

PRESS RELEASE

For immediate publication!

New Heavyweight at Langmatz

A significant rise in incoming orders is driving an expansion in the company's range of machinery

Garmisch-Partenkirchen, 18 July 2018 – It has the tender name “Engel 900”, which translates to Angel 900, but it's no lightweight. The new machine from Langmatz GmbH, consisting of a spray and locking unit as well as a machine bed and robot unit, weighs 70 tonnes and has just recently been installed in the Oberau plant. It took six employees a week just to transport and position this heavy machine in the injection moulding shop, relying on heavy-load rollers, a crane and a forklift. The special machine, whose acquisition cost according to company management was at the high end of six figures, became necessary for a gratifying reason. “Our incoming orders are increasing tremendously and will remain at this high level over the long term,” explains Stephan Wulf, Chairman of the Executive Board at Langmatz, “so we had an urgent need to expand our range of machinery.”

The plastic- and metal-processing specialist from Garmisch-Partenkirchen is active not only in Germany, but also as a partner in broadband expansion projects worldwide. Langmatz polycarbonate manholes are delivered to European countries, Russia, Australia, Latin America and even Qatar. They are installed underground and are responsible for the distribution of electricity, telecommunications and water. The new “angel” is meant to help better handle the dramatic increase in orders which is currently noticeable in all departments. The machine is expected to reduce the strain significantly. It will be in use around the clock five days a week and, depending on the tool, is able to produce between 400 and 1,200 plastic parts per day that weigh up to 20 kilogrammes each. These are manufactured via injection moulding with a clamping force – meaning the force with which the two sides of the tool mould are pressed together – of 900 tonnes.

The “Engel 900” also has a linear robot mounted on the nozzle side, which removes the parts from the tool and places them on a conveyor belt to improve workplace ergonomics. In addition, the robot supports the company’s quality requirements, since there are no fluctuating cycle times resulting from manual removal.

To enable efficient packaging and rework, an angled conveyor belt specially designed for Langmatz transports the parts to the adjacent “Engel 800”. In addition, a second angled conveyor belt is used in the existing, somewhat older “Engel 900”. This means that for four machines there are two processing stations, which reduces walking distances for personnel and ensures ergonomic operation. Wulf: “We’re currently planning to expand our production site in Oberau beyond our current investments to meet the growing demand for broadband expansion products.”



In the event of a publication, we would be delighted to receive a copy. Thank you!

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