

A photograph of industrial machinery, likely a plastic extrusion or injection molding machine, with a strong red color overlay. The image shows various components like pipes, hoses, and structural frames. The Ferlin logo is in the top left, and the product guide title is in a red bar on the left. The slogan is in the bottom right, and a decorative pattern is at the very bottom.

Ferlin

PRODUCT GUIDE

**IMPROVING
PLASTICS *TOGETHER***



IMPROVING PLASTICS *TOGETHER*



We believe in a bright and sustainable future for plastics. With its countless applications and limitless design freedom it offer numerous options for a sustainable choice.

We shall contribute by designing reliable, accurate, user-friendly and cost efficient solutions that are easily integrated into our customers factories.

We believe in a trustworthy way of doing business. We challenge what is asked for, to deliver what is needed. We believe that co-creation leads to even more smart solutions.

Together we excel.

THE SPECIALIST WHEN IT COMES TO
DOSING, CONVEYING AND DRYING OF GRANULES

➤ Ferlin is a leader in automation for the plastics industry and has earned its reputation as a reliable and innovative partner for numerous companies. The company was founded in the early 1980s, a time when plastic processing was looked at in a simple way. With foresight and enthusiasm for plastics, it embarked on its mission to transform and improve the plastics industry.

Its success quickly created a growing demand in the area of automation in the plastics industry. Ferlin therefore decided in 1988 to specialize in the field of automation, it developed the first gravimetric dosing/mixing systems in Europe, now widely known as GRAVIMIX, and the optimization of existing production processes. After this Ferlin developed an innovative range of central conveying systems that took automation to a much higher level. Using data to improve our client's production process is a common thread throughout our history. Since 2015, Ferlin started selling dryers after which in 2022, the first in-house dryers were launched. That year also saw the addition of decentralized conveying systems added to the product range.

Since then, Ferlin Plastics Automation has been one of the most valued and leading manufacturers of advanced automation solutions for the plastics industry. Whether drying, conveying or dosing granules; Ferlin is the specialist. The company remains committed daily to pushing the boundaries of what is possible within automation and innovation within the plastics industry.



DOSING



FAST EARNING
**SAVE ON
ADDITIVES**

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GRAVIMIX

Some products put a smile on your face. You find so many useful aspects in them that make you the feeling that the person who made it also works with it every day.

The very first GRAVIMIX dosing machine was delivered more than 30 years ago and is still running today. In the meantime more than 10,000 GRAVIMIX have been delivered to our customers on all continents. By listening to their feedback and continuous development, the GRAVIMIX has become the most user-friendly of the market and thanks to our backwards-compatible philosophy even the first customer can enjoy it.

ONE

The revolutionary One uses a conveyor belt instead of a screw for adding a masterbatch or additive. This allows us to use lightweight components and thus keep the load cell small. As a result, the patented One is capable of weighing more than 6 times as accurate than market standards.

The Ferlin One has a simple, intuitive user interface and a convenient explanation wizard. Swipe through the various settings and benefit from the convenience of our new dosing machine. Screws cause a pulsing effect during dosing, leading to unnecessary use of expensive additives. Say hello to our revolutionary conveyor belt, say goodbye to the pulsating effect and start saving!

DRYING

FAST EARNING
**SAVE ON
ENERGY**

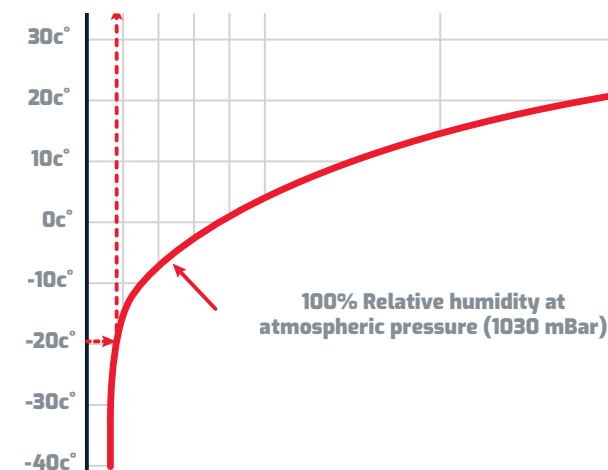
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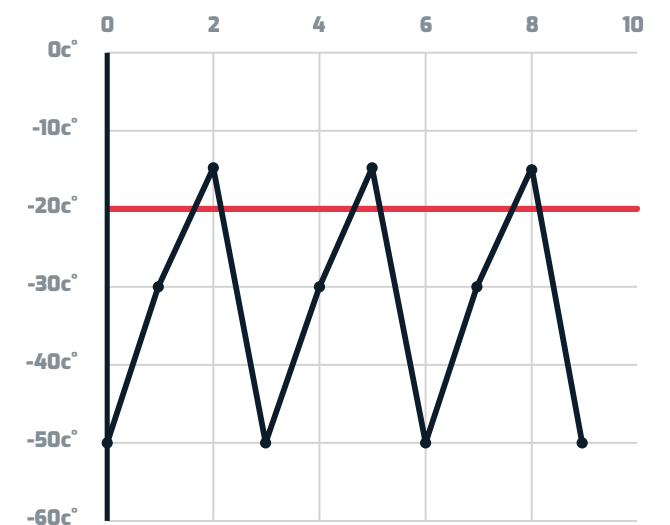
EASYDRY

