



MATRELEC

Soudure Haute Fréquence

Designer and manufacturer of presses
for welding plastic materials

www.matrelec.com

Initial HF RANGE

Single-user
high-frequency
welding machines

A RANGE DESIGNED FOR SMALL RUNS

To meet your needs, Matrelec offers a range of high-frequency welding machines suitable for small run production: single-user, with foot control and different throat depths, quick tool changes, etc.

These presses allow you to precisely position your material, and enable simple and functional manual operations.

The Initial HF range is ideal for welding, marking and cutting PVC, PU, EVA sheets, PVC or PU coated fabrics, and any material with dielectric losses.

Initial Range Advantages

- The built-in generator makes the machines compact and easy to move.
- Welding parameters saved in the form of recipes, allowing for quick series change.
- Easy to set up: control panel with touch screen.
- Many materials can be cut and welded: PVC, PU and EVA, etc.
- Press bed temperature conditioning for long welds, high speeds or complex materials such as PETG or EVA.
- Consistent quality, easy to monitor and weld traceability using WAA Technology®
- Precise product positioning using the pedal control.
- Mobile tools may be used.
- Consistent weld thickness using micrometer stops.



420mm throat



Rolls



Positioning laser



780mm throat



Rotating table option



Manual table option



1500mm throat



Remote console



Side control

CCM80 Press
Power: 6 to 8kW

The CCM80 machines are high-frequency thermal welding presses with a deep 420mm throat and no earth plate, allowing the space behind the electrode to be freed up without being hindered by an earth plate. They are perfect for two people working together with the dedicated dual operator mode, easily accessible controls, and excellent work area visibility provided by the reduced height and width of the tool holder as well as the height of the clearance under the electrode, making face-to-face work easier.

Advantages

- Safe and optimized work for two operators.
- Clear welding area.
- Quick tool attachment via T-slider.
- Multiple power levels for using small tools.
- Welding of long lengths up to 800mm.
- 420mm throat and no earth plate.

C Press
Power: 6 to 10kW

C-throat presses with a 780mm depth behind the electrode, facilitate the welding of large and bulky products. For creating welds over long lengths a mobile table can be added, which avoids moving the material and thus prevents scratches on the glassine.

Advantages

- Easy to handle the material thanks to the deep 780mm throat.
- Welding of long lengths up to 800mm.
- Quick tool attachment via T-slider.
- Option without earth plate, allowing the use of 800 x 600 tools.

CP Press
Power: 10 to 15kW

These deep throat welding presses are perfect for producing large products with a 1500mm passage to the back of the head, allowing the material to be rolled, for example. The control panel can be placed on either side of the press, there is access all around the machine and the pedal allows work on three sides. Finally, the temperature conditioning of the head allows welding on long lengths without heating the electrode.

Advantages

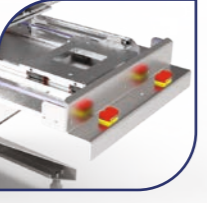
- Easy material storage and handling thanks to the deep 1500mm throat.
- Long length welding up to 1200mm.
- Option of working on the side of the machine by selecting side operation.
- Pneumatic tool clamping, and optional dovetail slide or T-slot.



340mm throat



Sleeve



Mobile table option

CCM30 Press
Power: 3kW

This small press with pedal control is ideal for two-handed work and there is full access as there is no earth plate, thus facilitating the welding of details or finishes. For precision work this machine can be fitted with an enclosed automatic transfer table or a sleeve board for difficult parts such as tubes, sleeves or any other parts that cannot rest on a table.

Advantages

- Easy to use thanks to the pedal control.
- Pneumatic assistance (420kg).
- 4 power levels, allowing for work on small surfaces, from 1cm².
- Full access: no earth plate.
- Numerous options for delicate works, or product corrections or finishes.

Throat	340mm	420mm	750mm	1500mm
Dimensions L x W x H	800 x 1040 x 1700	950 x 1775 x 2083	1940 x 2135 x 1300	1280 x 2500 x 2130
Weight	160kg	1000kg	1800kg	1T2
Max HF power with electrode	3kW	6 to 8kW	8 to 15kW	De 10 to 15kW
Maximum welding surface	80cm ²	160cm ³	De 160 to 500cm ³	De 300 to 500cm ²
Maximum pressure	420kg	800kg	1,2T	1,8T
Space available under head	150mm	210mm	175mm	200mm
Type of force	Pneumatic			
Feed	1 phase + Neutral 230 V 50 Hz		3 phases + Neutral 400 V 50 Hz	

WAA TECHNOLOGY

[exclusive]

Developed by Matrelec engineers, WAA Technology® provides automatic power adjustment and welds that are saved as graphic curves, which is essential for traceability and reproducibility.



- Consistent weld quality
- Weld or material fault logging
- Last 1000 welds saved
- HF stress distribution monitoring in real time

“ As today's leader in the design and manufacture of blister packaging machines, and high-frequency, pulse or thermal welding machines, we have developed the installation, maintenance and training skills to support you throughout your project. ”

UNINTERRUPTED PERFORMANCE

Our **maintenance contracts** ensure that your machines are reliably and regularly maintained so that they are used under the best possible conditions.

Our services

- User, maintenance staff and management training.
- Troubleshooting and preventive control.
- Examination of your machine at pre-established intervals according to a list of criteria defined by the experts at Matrelec.
- Full responsibility for the planning and execution of preventive inspections.
- Contracts providing access to reductions on standard consumables and certain spare parts.
- Interventions in under 48 hours (depending on the contract).
- Helpline.
- Shipping of spare parts, maintenance parts or consumables in under 24 hours.



CONTINUOUS MONITORING WITH THE LUDITAG SYSTEM



The Luditag RFID system installed on your machines provides a monitoring and management platform for your equipment.

Our technicians can therefore be informed in real time of the status of your equipment and plan preventive or corrective interventions as soon as possible. Your production tool becomes more reliable than ever before and allows you to plan your production accurately and with no surprises.



- Monitor interventions to be carried out
- Check work carried out and future work
- Direct access to different parts lists and diagrams for your Matrelec machines
- An intuitive online platform that lists all of the machines in your stock and the status of each one.
- A mobile application to manage interventions and check the operations carried out, as well as any future work.
- Simplified management of meetings and planning that is accessible 24/7
- Direct ordering of spare parts from your dedicated space, delivered in 24 - 72 hours depending on stock.



To subscribe to an annual control, and optimize the availability and productivity of your machines, contact our After-Sales Service on +33 (0)3 20 75 25 75 (Lille) or +33 (0)4 78 44 80 80 (Lyon)

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