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New EQX - DS / SX- Equipment Large Casting Components for Industrial Gas Turbine and Aerospace

ZOLLERN is expanding its Equiax (EQX) Investment casting production up to 220 kg and introducing directional solidified (DS) and single crystal (SX) Investment Casting up to 100 kg to its manufacturing site in Lauchertal Germany.

Product portfolio & technical data

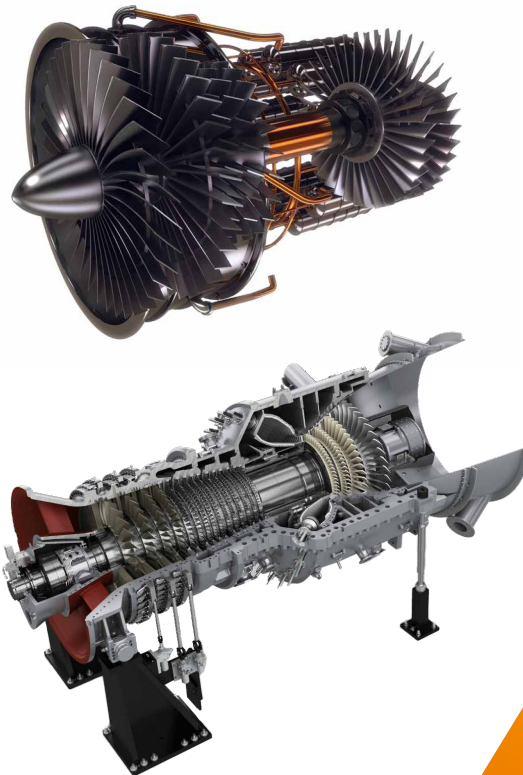
- EQX components up to 1.000 mm (40") in diameter and 1000 mm (40") in height
- DS / SX components up to 600 mm length (23,5")
- Melt capacity from 10 kg to 220 kg (22 to 485 lbs)
- Alloys: Nickel-based superalloys, such as:
 - **Equiaxed (EQX):**
IN100, IN738LC, IN939, IN792, René 80, René 77, MAR-M247LC
 - **Directionally solidified (DS):**
MAR-M200 +Hf, MAR-M247LC, GTD-111, René 142
 - **Single crystal (SX):**
CMSX-4, CMSX-10, PWA 1480, René N5

The new equipment will enable ZOLLERN to produce large EQX components as well as DS/SX components for Industrial Gas Turbine and Aerospace markets. The ZOLLERN team is already working together with its existing customer base on the initial components and is looking forward to further exciting opportunities.

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.

From the master melt to the ready-to-install product

The in-house manufacturing capacity at ZOLLERN ranges from the master melt to ready-to-install casting parts. Further details of the wide range of offerings from the ZOLLERN Investment Casting Division can be found by viewing the company's website.



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