The honeycomb dryers work with a rotating disc that simultaneously regenerates, cools and absorbs moisture. The fact these processes occur simultaneously creates a very constant dew point and allows regeneration at a much lower temperature.

As a result, the dryers consume a lot less energy and always treat the material to be dried the same. This type of dryer has its own drying unit per hopper, eliminating contamination and making larger systems much less prone to failure. In addition, these dryers are easier to move because they only require power.



MOLLIER DIAGRAM



DESICCANT DRYER vs. HONEYCOMB

CONVEYING

FAST EARNING
**SAVE ON
DOWNTIME**

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MOVAC EASY

The MOVAC Easy has been developed for transporting granules over a short distance. During the development the focus was on reliability and simple integration so that our customer can apply the MOVAC Easy quickly.

The 1-phase hopperloaders and the 3-phase hopperloaders are equipped as standard with soft start management and a motor cooling system thanks to a by-pass valve so that the pump can last as long as possible. The filter is automatically cleaned using powerful compressed air cleaning, so that the capacity is not put under pressure. Enjoy a quick automation step with our MOVAC Easy range and save time!



MOVAC

The MOVAC range has been developed to enable further automation. This central system consists of our extremely maintenance-free hopper loaders, the best self-cleaning filter in the world, a pump and a controller.

The filter uses our revolutionary reverse jet filter cleaning principle. It does not use pleated filters but filter bags with spirals. By bringing them to a negative pressure of 500mbar during cleaning and then bringing them back to atmospheric pressure in a very short time, a powerful beating effect is created which cleans the filter very well. As a result, the filter hardly ever needs to be cleaned by hand and the system maintains its capacity and our customer saves on downtime.



