



Steel Forgings S.p.A.

**Your expert in closed die
hot steel forgings**

FACTS 2018

Founded in 1935 by Family Colombo

Sales: Euro 62.200.000

Export about 63%

Employees: 250

Property surface: 250.000 m² (62 Acres)

Covered surface: 60.000 m² (15 Acres)

In house: Engineering CAD/CAM,

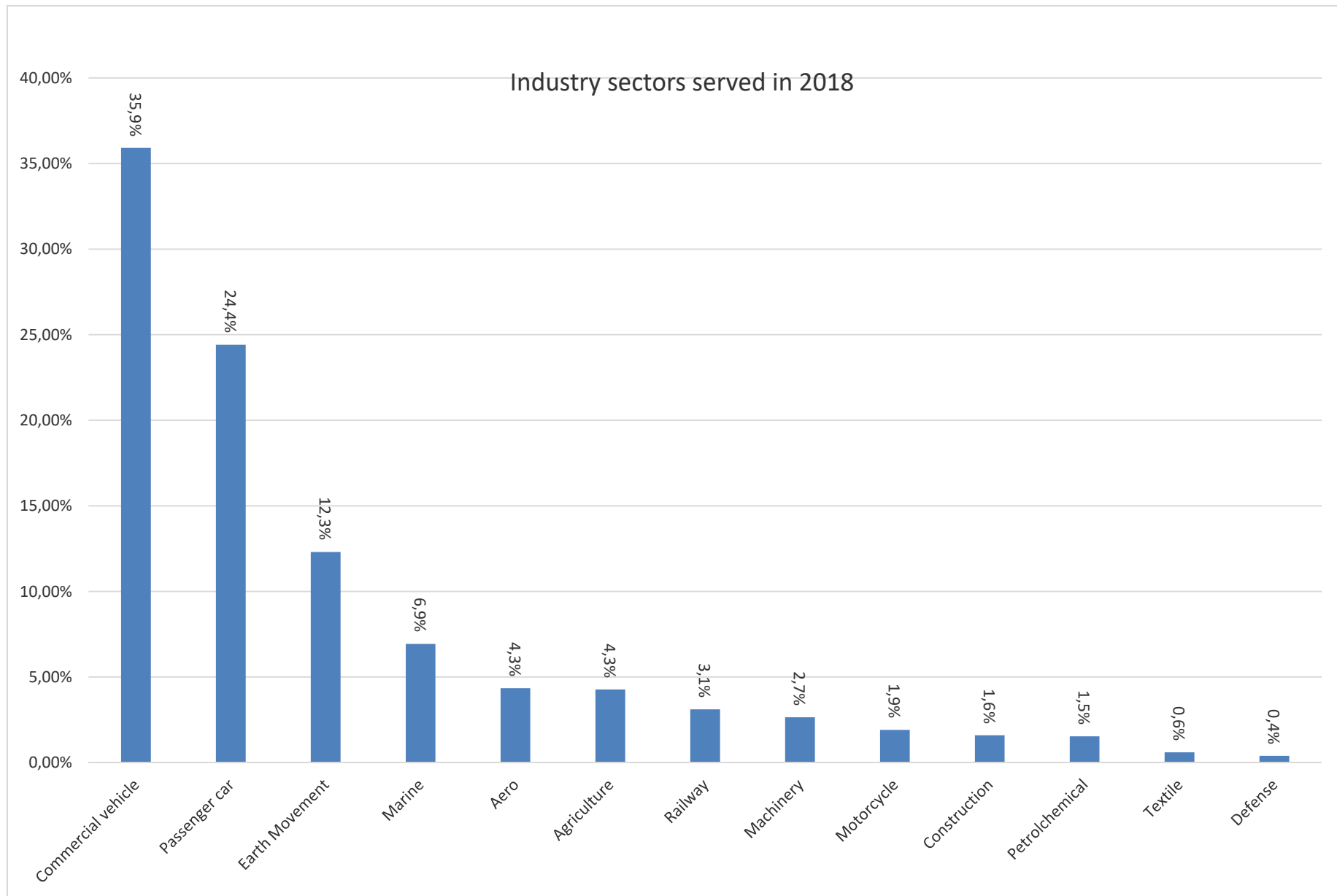
Forging simulation (SW Forge),

Toolings, Forgings, Final operations,

Laboratory

Outsourced: Steel, heat treatments

MARKET SECTORS





DAIMLER

DANA

BMW

KESSLER·CO

KORDEL

VW

PORSCHE

SAF Holland

Audi

HEYO

HITACHI

SISU AXLES

SCANIA

DANA

ACSA

Steel Forgings S.p.A.

