



Designer and manufacturer of presses
for welding plastic materials

www.matrelec.com

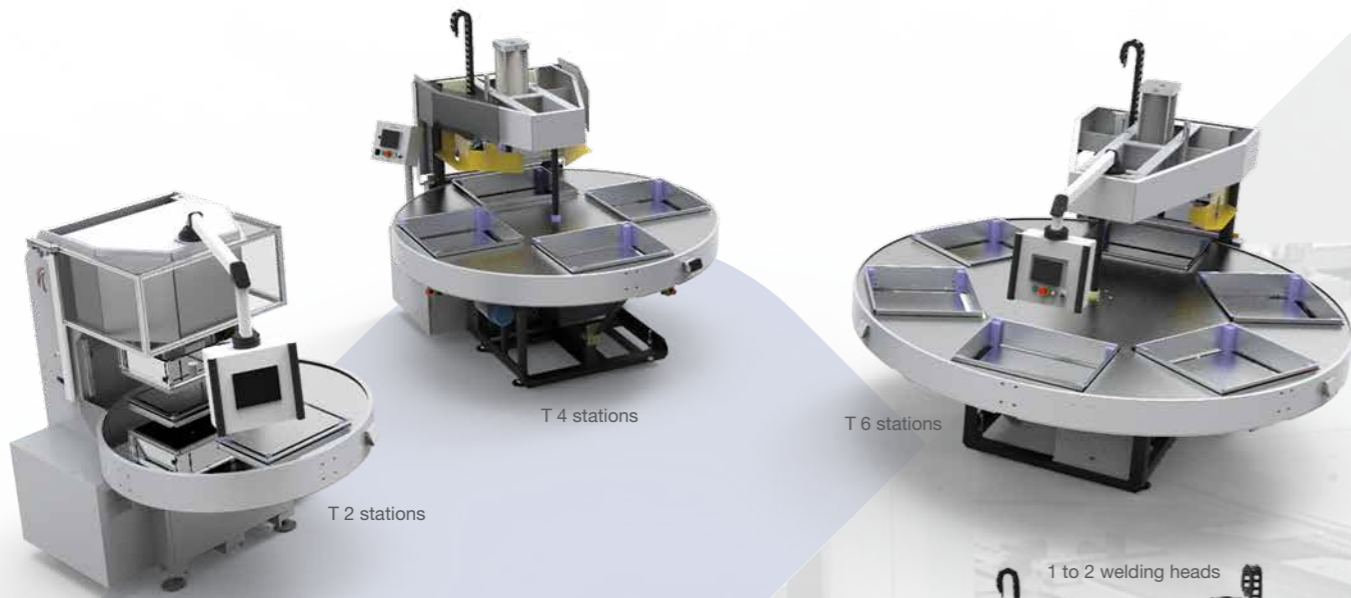
Premium HF RANGE

Multi-station,
high-frequency
welding machines with
automation

Solutions for series production

To meet your productivity needs, Matrelec offers a range of high-frequency welding machines suitable for series production: 2 to 6 stations, with a wide scope to automate operations.

The Q and T presses work at high speed while still ensuring consistent quality across your products: the different table sizes allow for high precision and large weld surfaces, and make it easy to position the products. The Premium HF range is perfectly adapted for welding, marking and cutting PETG, PVC, PU, EVA sheets, PVC or PU coated fabrics and paperboards, and any material with dielectric losses, to make products such as blister packaging, internal vehicle parts, safety equipment, deckchairs or even inflatable products.



