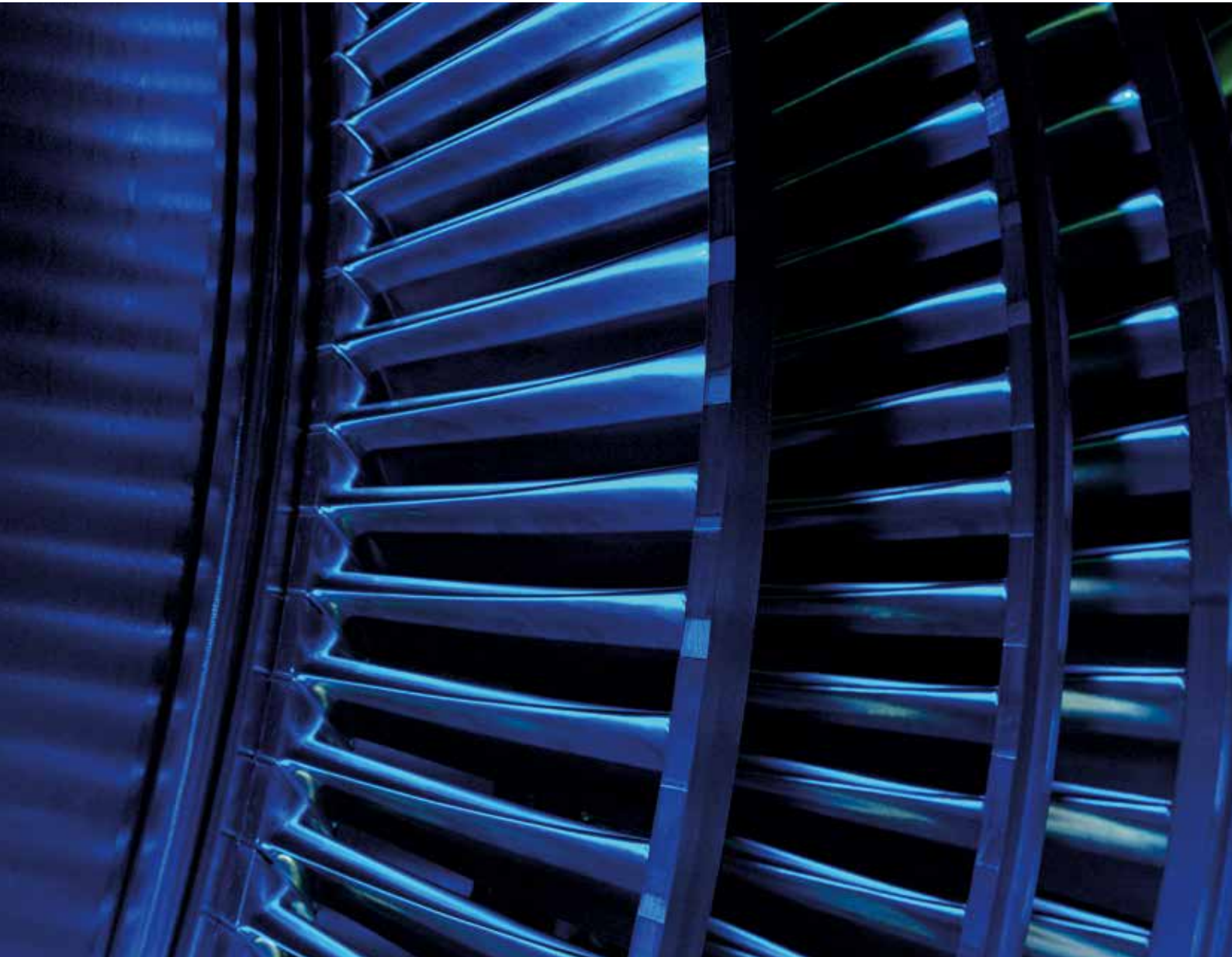




SPECIAL FORGINGS FOR THE WORLD'S TOP PERFORMERS

energy & special products





FORGINGS FOR A POWERFUL FUTURE

Decades of valuable material, engineering and forging experience, complying with the highest safety demands, have made voestalpine BÖHLER Aerospace a reliable partner to the energy industry and its high profile of requirements.

