



# OCRIM

Making targeted investments in sustainability & Industry 4.0

**W**ith the aim of continuing to provide increasingly performing products, Ocrim continues to invest in new equipment and facilities which it believes will boost its production department, with the very latest addition being the integration of a

2D laser cutting and a third robotic welding station.

The machine with 2D fibre laser cutting is able to cut semi-finished products of various materials: carbon steel, stainless steel and aluminium. In addition to high precision and speed cutting, it features low energy and environmental impact, as the fibre laser offers very reduced consumption.

The machine does not need to be manned, as it features eight levels

of sheet metal storage and software that automatically arranges all of the parts of cutting.

The third welding station is equipped with an anthropomorphic robot that can be programmed remotely. It can weld intermittently on two stations for a length of 16 metres.

Thanks to its technological profile, it is also able to process aluminium (in addition to stainless and carbon steel) and it has an innovative system – CMT (Cold Metal Transfer) - that makes it possible to weld thin thicknesses, ensuring high product quality.

The aforementioned investments aim to simplify in-house work, but most of all to offer Ocrim's customers with materials and products that are increasingly reliable and performing, that are the result of Engineering research work and a futuristic concept of industry 4.0.

### Improve mill performance characteristics

For some years now, Ocrim has been manufacturing products that aim to improve the performance characteristics of the mill. In 2018, for example, the company launched titanium rolls on the market, while in 2019 the rolls state detector (RSD), a device that accurately calculates the state of wear of the roll fluting.

Success was immediate for both products, a success that translated into a motivating factor that led the company to create the new futuristic Fluting Hub department.

Described as being a real culmination of all Ocrim processes that we have often talked about throughout their articles, this represents a useful process that enables certified quality of the products - intended for the customers - under its own control and company responsibility.

The Ocrim Research and Development department has also worked on the engineering the implementation of this project, to





make it a functional and highly usable service.

That said, 2020 was also the year in which Ocrim was able to satisfy particular and complex requests from some customers. Requests relating to the use of sieves, another Ocrim product always under the magnifying glass of the company's Research and Development department.

But let us first take a few steps back. It was 2017 when Ocrim officially launched the innovative antimicrobial plastic sieve on the market. A product that represents the result of a sophisticated biotechnological/engineering study that has brought results that translate into a real breakthrough for those who own and work daily in the mill.

The goal was to ensure a very high level of sanitation to obtain an excellent and safe product for the final consumer and the immediate success of this product led Ocrim to enhance this type of research and to study how to adapt them to non-Ocrim machines.

The 'inspiration' precisely came thanks to the requests of some customers, requests that were increasingly directed towards plastic sieves - antimicrobial and non-antimicrobial - as they were considered more effective, resistant, and reliable. Numerous requests have arrived for interventions on non-Ocrim machines.

Works that were then completed through integrated solutions that have fully satisfied customers, improving the quality of the products due to a better sieving configuration which increases the sifting surface.

Customer care, Italian Made, engineering innovation are, therefore, the real motivational figures that push the whole Ocrim team to always keep up with the times and to create projects, products and solutions.