
MG
AEROSPACE s.r.l.

COMPANY PROFILE

CONTENTS

01 IDENTITY

01

IDENTITY

VALUE

INVESTING IN EXCELLENCE THROUGH PEOPLE AND TECHNOLOGY

VISION

CONSOLIDATING OUR ROLE AS **ELITE SUPPLIER** FOR LEADING COMPANIES IN THE SPACE, AERONAUTICS AND MEDICAL FIELDS AND AS A LEADER **IN PRODUCT AND PROCESS DEVELOPMENT** TO GROW OUR BUSINESS FOOTPRINT AND **FULLY SATISFY** ALL STAKEHOLDERS

MISSION

SYSTEMIC MANAGEMENT OF BOTH COMPANY AND PROCESSES; **STRUCTURED APPROACH** TO RISK MANAGEMENT; BUILDING A **STRATEGIC NETWORK OF KNOW-HOW**; COTINUOUS **INVESTIMENT** IN THE **DEVELOPMENT OF CAPABILITIES**; **FOCUS** ON THE **CLIENTS' AND SUPPLIERS' NEEDS**

02

HISTORY

02

HISTORY

1959

Giovanni Grasso establishes **GRASSO GIOVANNI,** manufacturing molds and tooling for the automotive industry.

1985

GRASSO GIOVANNI starts developing solutions and products made using electroerosion (wire electroerosion first, die-sinking later).

1995

GRASSO GIOVANNI leaves the automotive sector in favour of aeronautics, space and medical.

2000

MECCANICA GRASSO is established and immediately set on the path of obtaining important certifications.

2020

MECCANICA GRASSO starts developing products using ADDITIVE technology.

2021

Mario Montanaro takes over **MECCANICA GRASSO** with the aim of developing medical and aerospace products.

2022

Meccanica Grasso becomes **MG Aerospace** in term to keep having high performance and a costantly growth

03

COMPANY

03

COMPANY

PIEDMONT
ITALY

MG Aerospace

Via Vajont 88,
Rivoli (TO)

AIRPORTS

Milano-Malpensa Airport,
Ferno (VA)

Torino Airport,
Caselle Torinese (TO)