We offer our customers future-oriented designing methods, concurrent engineering, a high degree of material expertise, computer modeling and innovation in the development of new production processes, from the beginning of the product development phase onwards.

QUALITY EXCELLENCE

voestalpine BÖHLER Aerospace has established and maintains a Quality Management System certified according to the international Quality Standard ISO9001.

Sustainability in environmental protection, efficient energy consumption along with the health and safety of our employees are issues that have become increasingly relevant in recent years. This prompted us to implement a certified EHS-System according to the international Environmental Standard ISO14001, the Energy Management Standard ISO50001 and the Health & Safety Standard OHSAS18001.



MATERIAL TYPES

12% Chromium Steel

Precipitation Hardening Steels

Nickel-base Alloys

Titanium Alloys



TITANIUM ALLOYS



STEEL ALLOYS



NICKEL-BASE ALLOYS

» Ti6Al-4V

» Ti-6Al-2Sn-2Zr-2Mo-2Cr

» Ti-3Al-2,5V

» Jethete M152

» X22CrMoV 12-1

» X20Cr 13

» XCrNiCuMo 14-5

» Cr-Ni-Cu-Cb-Fe-Alloy

» X6NiCrTi 26-15

» XCrNi 13-4

» X4CrNiMo 16-5-1

» 17-4 PH

» PH 13-8 Mo

» Alloy 80A

» Alloy 718

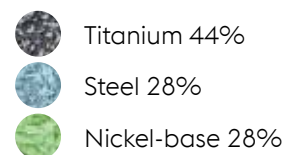
» Alloy 720

» Alloy 901

MATERIALS & TAILOR-MADE PROCESS LAYOUTS

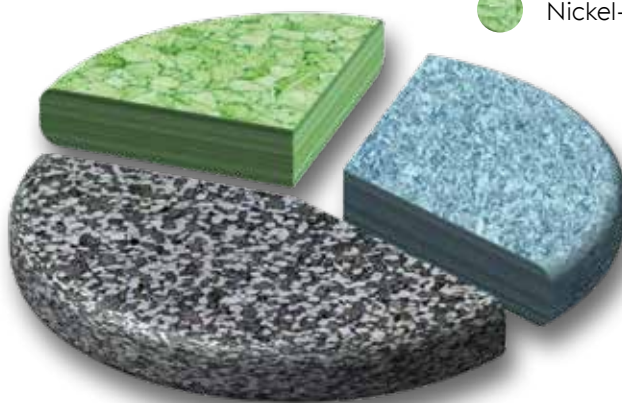
voestalpine BÖHLER Aerospace materials and processes experts define the proper solutions of process layouts for a wide range of materials in combination with complex part geometries. With regard to the type of alloy, forging and heat treatment parameters are chosen and optimized to achieve the highest process capability.

Material Consumption
Sales values fiscal year 2017/18



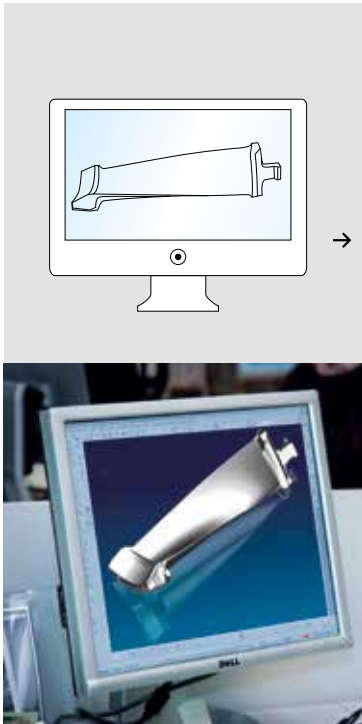
SPECIAL APPLICATIONS

» X3CrNiMo-13-4	1.4313
» S355J2	1.0570
» 19MnVS6	1.1301
» 36CrNiMo-4	1.6511
» 42CrMo-4	1.7225
» 18CrNiMo7-6	1.6587
» X2CrNiMoN22-5-3	1.4462
» X2CrNiMoCuWN25-7-4	1.4501