SOFTWARE

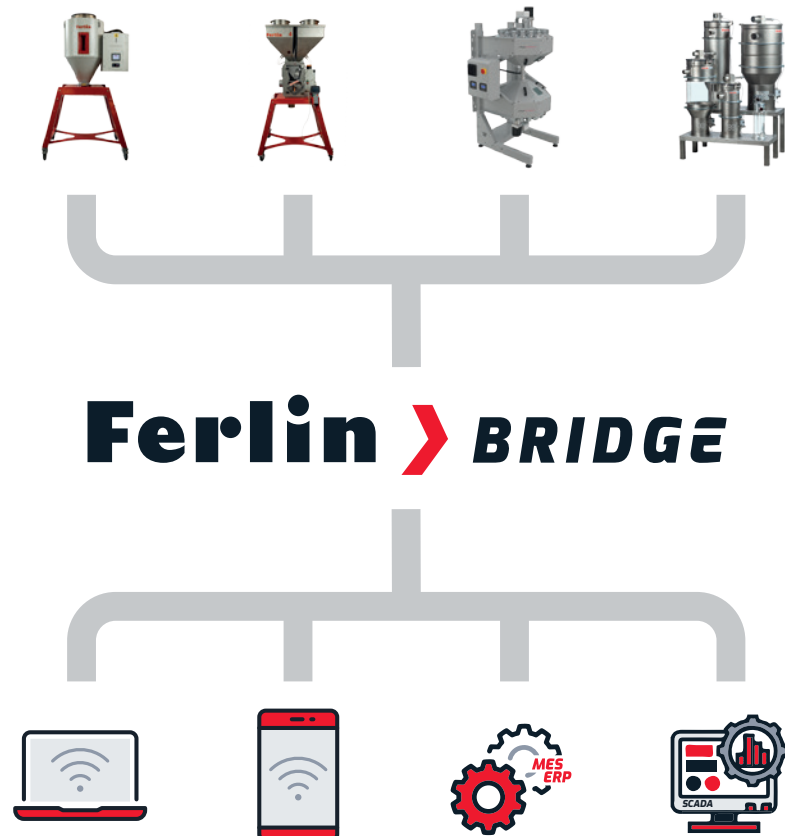
FAST EARNING
**SAVE
ON DATA**

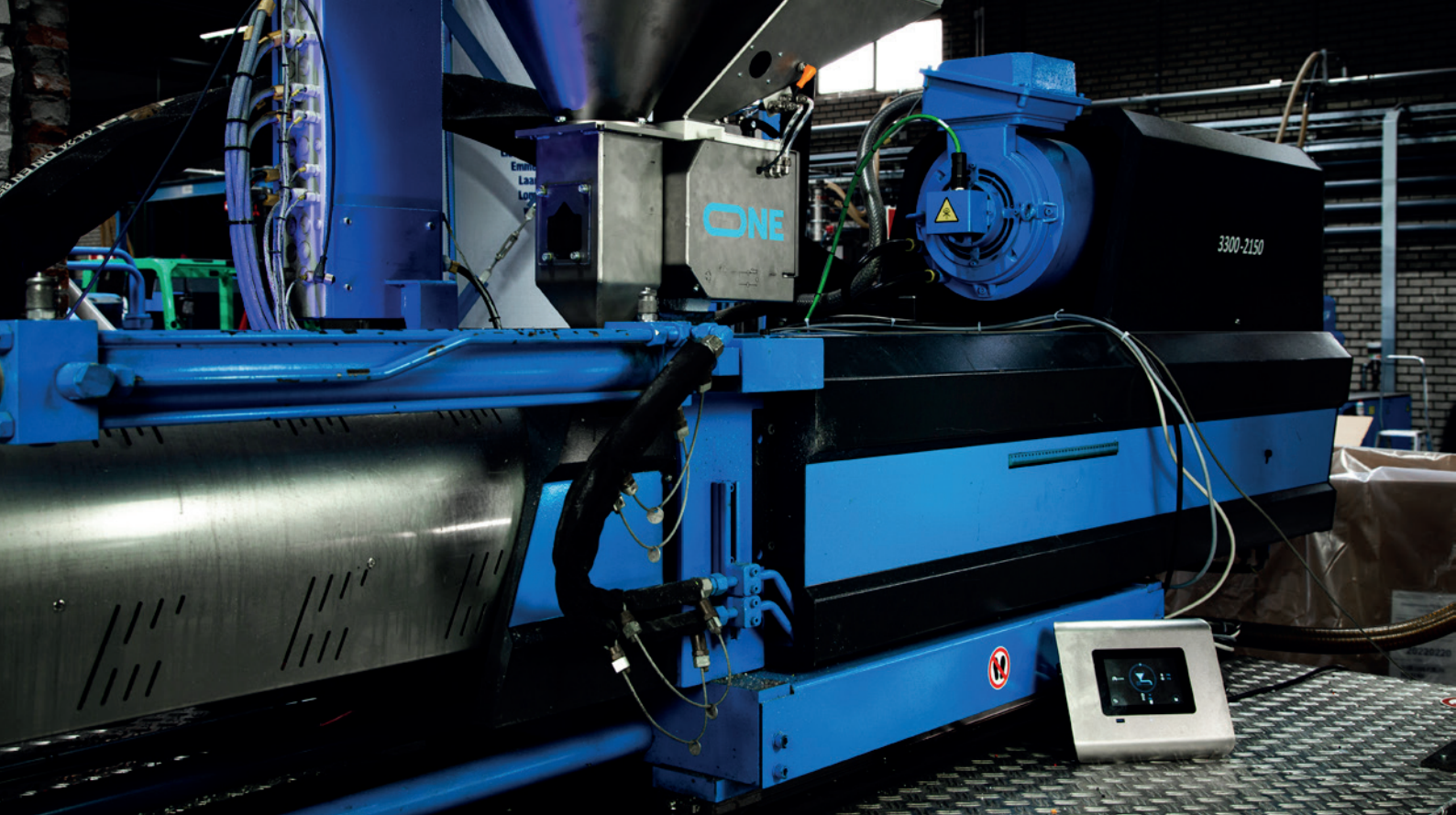
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FERLIN BRIDGE

The FerlinBridge is the bridge between all our machines. Through a user-friendly application, our dosing machines, hopperloaders, filters and dryers can be operated from any device as long as it is connected to the same network and all production data is stored in SQL.