03

COMPANY

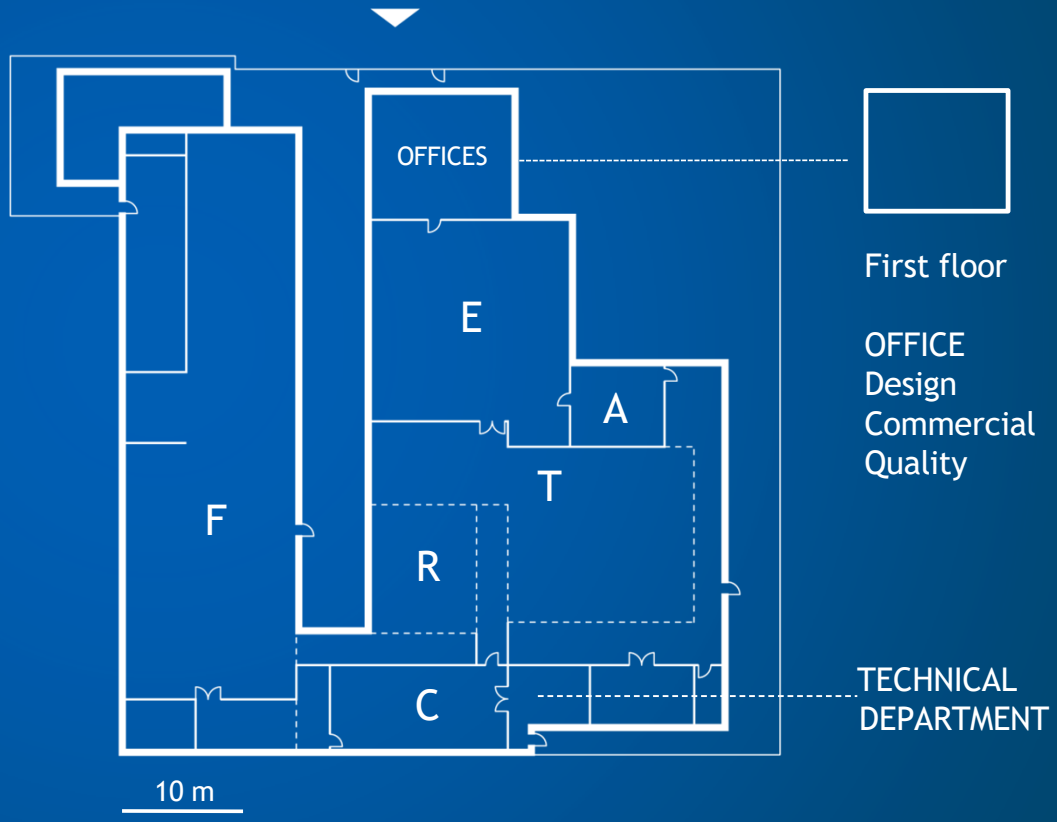
MG Aerospace

3000 mq

MACHINERY
30 UNITS

EDM	E
ADDITIVE	A
LATHE	T
GRINDING	R
MILLING	F
TESTING	C

CAPABILITY



03

COMPANY

TEAM

HIGHLY QUALIFIED STAFF OF 36 PERSONNEL

CERTIFICATIONS

NADCAP (EDM) EN9100 AND ISO13485 CERTIFICATES

TECNOLOGY

CNC PRODUCTION AND CUSTOMIZATIONS USING ADDITIVE TECHNOLOGY

SECTORS

DEVELOPMENT, PRODUCTION, AND QUALITY CONTROL OF MECHANICAL COMPONENTS FOR MEDICAL AND AEROSPACE SECTORS

03

CUSTOMERS

LEONARDO

COMER
MECHANICAL MANUFACTURING
FOR AERONAUTICAL TECHNOLOGY

Collins Aerospace

ThalesAlenia Space
a Thales / Leonardo company

MECAER | AVIATION | GROUP

SAFRAN
AEROSPACE · DEFENCE · SECURITY

Avio Aero
A GE Aviation Business

MAGROUP

kopter

03

PARTNERSHIP

DISTRETTO AEROSPAZIALE PIEMONTE

POLITECNICO DI TORINO

POLO DI INNOVAZIONE BioPmed

04

CAPABILITY

04

CAPABILITY

KIWA

CERTIFICATION

Conformity quality document
UNI CEI EN ISO 13485-2016

Conformity quality document
EN 9100:2018
FAI

CERTIFICATIONS

CERTIFICATE

kiwa

Rg. Numero / *Reg. Number* 00186- N
Inizio validità / *Issue date* 2019-10-05
Prima emissione / *First issue date* 2013-10-07
Ultima modifica / *Reissue date* 2022-02-01
Possimo rinnovo / *Expiry date* 2022-10-04
Settore IAF / *IAF Sector* 17, 21

Certificato di Approvazione
Certificate of Approval

Si dichiara che il Sistema di Gestione per la Qualità dell'Organizzazione:
We certify that Quality Management System of the Organization:

MG AEROSPACE S.r.l.

È stato valutato in accordo ai requisiti della EN 9104-001:2013 e del Regolamento Tecnico Accredia RT 18 / *Has been audited in accordance with EN 9104-001:2013 requirements and Accredia RT 18*

Ed è conforme ai requisiti delle seguenti Norme per la gestione dei Sistemi Qualità / *and It is in accordance to the following Quality Management System Standards*

EN 9100:2018, AS9100D, JISQ 9100:2016
ISO 9001:2015

Scopo/*scope*: Lavorazioni meccaniche di precisione, inclusi i processi ci elettroerosione a filo e a tuffo per il settore aeronautico, aerospaziale ed industriale.
Precision mechanical machining, including the wire and sinker EDM processes for aviation, aerospace and industrial sector.

