

Press Announcement

January 19th 2022

Investment Casting

ZOLLERN GmbH & Co. KG

Hitzkofer Str. 1
72517 Sigmaringendorf
Germany
www.zollern.com

Contact

Andelko Patricevic
T +49 7571 70-661
F +49 7571 70-82661
Andelko.Patricevic@zollern.com

ZOLLERN is investing in further EQX & DS / SX Equipment

In the investment casting business unit of the ZOLLERN Group, capital investments are being made in manufacturing equipment for the production of single-crystal and directionally solidified components for the aviation industry and for the industrial gas turbine industry in a new production line.

Zollern Investment Casting Division (Feinguss) is announcing the commencement of a major capital investment project within its Head Quarters manufacturing site at Laucherthal Germany, for the extension of its already existing Equiax (EQX) Investment casting production line up to 220KG (485 lbs) and the introduction of directional solidified (DS) and single crystal (SX) Investment Casting up to 100KG (220 lbs).

The intention of this investment is to support its existing customer base and grow its business within the Industrial Gas Turbine and Aerospace sectors in the coming years. The new equipment will enable ZOLLERN to produce large EQX components as well as DS/SX components for the markets.

Key item of the investment is an ALD VIM-IC-30 E (DS/SC) furnace with a 3 chamber system making a quick change of less than 4 hours from EQX to DS/SX modus possible. Further investments alongside the furnace will be done to introduce a new dedicated manufacturing line.

Product portfolio & technical data:

- EQX components up to 1000 mm (40 ") in diameter and 1000 mm (40 ") in height
- DS / SX components up to 600 mm length (23,5 ")
- Melt capacity from 10 kg to 220 kg (22 to 485 lbs)
- Nickel-based superalloys, such as:
 - Equiaxed (EQX): IN100, IN738LC, IN939, IN792, René 80, René 77, MAR-M247LC
 - Directionally solidified (DS): MAR-M200 +Hf, MAR-M247LC, GTD-111, René 142
 - Single crystal (SX): CMSX-4, PWA 1480, René N5

The investment will be fully operational by the end of 2022.

Commenting on the news of the investment, Divisional MD, Mr Mark Ward, said "I am delighted with the announcement and it supported the long traditional values of the family business that had a 300-year history. This continues to show the faith in the work force within the Laucherthal facility and our division. It is a clear endorsement of our intention to support our ongoing customers' requirements for the future. We clearly understand that the market has seen challenges within 2020 / 2021, but as

we all know those that focus on the voice of the customer, will survive for the future. We look forward to repaying the faith of our customers and our owners with this venture”

The business already supports a major range of world-renowned customers within the Automotive, Aerospace, IGT, Military and Defence sectors as well as those within the Industrial Casting market. Its existing capacities of Investment Casting, Open Pit Casting and Aluminium Casting among others will be enhanced by this investment.