mechanical resistance of up to 1/3 higher than vibration welding, tighter sealing, controlled, non-detachable flash, zero pollution in the components welded and freehand finishes on almost all welded surfaces.

| Type | 3820 | 5835 | 7050 |
|---|---|---|---|
| Maximum surface | 380 x 200 mm | 580 x 350 mm | 700 x 500 mm |
| Course presse | 250 mm | 320 | 400 |

| Type | 3820 | 5835 | 7050 |
|---|---|---|---|
| Width (mm) | 700 | 1 220 | 1 350 |
| Height (mm) | 2 120 | 2 500 | 2 680 |
| Depth (mm) | 1 220 | 2 080 | 2 700 |
| Floor area (m2) | ?? | 2.06 | 3.03 |
| Weight (kg) | 400 | 2 000 | 2 500 |

## Characteristics

- Electric power: 240 V – 20 Amperes or 400V three-phase + Neutral (according to the models)
- Air Pressure: 6 bars clean and dry.
- 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 push 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 through 3 contacts
- 2 temperature regulations for upper and lower heating aeras with load break control, 2000W max per aeras

NB : Characteristics given can be modified without notice.

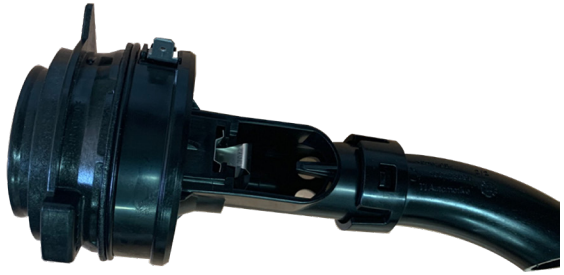
## Advantages

√ Mechanical resistance of up to 1/3 higher than vibration welding
√ Increased seal tightness
√ Controlled and non-detachable flash and zero pollution in the welded enclosures
√ Freehand finishes on almost all welded surfaces
√ Quick production speed
√ Enhanced strokes for optimized rate.

# Multiples applications

These hot plate welding devices with their simple and robust conception, are perfect for the medical industry, for the automotive industry and for homeappliance industry.

Examples of hot plate welded parts:
- Filter cartridge
- Tank for washer fluid, engine coolant and brake fluid
- Iron tank
- Floating buoy for pearl farm



-> Examples of hot plate welded parts

## 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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