Chief Operating Officer
Giampiero Belcredi

Il mantenimento della certificazione è soggetto a sorveglianza annuale e subordinato al rispetto dei requisiti contrattuali di Kiwa UNAVIAcert / *The maintaining of the certification is subjec: to annual surveillance and dependent on the observance of Kiwa UNAVIAcert contractual requirements.*

Il presente certificato è costituito da 1 pagina.
This certificate is composed by 1 page.

MG AEROSPACE S.r.l.
Sedi oggetto di certificazione / *Certified Sites*
- Via Vajont 88 10098 Rivoli (TO) Italia

IKiwa UNAVIAcert S.r.l.
Via Cadriano, 23
40057 Granarolo dell'Emilia (BO)
Tel. 0514569110
Fax 051763382
E-mail info@unaviacert.it
www.unaviacert.it

UNAVIAcert

IAF ACCREDIA

SGQ N° 024A

CERTIFICATO

kiwa

Reg. Numero 17639 - M
Valido da: 2022-02-14
Prima rilascio 2019-02-18
Ultima modifica 2022-02-14
Scadenza 2025-02-17

Certificato del Sistema di Gestione per la Qualità
ISO 13485:2016

Si dichiara che il Sistema di Gestione per la Qualità dell'Organizzazione:

MG AEROSPACE S.r.l.

è conforme alla norma UNI CEI EN ISO 13485:2016 per i seguenti prodotti/servizi:

Lavorazione meccaniche di precisione conto terzi per impianti non attivi e dispositivi non impiantabili (attivi e non attivi)

Chief Operating Officer
Giampiero Belcredi

Il mantenimento della certificazione è soggetto a sorveglianza annuale e subordinato al rispetto dei requisiti contrattuali di Kiwa Cermet Italia.

Il presente certificato è costituito da 1 pagina.

Kiwa Cermet Italia S.p.A.
Società con socio unico, soggetta all'attività di direzione e coordinamento di Kiwa Italia Holding Srl
Via Cadriano, 23
40057 Granarolo dell'Emilia (BO)
Tel +39.051.459.3.111
Fax +39.051.763.382
E-mail: info@kiwacermet.it
www.kiwa.it

CERMET

MG AEROSPACE S.r.l.
Sede Legale
- Via Vajont 88 10098 Rivoli (TO) Italia
Sedi Oggetto di Certificazione
- Via Vajont 88 10098 Rivoli (TO) Italia

IAF ACCREDIA

SGQ N° 007A

04

CAPABILITY

NADCAP

CERTIFICATE

Nonconventional Machining

CERTIFICATION

Merit Merit

Nadcap
Administered by PRI

This certificate is granted and awarded by the authority of the Nadcap Management Council to:

MG Aerospace s.r.l.

VIA VAJONT
RIVOLI, Torino, 10098
Italy

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Nonconventional Machining

Certificate Number: 11275208176
Expiration Date: 31 May 2024
Accreditation Length: 24 Months

Jay Solomond
Executive Vice President & Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527

