

**Deloro**  
Microfusione



# MICROFUSIONE S.r.l.

COMPANY PROFILE

[deloro.com](http://deloro.com)

# COMPANY PROFILE

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**We are a global provider of manufacturing services to the aerospace, defense and gas turbines market. We value integrity, accountability, respect for environment, health and safety.**

**Deloro Microfusione** is a prime manufacturer of vacuum and air investment castings for Industrial Gas Turbines (IGT) and Aerospace applications.

**Deloro Microfusione** is specialized in a variety of Nickel and Cobalt based super alloys as well as stainless steel.

The fully equipped laboratory and inspection facilities ensure meeting highest quality standards through complete in house destructive and non-destructive testing capabilities. **Deloro Microfusione** can offer a wide range of post casting value added services that may include Hot Isostatic Pressing (HIP), heat treatment, machining and coating.

**Deloro Microfusione** has a long-time business relationship with Original Equipment Manufacturers (OEM) and service companies for IGT, Aerospace, defense and other industries. Customers include *GE Power, Baker Hughes General Electric, Ansaldo, Siemens, Sulzer Turbo Services, Ethos Energy, GE AVIO, Leonardo, SAFRAN Group and others.*

**Deloro Microfusione** strives to be the preferred partner for our customers for Superalloy Casting.

**Deloro Microfusione** Mission is to create customer value by providing problem solving and manufacturing services to deliver enduring, reliable, enhanced and cost-effective components.

- Best in class «time to market» for new products
- Reliability, quality and flexibility in manufacturing
- Openness to new technologies and innovation



# R&D

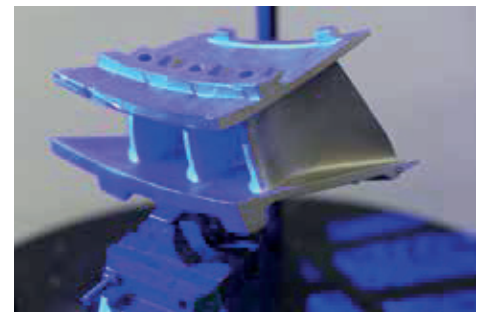
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**Deloro Microfusione** sticks to the tradition of **Deloro Stellite** of continued Research and Development process. Our **Research and Development** Department is working on continuous improvement of products and processes.

Dedicated resources are available to achieve the best cost effective processes in manufacturing of enhanced product characteristics.

State of the Art design tools such as other **3D Cad** systems, **GOM blue light** dimensional scanning and **Procast** solidification modelling software are used to develop sophisticated processes for wax patterns reforming, clusters assembly and casting.

The use of **rapid prototype** technology, such as **3D wax printing**, ensures the very effective real-time implementation of preliminary tests on actual castings, before the final tool is built.



# QUALIFICATIONS & CERTIFICATIONS

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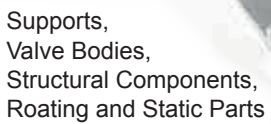
As well as maintaining ISO 9001 and ISO 9100 certifications, **Deloro Microfusione** is listed in the OASIS database of the IAQG Group of the Aerospace Industries.

Deloro Microfusione holds also certifications of prime **Aerospace** customers and on annual basis, our Laboratory takes part to accredited Proficiency Testing activities for interlaboratory tests comparisons.

**Deloro Microfusione** "Non Destructive Testing" system is approved by NADCAP.



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# USED ALLOYS

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## Nickel base:

- Inconel 718
- Inconel 738
- Inconel 792
- Inconel 939
- René 80
- René 108
- MarM 247
- Alloy 247
- Udimet 500
- Alloy C 263
- Alloy C 1023
- Hastelloy X

## Cobalt base:

- FSX 414
- X40
- X45

## Iron base:

- 17-4 PH
- N 155

Other alloys if requested available.  
Maximum casting gross weight  
in vacuum 180 kg.