T 2 stations

T 4 stations

T 6 stations

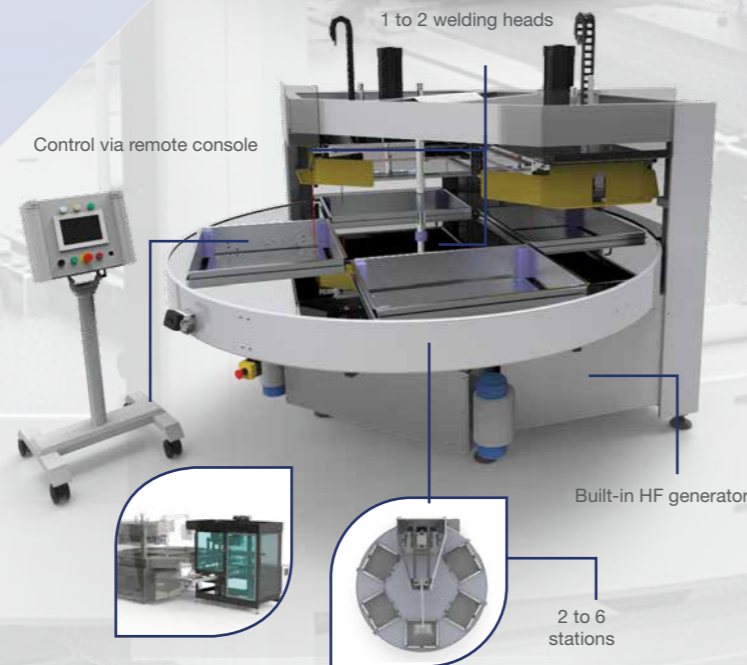
Type T

Rotating table with 2 to 6 stations Power: 6 to 15 kW

The rotating tables are perfectly suited to high speeds and/or producing elaborate products requiring multiple operations.

Several operators can work simultaneously, alternating product welding and positioning, which optimizes production. The automation options also help to increase production speed.

For more complex products, each station can be dedicated to a different task; the T series can be equipped with several welding heads (optional).



Control via remote console

1 to 2 welding heads

Built-in HF generator

2 to 6 stations

Advantages

- Creation of complex products using several welding heads
- Up to 6 stations: several operators are able to work at the machine at the same time
- Option of automated sheet or paperboard deposit; marking products with inkjet, shelling blister packs

WAA TECHNOLOGY

[exclusive]

Developed by Matrielec 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

Premium Range Advantages

- Range of compact and easy to move machines thanks to the built-in generator.
- Accelerated production start-up thanks to programmable warm-up.
- Quick series change using a tool indexing system, which enables precise positioning without additional adjustment.
- Welding parameters saved in the form of recipes, allowing a quick series change.
- Manual or automatic cycle operation to optimize production.
- Control panel with Pro-face touchscreen for quick access to settings.
- Many materials can be cut and welded, such as PETG.
- Press bed temperature conditioning for long welds, high speeds or complex materials such as PETG or EVA.
- Automatic detection of the weld recipe depending on the tool installed (optional).
- Consistent weld quality and traceability thanks to WAA Technology®

Q Press

2-station transfer tables Power: 8 to 15 kW

The machines with transfer tables make it possible to create all types of products, from blister packs to deckchairs, with reduced cycle times compared to those of a conventional stationary machine.

These two tables make it possible to prepare the next product during welding, or to accommodate two different tools in order to carry out several operations on one product or several different products.



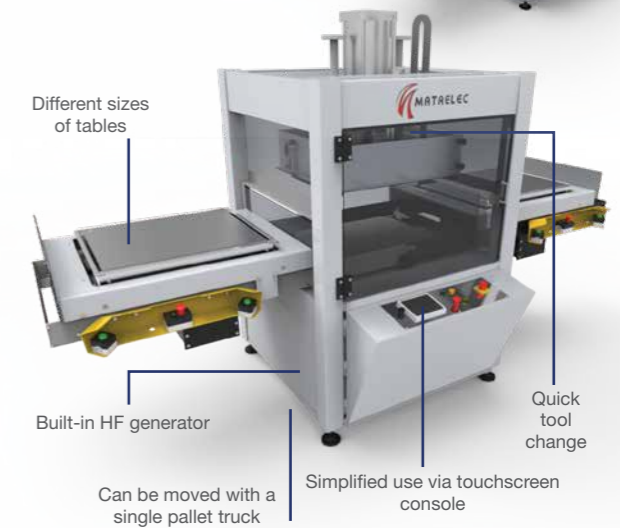
Q size 900 x 2200

Q size 900 x 1100

Q size 600 x 700

Advantages

- Reduced cycle times thanks to transfer tables
- Tables start in automatic cycle (optional)
- Tables with multiple stages for large products



Different sizes of tables

Built-in HF generator

Can be moved with a single pallet truck

Simplified use via touchscreen console

Quick tool change

	Speeds	Max HF power with electrode	Maximum welding surface	Maximum pressure	Space available under head	Type of force	Feed	Dimensions of press bed	Number of operations that can be automated
Type T	200 to 350 strokes/hour	10 to 15 kW	250 to 375 cm ²	1.8 T to 5 T	480 mm	Hydraulic or pneumatic	3 phases + Neutral 400 V 50 Hz	600 x 700 650 x 850 900 x 1100	6
Type Q	100 to 240 strokes/hour	8 to 15kW	200 to 375 cm ²	1.8 T to 5 T	200			600 x 700 650 x 850 900 x 1100 900 x 2200	2

“ 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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