Merit Merit

04

CAPABILITY

MACHINERY

6
5 AXIS MACHINING CENTERS

9
LATHES (3 LATHE-MILLS)

8
EDM WIRE AND SINKING

1
ELECTRON BEAM MELTING (ADDITIVE MANUFACTURING)

1
MICRO-PERFORATOR

4
3 AND 4 AXIS MILLS WITH AND WITHOUT PALLET CHANGING

3
MACHINES FOR TANGENTIAL AND ROUND GRINDING

4
CMM MEASUREMENT MACHINES

04

MACHINERY

CAPABILITY

ARCAM EBM Q10 plus

DESCRIPTION
Metal-titanium
additive manufacturing

MANUFACTURER
GE Additive

VOLUME
200x200x180

4 AXIS CNC MACHINE

DESCRIPTION
4 axis horizontal milling machine

MANUFACTURER
Mori Seiki

VOLUME
Dia. 500 - h. 700

ACCURACY
0,01

SINKER EDM

DESCRIPTION
Electrical discharge machining

MANUFACTURER
Agie-Chermilles

VOLUME
600x400x850

ACCURACY
0,01

04

MACHINERY

CAPABILITY

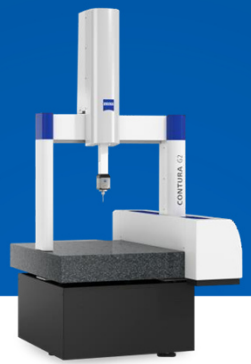
5 AXIS CNC MACHINE

DESCRIPTION
Milling machine

MANUFACTURER
DMG Mori Seiki

VOLUME
2600x700x700

ACCURACY
0,01



ZEISS CONTURA G2

DESCRIPTION
CMM machine

MANUFACTURER
Zeiss

VOLUME
1600x1000x600/1200x800x500

ACCURACY
0,001

MAZAK INTEGREX 200S

DESCRIPTION
Lathe - mill

MANUFACTURER
Mazak

VOLUME
Dia. 600 - l.1000

ACCURACY
0,01

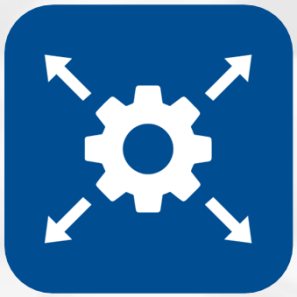
05

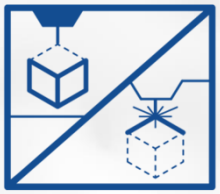
PRODUCTION PROCESS

05

PRODUCTION PROCESS

INTERNAL CAPABILITY





ADDITIVE

EDM

MILLING
TURNING
GRINDING HAND
LAPPING
DEBURRING
MICRO-PERFORATION
LASER MARKING HEAT TREATMENT

PRODUCT DESIGN AND DEVELOPMENT ACCORDING TO ISO9170-1 (since 2021)

QUALITY CONTROL

05

PRODUCTION PROCESS

DESIGN FOR ADDITIVE MANUFACTURING TECHNOLOGY

Based on EDM analysis, topological optimization is possible to make the product lighter and maximize the performance

