



Sixty Years of Innovation in Shot Blasting Technology: OMSG's Long-Standing History

Alessia Venturi **ipcm**®



Enzo Dell'Orto, the CEO of the OMSG Group.

OMSG – Officine Meccaniche San Giorgio was established in 1961 in San Giorgio su Legnano (Milan, Italy). Its founder was entrepreneur Vincenzo Dell'Orto, the father of the current CEO, Enzo Dell'Orto – who, a few months ago, celebrated the first sixty years of activity of the company he has headed since 2002.

Now headquartered in Villa Cortese (Milan) and with a turnover of more than 25 million Euros, the firm is one of Europe's leading manufacturers of shot blasting, sandblasting, and shot peening machines for a wide variety of sectors, including foundry, automotive, forgings, agricultural and earthmoving machinery, and carpentry. Following the acquisition of the long-standing Carlo Banfi brand in 2017, OMSG is actually the largest Italian Group in the shot blasting equipment sector and it exports 75% of its production to numerous countries around the world, through the activities of its Italian headquarters and its two branch companies in France and Germany.

"We design and build a hundred machines a year," says Enzo Dell'Orto. "Our efforts are focused on innovation and the development of knowledge in this field, as well as on working with highly-trained professional technicians, who unfortunately are a rare commodity in Italy. We are convinced that maintaining the technology gap existing between the Italian – and European, in a broader sense – manufacturing industry and that of low-cost countries is key to maintaining a competitive edge. However, in order to do this, we must invest in training and industrial culture."

"Another aspect that has characterised OMSG's activity in the last few years, and especially during the hardest times of the pandemic, is digitalisation. I am not simply referring to our plants' compliance with the requirements of Industry 4.0, which is now essential for a target market that is increasingly attentive to sustainability and energy savings and for which, therefore, continuous monitoring of operating parameters is fundamental. I am also talking about the ability to carry out remote testing or after-sales service through web-based tools. Through specific apps, OMSG – Officine Meccaniche San Giorgio is currently able to guide its customers through their required testing or maintenance phases."

"As mentioned, we are also focusing on green concepts, developing measures to make our plants more efficient and energy-saving. For example, the application of increasingly high-performance electric motors and the integration of inverters on motors and sensors throughout machines enables us to better manage operations, thus optimising energy and raw material consumption," indicates Enzo Dell'Orto. "Digitalisation helps us by making available information that allows users to calculate the operating cost of plants, including energy consumption throughout the day, abrasive consumption, maintenance frequency and costs, and possible ways of lengthening the service life of components and extending maintenance intervals."

It should be noted that shot blasting is a fundamental treatment for the mechanical preparation of metal substrates prior to coating, aimed at obtaining a suitable surface finish and a surface roughness grade of SA 2½ or SA 3. This is a crucial requirement in numerous sectors, especially in the heavy industry: from valve and tank production to foundries, from metalwork for infrastructure to industrial boilers. "Within the wide range of shot blast machines offered by OMSG," states Dell'Orto, "there are two families of flagship machines: our LAUCO roller conveyor shot blasting systems (named after the initials of my siblings, LAUra and COsimo) and our TUNNELBLAST tunnel shot blasting systems. The companies that choose OMSG do so because they know that they will find customised solutions and plants designed to work in line with other machines, prepared for high production volumes, and guaranteeing high performance and maximum reliability over time."

"We are grateful to the almost 8000 customers in almost 95 countries around the world that have chosen OMSG and Carlo Banfi as their shot blasting equipment suppliers... and we aim to satisfy as many, over the next sixty years!" 



The OMSG headquarters in Villa Cortese (Milan) and an OMSG TUNNELBLAST tunnel shot blaster.