Audi

KORDEL

VW

FIAT

SKODA

DANA

BMW

TIRSAN KARDAN
SANAYİ VE TİCARET A.Ş.

Ford

FORD OTOSAN

TRANSLOCO

Engineering Industries

JOHN DEERE

GE

LYCOMING
A Textron Company

Continental Motors, Inc.
Aviation Technician Advanced Training Program

Combat Propulsion Systems

SUPERIOR AIR PARTS

EPS
A REVOLUTION IN FLIGHT

E.I. Basler Co.

BONFIGLIOLI
Power & Control Solutions

strepavara s.p.a.

IVECO

VM MOTORI

LAMBORGHINI

DUCATI

FERRARI

ih

assali STEFEN

BORRONI

BRIST

Donaldson

ALFIN

powertrain
kurbelwellen • crankshafts

JOHN DEERE

BEINBAUER GROUP

TEXTRON MOTORS

JUST

KLEIN
Gelenkwellen

Manitowoc

HYDRO LEDUC

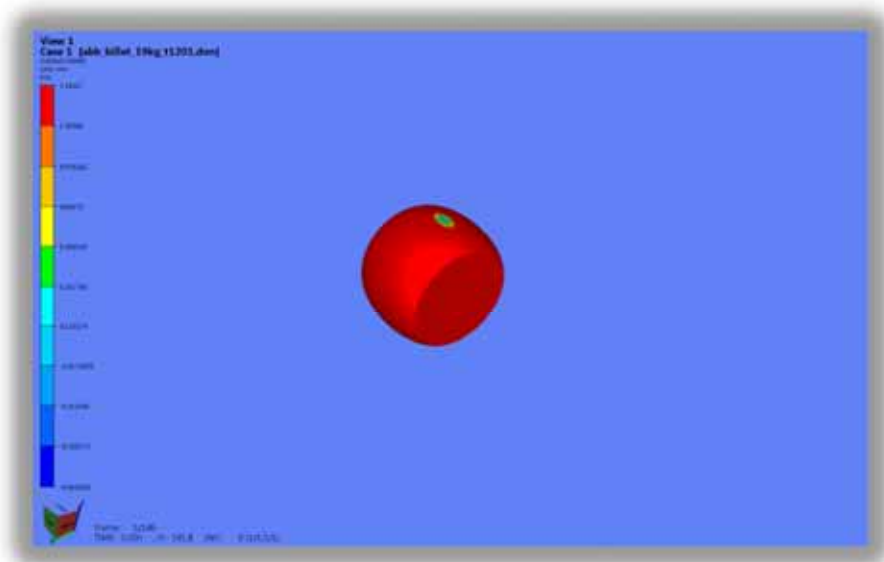
MACIMEX

SOME CUSTOMERS

STEEL YARD



Steel is mainly purchased from Italian mills and the rest from Western European mills



ENGINEERING & TOOL SHOP



PRODUCTION

- 10 lines of presses ranging from 1600 T to 6300 T, capable of producing parts from 1,5 to 100 kg (including 3 twisting presses)