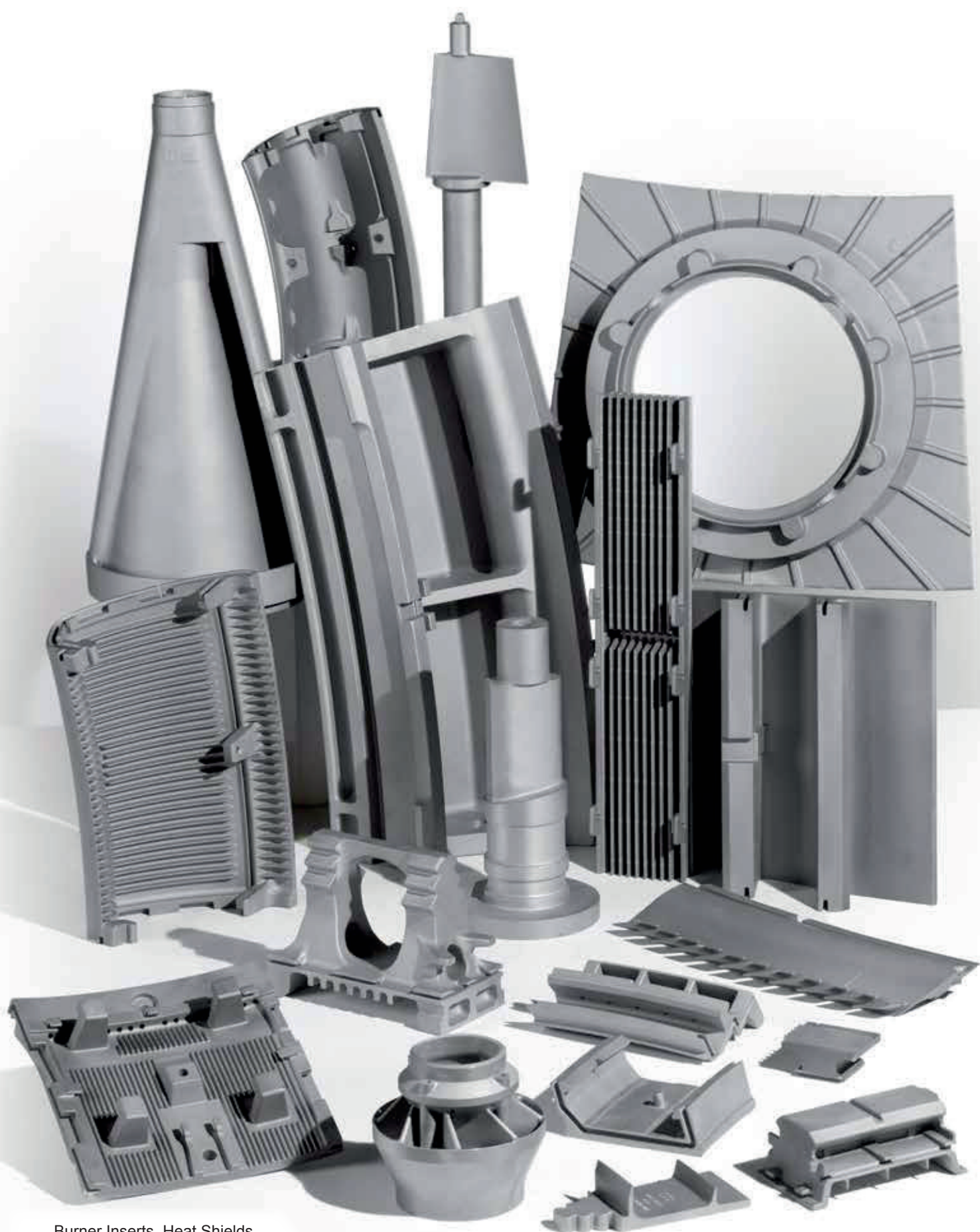
# **GAS TURBINE COMPONENTS**

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Rotating Blades, Static Vanes,  
Multi Vane Nozzles





Burner Inserts, Heat Shields,  
Cover Plates, Radial Pins



## **Deloro** Coatings

Offering high-quality coating services utilizing a wide range of cobalt, nickel and iron-based alloys as well as tungsten carbide



## **Deloro** Wear Solutions

Offering bespoke components, coating services, consumables and equipment



## **Deloro** Microfusione

Leading manufacturing services provider for highly-demanding air- and vacuum-cast super alloy investment castings

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