

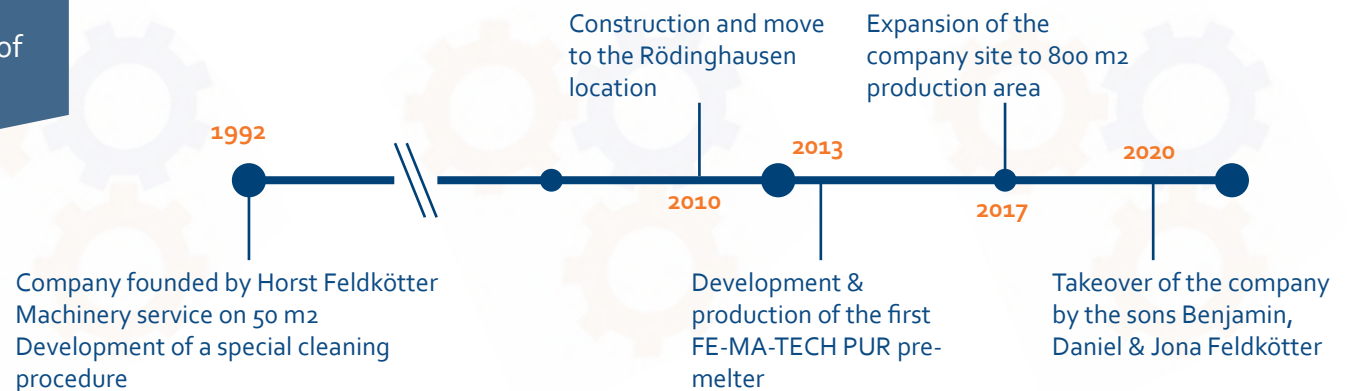


YOUR PARTNER FOR MACHINERY
AND HOT GLUE SYSTEMS

The company

Welcome to FE-MA-TECH!

Since 1992, everything at FE-MA-TECH® has revolved around adhesive technology. We operate highly successfully across Europe in the fields of mechanical engineering and adhesive system services for leading companies in furniture manufacture, wood processing and the food and packaging sector. We have been grappling with the problems of hot glue application and processing for years. Thanks to constant contact with glue and device manufacturers, we have been able to develop ways of working, special technologies and cleaning procedures and have now applied them successfully for over 30 years. We are continually improving our test and control procedures to convince customers of our expertise.



The team



Management Benjamin Feldkötter, Daniel Feldkötter and Jona Feldkötter (from left)



Maintenance department manager Christian Ossowski (left)

Plant engineering department manager Sven Feldkötter (right)



Sales management Frank Schöckel

The overall product range



FE-MA-TECH creates cohesion!

Fe-Ma-Tech® products are all designed and produced according to the latest German market standard. We pay particular attention here to clear operation and as a result to the associated convenient handling of our machines.



On the following pages, we present our products to you in more detail, all of which are designed, produced and tested in-house.

- PUR melting systems
- Cleaning and pre-heating table
- Vacuum box
- Service (cleaning and repairing)
- PUR glues
- FE-MA-TECH® hot glue hoses
- Teflon coatings
- Hot glue application systems (rollers or nozzles)
- Spare parts
- Cleaning agents

Thanks to environmentally- and materially-friendly processing during production, we can offer you very good value for money. However, this does not mean you have to do without the latest technologies, such as remote monitoring via smartphone.

Mode of operation of all devices

The glue is pressed by a cylinder out of the opening in the bag bottom onto a hot plate and stored in a tank reservoir. From there, the liquid glue is transported by a gear pump via a heated hot glue hose and an application head.

Advantages of our bag melting systems

1. complete service (advice, assembly, instruction, cleaning and repair of your melting device and your glue applicator)
2. constant contact with glue manufacturers (melting experiments with all standard commercial PUR glues)
3. for all parts that we work with in our devices, we set great store by German brand products
4. a completely closed system - you do not need any gas or dry air
5. very low maintenance
6. large tank reservoir, no machine standstill during bag change
7. low cost



Since implementation of the glue supply is completely air-tight, the maintenance and cleaning times are drastically reduced.

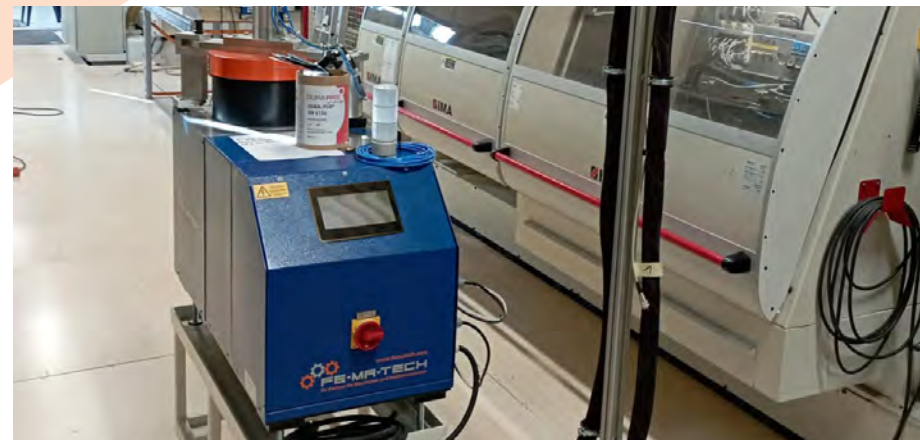


Unlike other systems, the application rollers do not need to be removed from the machine daily to place them in nitrogen or for cleaning in granulate.



Even after a long, work-free weekend of up to four days, production can be resumed without any problems without removing the rollers from the machine. The FE-MA-TECH melting machine only needs to be cleaned once a year.

