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USER REPORT

Oldrati Guarnizioni Industriali S.p.a., Villongo, Italy

Valves for respiratory masks from Oldrati, produced on an injection molding machine from WITTMANN BATTENFELD

Oldrati, based in Villongo, Italy, uses its expertise in manufacturing full-face snorkeling masks for the fight against COVID-19. For several weeks now, this company has been producing high-quality respiratory masks for use in hospitals. The valves for these masks are manufactured on an EcoPower 180 COMBIMOULD injection molding machine from WITTMANN BATTENFELD.

The Oldrati group based in Villongo, Italy, founded by Vanni Oldrati in 1964, is engaged in manufacturing products made of rubber, silicone and thermoplastic resins by single- and multi-component injection molding. With the acquisition of Silital Europe in 2007, a leading Italian maker of liquid and solid silicone products, the company substantially expanded its capacity in the area of silicone processing. Oldrati's portfolio of products and services includes material development and production, mold making, product development and manufacturing, as well as packaging and logistics.

To manufacture its products, the Oldrati group uses injection molding machines with clamping forces ranging from 350 to 40,000 kN. WITTMANN BATTENFELD has been supplying Oldrati and Silital since 2015. Meanwhile, 30 machines with clamping forces from 350 to 3,000 kN have been delivered to the Oldrati group, most of which are models from the servo-hydraulic *SmartPower* and the all-electric *EcoPower* series. Five more machines from the *SmartPower* series will be installed at Silital in May and June.

What Oldrati appreciates about the machines from WITTMANN BATTENFELD apart from their energy efficiency is primarily their high precision and repeatability, as well as their user-friendliness.

The mainstay of the Oldrati group's wide product range are rubber seals for a great variety of applications. In addition, Oldrati makes products such as filters for the automotive industry, window and door profiles, plastic parts for household goods,

brackets for solar panels, products for medical applications, such as inhalers for small children, and products for sports and leisure activities, to name just a few.

In addition to flippers and various types of swimming and diving goggles, the company also produces a full-face snorkeling mask. And thanks to Oldrati's innovative strength, this mask originally created for the leisure industry has now been transformed into a medical technology product which saves lives in the current COVID-19 crisis. With the help of a valve made of PP, which Oldrati produces at its Silital plant on an *EcoPower 180 COMBIMOULD* from WITTMANN BATTENFELD equipped with a W822 robot from WITTMANN, the original snorkeling mask has been converted into a high-quality respiratory mask for emergency Corona patients.

The Oldrati associates are proud of being able to make a very substantial contribution to the fight against the COVID 19 virus with this mask. And WITTMANN BATTENFELD is glad to support Oldrati with its innovative injection molding technology in making the valve for this life-saving product.



Fig. 1: Manuel Oldrati, owner of the Oldrati group, in front of the *EcoPower 180 COMBIMOULD* with a W822 robot from WITTMANN (Photo: Oldrati)



Fig. 2: Valve for respiratory mask, manufactured on an *EcoPower 180 COMBIMOULD* from WITTMANN BATTENFELD (Photo: Oldrati)

The WITTMANN Group

The WITTMANN Group is a worldwide leader in the production of injection molding machines, robots and auxiliaries for the plastics processing industry, headquartered in Vienna/Austria and consisting of two main divisions: WITTMANN BATTENFELD and WITTMANN. They jointly operate the companies of the group with eight production plants in five countries, and its additional sales and service companies are active with 34 facilities on all important plastics markets around the world.

WITTMANN BATTENFELD pursues the further expansion of its market position as an injection molding machine manufacturer and specialist for state-of-the-art process technologies. As a supplier of comprehensive, modern machine technology in modular design, the company meets both present and future market demands for plastics injection molding equipment.

The WITTMANN product portfolio includes robots and automation systems, material handling systems, dryers, gravimetric and volumetric blenders, granulators, temperature controllers and chillers. With this diversified range of auxiliaries, WITTMANN offers plastics processors solutions to cover all production requirements, ranging from independent production cells to integrated plant-wide systems.

The syndication of the various segments under the umbrella of the WITTMANN Group has led to complete connectivity between the various product lines, for the benefit of plastics processors with an increasing demand for seamless integration of processing machinery with automation and auxiliaries.

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