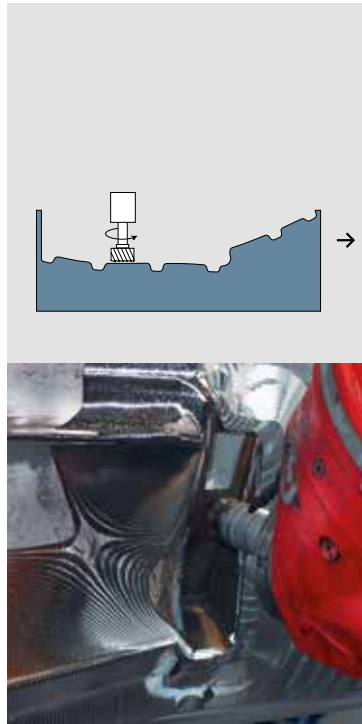


POWER GENERATION

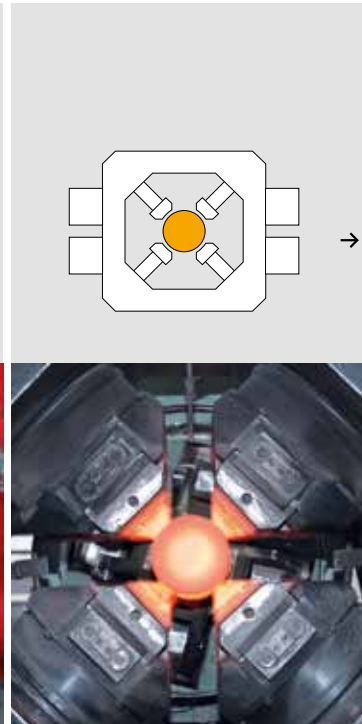
DESIGN ENGINEERING
& MODELING



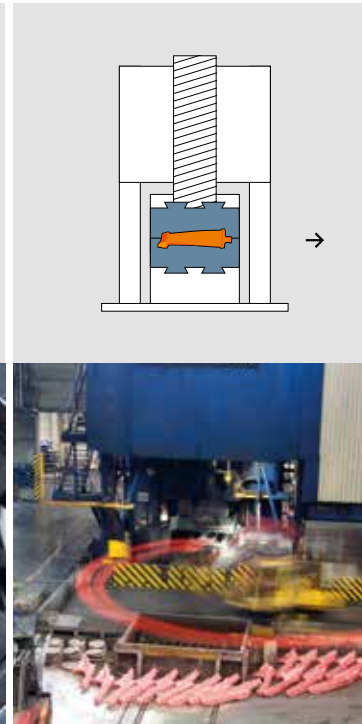
DIE MANUFACTURING



PRE-FORMING

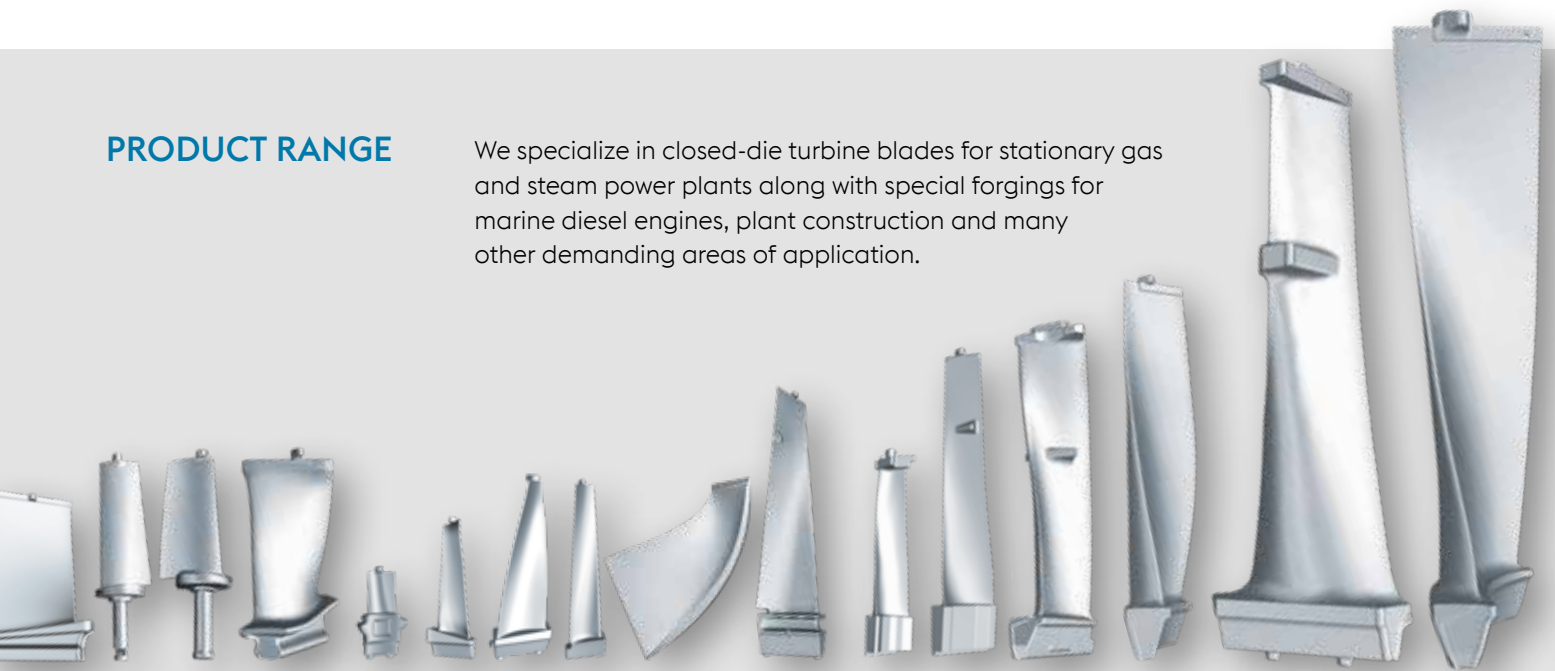


CLOSED-DIE FORGING



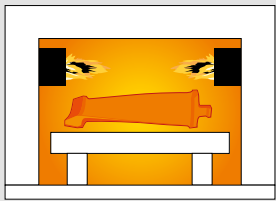
PRODUCT RANGE

We specialize in closed-die turbine blades for stationary gas and steam power plants along with special forgings for marine diesel engines, plant construction and many other demanding areas of application.

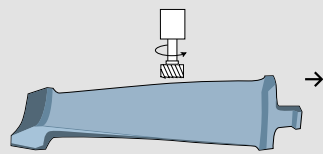


STATE-OF-THE-ART PRODUCTION PROCESS

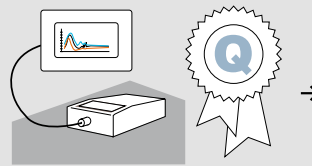
HEAT TREATMENT



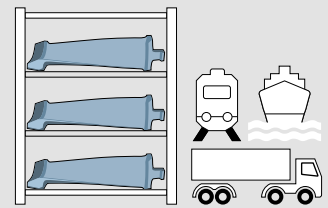
PRE-MACHINING



TESTING / CERTIFICATION



STOCK / DISPATCH



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voestalpine

ONE STEP AHEAD.