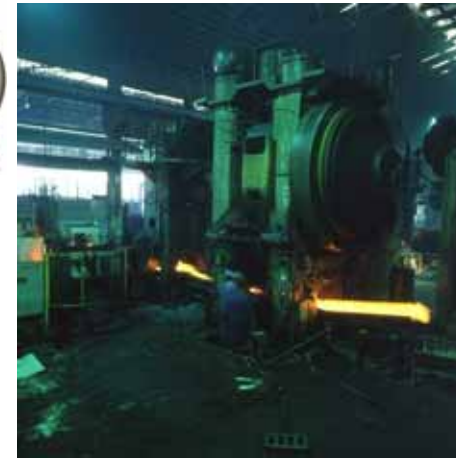
- 2 lines of hammers up to 25.000 kgm, capable of producing parts up to 250 kg
- 3 lines of hot extrusions from 400 T to 1250 T, capable of producing hollow parts up to 250mm diameter and 1000mm length

EQUIPMENT PICTURES



1600 T
(2 lines)

2500 T
(3 lines)



4000 T
(2 lines)



6300 T
(3 lines)



EQUIPMENT PICTURES



Hot
Extrusion
(3 lines)



Hammers
(2 lines)



N. 3
Twisting
presses

CERTIFICATIONS



CISQ/ICIM SPA has issued an IQNet recognized certificate that the organization:

A.C.S.A. Steel Forgings S.p.A.

Head Office and Operative Unit
Via per Solbiate, 43 - I-21040 Oggiona con Santo Stefano (VA)
Operative Units
Via per Solbiate, 48 - I-21040 Oggiona con Santo Stefano (VA)
Via per Solbiate, 57/59 - I-21040 Oggiona con Santo Stefano (VA)

has implemented and maintains a

Environmental Management System
for the following scope:

Production of steel mechanical components by hot forging/extrusion,
which fulfills the requirements of the following standard:

ISO 14001:2015

Issued on: 2018-04-10
First issued on: 2016-06-14
Expires on: 2019-06-13

This information is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

Registration Number: IT-102988



Alex Steichman
Alex Steichman
President of IQNET



Ing. Claudio Provera
Ing. Claudio Provera
President of CISQ

IQNet Partner*
ANOR Spain ANOR Certification France ANCFER Portugal CCC Cyprus CSDO Italy
CQC China CQM China CQR Czech Republic CRI Cert Croatia DQS Holding GmbH Germany FCB Brazil
FONDORAMA Hungary KONTEC Colombia Inspiro South Korea OY Finland ENTECO Costa Rica
IRAM Argentina IFA Japan IFO Korea IRTEC Greece MINT Hungary Nordin AS Norway NQA Ireland
NVT/NIQS Mexico PCTW Poland Quality Systems Group UK Provia SEI Brazil SRI Slovenia
SRM DAS International Spain IAFS Switzerland SRAC Romania TST S. Petersburg Russia TSE Turkey VUZS Serbia
IQNet is represented in the USA by: ANOR Certification, CISQ, DQS Holding GmbH and NQA Inc.

* The list of IQNet partners is valid in the text of issue of this certificate. Updated information is available under www.iqnet-certification.com

Certificato N. 7529/1
Certificate No.

SI CERTIFICHiamo IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY
A.C.S.A. Steel Forgings S.p.A.

UNITÀ OPERATIVE / OPERATIVE UNITS
Via per Solbiate, 43 - 21040 Oggiona con Santo Stefano (VA)
Italia

È CONFORME ALLA NORMA / IT IS IN COMPLIANCE WITH THE STANDARD
PrEN 9100:2016 / AS9100D

ESCLUSIONE AMMESSA / PERMITTED EXCLUSION
par. 8.3 Product Design

PER LE SEGUENTI ATTIVITÀ / FOR THE FOLLOWING ACTIVITIES
EA: 17 - 21

Fabbricazione di componenti meccanici in acciaio da stampaggio/estrusione a caldo per il settore aeronautico
Production of steel mechanical components by hot forging/extrusion for the aerospace

DATA EMISSIONE ISSUE DATE 19/03/2018	EMMISSIONE COMMENTI REVISIONE DATA 10/04/2018	DATA DI SCADENZA EXPIRY DATE 19/03/2021
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Ing. Claudio Provera
ICIM S.p.A.