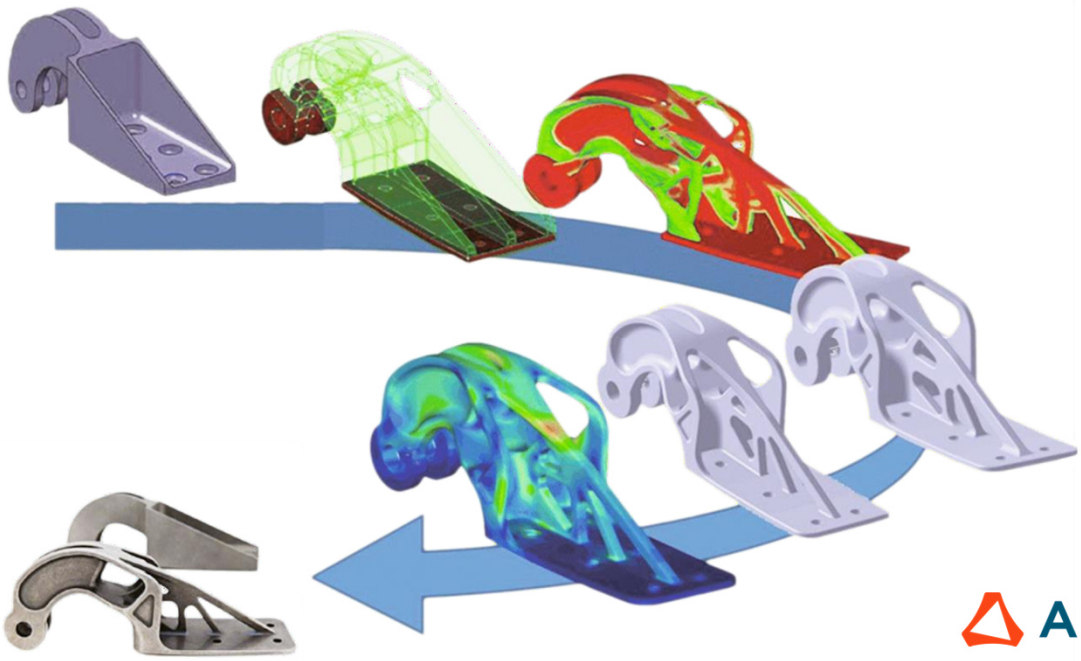
INITIAL COMPONENT

FEM ANALYSIS

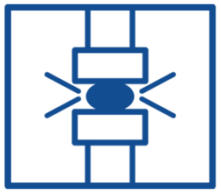
OPTIMIZED COMPONENT

70% less mass

Improvement of structural performance



OUTSOURCING



TEST ON SPECIMENS

HEAT AND SURFACE TREATMENTS

06

MEDICAL

06

MANUFACTURED

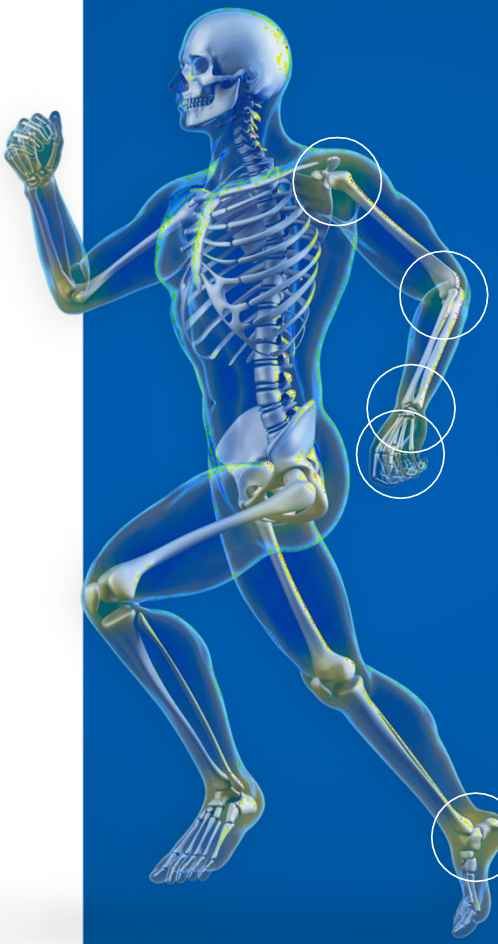
PRODUCTS

MEDICAL

HIP

Full functionality recovery

KNEE



EVOLUTION

All geometries are achievable using **Additive technology**

SHOULDER

ELBOW

WRIST

HAND

ANKLE

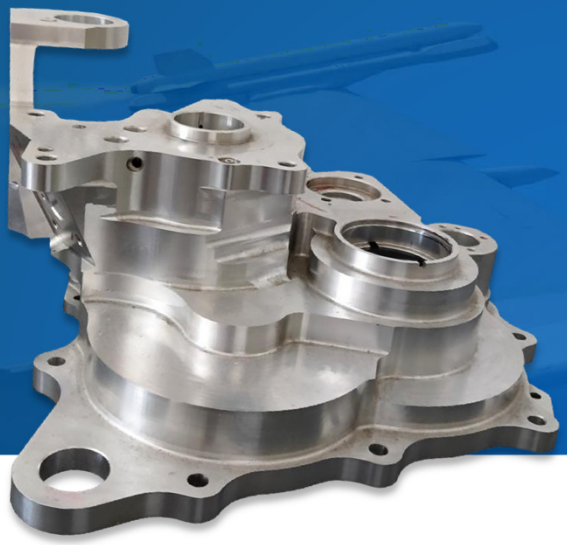
07

AERO-SPACE

07

PRODUCTS

AEROSPACE



PROCESSES
Turning
Milling
Thermal treatment
Deburring
Control test

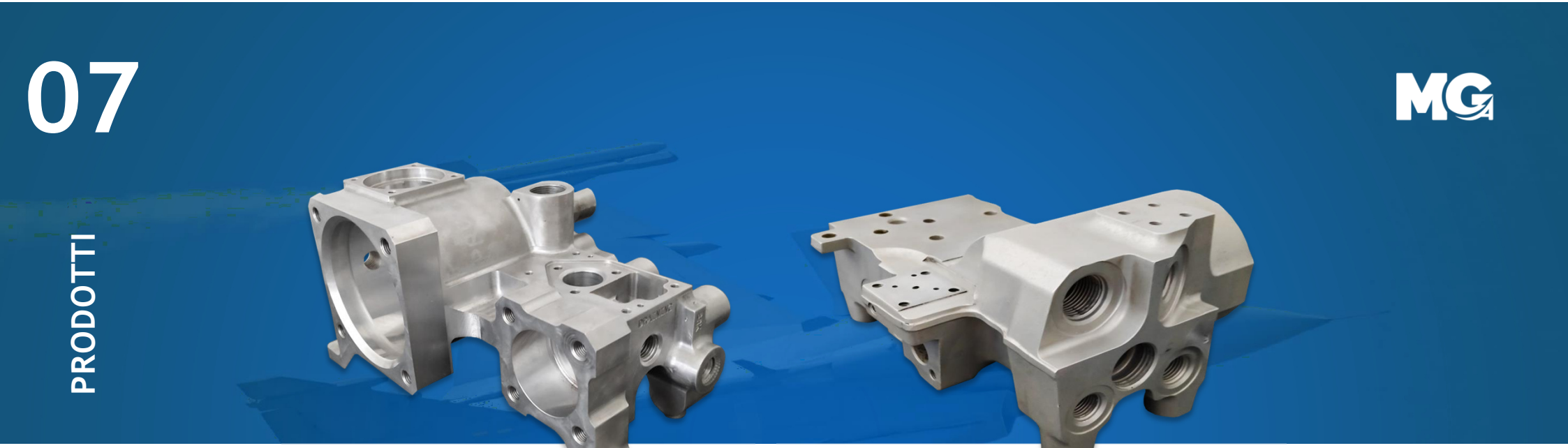
MATERIAL
Aluminum

PROCESSES
Turning
Milling
Thermal treatment
Deburring