The FerlinBridge provides a multi-layer rights system where the customer can determine which employees are able to make adjustments to components or recipe by machine. In addition, the FerlinBridge offers the possibility to be integrated via various protocols such as SQL, OPCUA, MODBUS and PROFIBUS to be integrated into MES, SCADA or ERP systems. Thanks to backwards compatible developments our older machines can also make use of this. Much can be saved through the use of data by preventing errors and saving time and additives.





WE CHALLENGE WHAT IS ASKED FOR
**TO DELIVER WHAT
 IS NEEDED**

Of course, our machines are the basis of our success but we do not get there with good machines alone. Our customer-oriented way of working and thinking in terms of solutions is what makes us unique. In doing so, we continuously seek a balance in our product matrix.

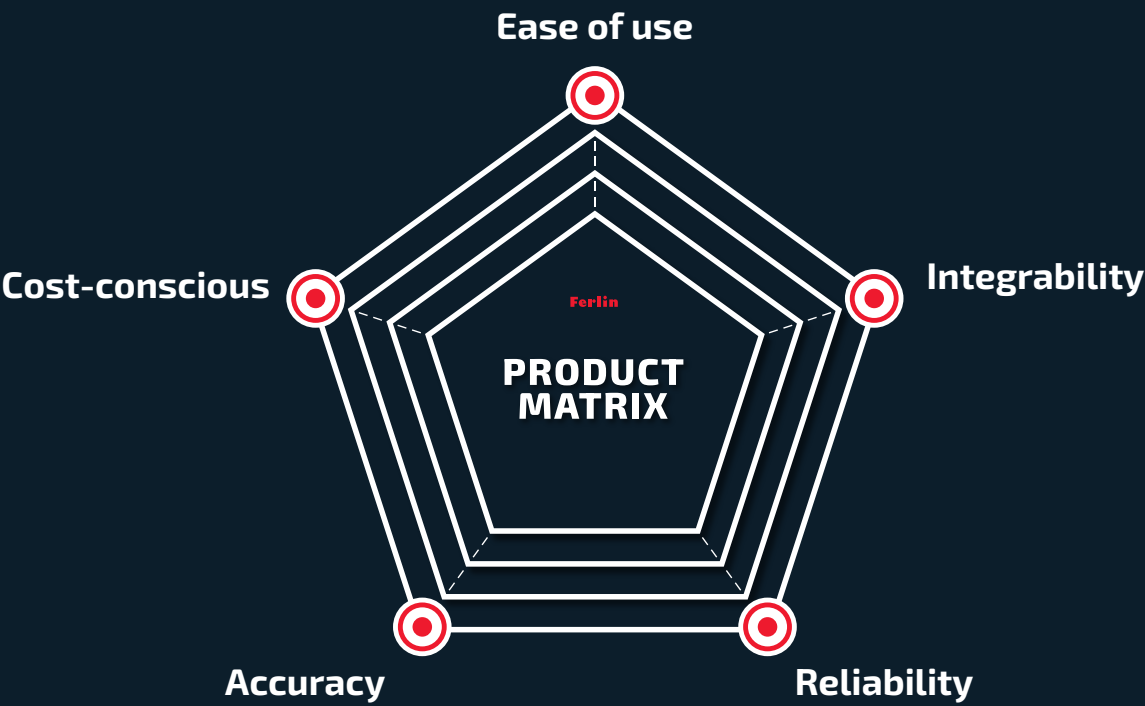
Through our experience of over 40 years, we know what is important to our customers and what really makes the difference in a production environment. By cleverly applying feedback and our experience, our machines are very **user-friendly**.

Failures and breakdowns in our client's production process can cause huge costs. **Reliability** is therefore of paramount importance within Ferlin so that we can offer continuity to our client.

The GRAVIMIX and One are extremely **accurate** and offer grip, insight and control in our customer's production process. This allows quick savings on additives and our machines have an excellent return on investment.

Our machines must be easy to **integrate** into our customer's production process. In a world where data is increasingly important, we choose to opt for strong integrability in both software and hardware.

It really becomes a challenge when we set ourselves the goal of making our product affordable as well. Only then does a machine become truly smart!





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