Bag melting systems



⚙️ The **PUR 20kg eSmart** is fitted with two hose connections as standard. Thanks to its high melting and pumping capacity, this system is ideal for filling double-sided edge processing machines. Melting capacity: up to 15 kg/h.

⚙️ **2kg/20kg eSmart:**
High pumping capacity and a large tank reservoir (2-3 kg or 18-20kg) permit use in edge banding machines with a high daily consumption. Thanks to modular design, all components are easy to reach and permit fast, uncomplicated service. Electronic fill level monitoring is a standard feature. The machine provides you with both an optical as well as an acoustic signal when it needs refilling.



⚙️ The **PUR 2kg eSmart** bag melter is equipped with one hose connection as standard and as a result is outstandingly suitable for one-sided edge processing machines. Melting capacity: up to 5 kg/h.

2kg light eSmart



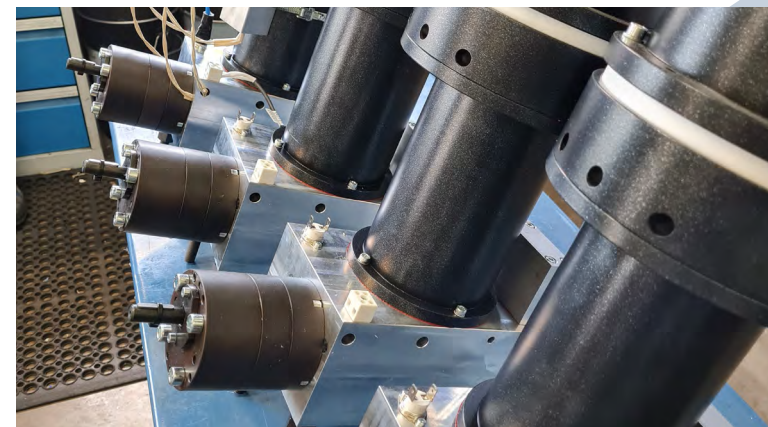
⚙️ The FE-MA-TECH PUR 2kg light eSmart bag melter is the small version of the 2kg eSmart bag melter. Modified melting and pumping performance and features especially tailored to handicraft companies make this system perfect for smaller, slower edge processing machines.



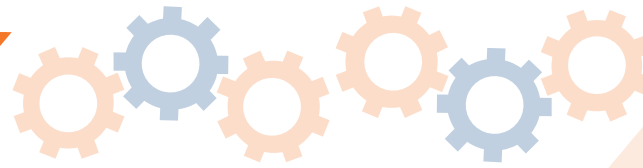
CC-Melter eSmart



⚙️ The glues are melted in two separate tanks and permit easy working with two colours. The glues are not mixed.



Our machines



Vacuum box



The FE-MA-TECH vacuum box was specially developed for storing up to two PUR glue applicators. Storage in a vacuum increases the durability of the glue, since it does not react with the air. Thanks to this function, the cleaning effort is minimised and resuming work after lengthy machine breaks is fast and uncomplicated.

Preheating and cleaning table



The preheating and cleaning table is the ideal supplement for anyone who wants to work with PUR and needs fast changes of the glue unit. Ensures shorter set-up and longer production times when working with your glue applicators. The stainless steel chute in front of the glue applicator ensures that the glue flows fast and easily.

Hand-edge bander



The hand-edge bander with glue applicator was especially developed for stationary applications during assembly work. Temperatures, speed, rotation direction, workplace lighting and extraction preparation are set via the external control.

Successful for over 30 years - we have distinguished ourselves on the market as a strong partner with our specially developed cleaning system for gluing units.

Apart from cleaning and repairing of roller applicators of common brands, such as Homag, IMA or Brandt, our repertoire also includes maintaining the nozzle devices of Nordson, Robatech, HHS and Balti, etc. We have the matching solution and qualitative competence for your tasks.

→ **Complete disassembly** (depending on unit)

→ **Cleaning of all parts**

→ **Testing of all mechanical parts e.g. for wear**

→ **Testing of the complete electrical systems for proper function**

→ **Replacement of defective parts** (e.g. bushings, seals, heating rods)

→ **Coating or painting**

→ **Complete assembly**

→ **Functional test with test log and electrical check**



Glue residues on the unit slow down working, reduce the quality of the products and can result in a machine shut-down.



Our technicians clean the units and also remove the stubbornest soiling. As a result, the quality and glue joint improve, among other things.



A high quality Teflon coating is optionally applied to the unit. As a result, the cleaning cycle can be prolonged. As a result of this coating, rough but independent cleaning is possible in combination with a preheating and cleaning table!

Additional product range

PUR glues

PROPERTIES

- High initial strength
- Clean adhesive application
- Easy processing through controlled reactivity

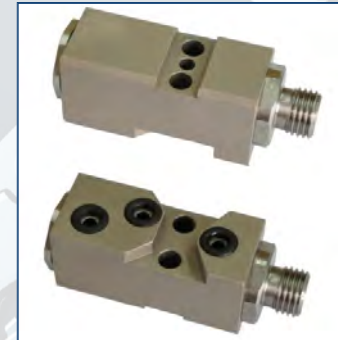
RECOMMENDED AREAS OF USE

- High performance PUR for automatic edge glueing machines
- Suitable for application with slot nozzle and roller



Machines and spare parts

Hot glue modules



Single bore nozzles



Glue pistols



Heating hoses



Application heads



Cold glue nozzles



We are supported by our strong partners worldwide and as a result can offer you the best and fastest solution for your requirements.

Our partners

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SOLUTIONS ET EXPERTISES EN COLLE

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Portugal



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