Control test

MATERIAL
Aluminum

07

PRODOTTI



AERO-SPAZIO

PROCESSI
Tornitura
Fresatura
Trattamenti termici
Sbavatura
Test controllo

MATERIALE
Alluminio

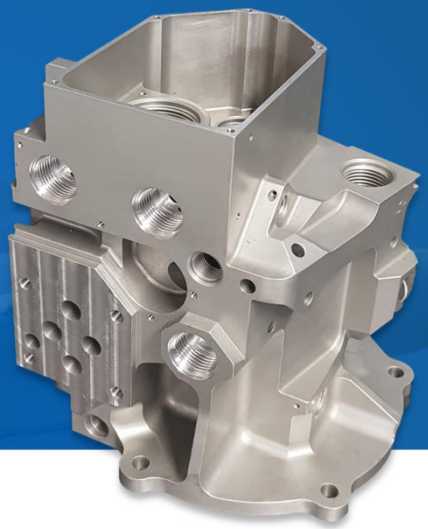
PROCESSI
Tornitura
Fresatura
Trattamenti termici
Sbavatura
Test controllo

MATERIALE
Alluminio

07

PRODUCTS

AEROSPACE



PROCESSES
Turning
Milling
Thermal treatment
Deburring
Control test

MATERIAL
Aluminum

PROCESSES
Turning
Milling
Thermal treatment
Deburring
Control test

MATERIAL
Aluminum

07

AERO-SPACE

ROTOR

TURNING
BLANK

FINAL PART AFTER
EDM PROCESS

EDM

08

REFERENCES

08

CONTACTS

REFERENCES

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011-9588765

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TECHNOLOGY
QUALITY
INNOVATION
SINCE 1959