ACSA STEEL FORGINGS IS CERTIFIED:
ISO 14001 - EN 9100;

CERTIFICATIONS



Certificate No : MD00/0071/0007/3
A.C.S.A. STEEL FORGINGS S.P.A.
 Via Per Solbiate Arno 43
 21040 Oggiona S.Stefano
 Varese
 Italy

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :

Forgings in carbon, carbon-manganese and alloy steel
 (maximum weight 350 Kg)

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

Valid Until : 24 August 2019
 Date of Issue : 14 October 2016


Gavin Young
 Metallurgical Specialist to Lloyd's Register LMA
 A member of the Lloyd's Register group

Lloyd's Register and its services are provided under the terms of the Lloyd's Register Group Limited (LRG) Terms of Business. The LRG Terms of Business are available on the Lloyd's Register website. Lloyd's Register is a member of the Lloyd's Register Group Limited. Lloyd's Register Group Limited is a public limited company registered in England and Wales. Lloyd's Register Group Limited is authorised and regulated by the Financial Conduct Authority (FCA) as a credit reference agency. Lloyd's Register Group Limited is also authorised and regulated by the Information Commissioner's Office (ICO) as a data controller. Lloyd's Register Group Limited is also authorised and regulated by the Information Commissioner's Office (ICO) as a data controller. Lloyd's Register Group Limited is also authorised and regulated by the Information Commissioner's Office (ICO) as a data controller.




CERTIFICATE OF APPROVAL OF MANUFACTURERS OF MATERIALS
 No. FAB005115MI

This is to certify that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

Description Type	Carbon, Carbon - Manganese and Alloyed Steel Forgings Weight 0.5 to 350 kgs intended to engine components for marine service
Manufacturer	A.C.S.A. STEEL FORGINGS SPA
Place of manufacture	VIA PER SOLBIATE, 43 21040 OGGIONA CON SANTO STEFANO (VA) ITALY
Reference standards	RINA Rules for the approval of manufacturers of materials

Issued in MILANO on February 3, 2015. This Certificate is valid until January 24, 2020


 RINA Service S.p.A.
 Edoardo Giribaldi

This certificate consists of this page and 1 enclosure

RINA Service S.p.A.
 Via Cavallotti, 12 - 00138 Genova
 Tel +39 010 50021
 Fax +39 010 50003

LOYD'S REGISTER OF SHIPPING and RINA

CERTIFICATIONS



DNV-GL

Certificate No:
AMM-7054
File No:
SF
Doc Id:
283-11-004506-2

**APPROVAL OF MANUFACTURER
CERTIFICATE**

This is to certify:
That
A.C.S.A. STEEL FORGINGS S.P.A.
Oggiona Con Santo Stefano VA, Italy
is an approved manufacturer of
Steel Forgings
in accordance with
Det Norske Veritas' Rules for Classification Pt. 2
and the following particulars:

Steel types	Carbon and carbon-manganese
Max. weight	16 kg

Havik, 2014-11-07
for DNV GL


DNV GL local office:
Milan

This Certificate is valid until
2018-12-31


Hanne Anita Hærsetjorn
Head of Section


Dechun Luo
Surveyor

If the certificate holder does not comply with the conditions, the certificate may be suspended or withdrawn by DNV GL. The certificate holder shall be responsible for any damage, including the cost of any investigation, arising from the use of the certificate. The certificate holder shall be liable for any damage caused by the use of the certificate. The certificate holder shall be liable for any damage caused by the use of the certificate. The certificate holder shall be liable for any damage caused by the use of the certificate.

DNV GL is a member of the DNV Group. The DNV Group is a global leader in providing services to the oil and gas, power, and maritime industries. DNV GL is a leading provider of technical services, including classification, engineering, and project management. DNV GL is a member of the DNV Group. The DNV Group is a global leader in providing services to the oil and gas, power, and maritime industries. DNV GL is a leading provider of technical services, including classification, engineering, and project management.

DNV

CONTROLS



To ensure quality products following inspections can be performed:

- dimensional layouts with CMM
- hardness checks
- tensile and impact tests
- micro and macrographic checks
- chemistry analysis
- magnetic particle inspection





FINAL OPERATIONS

5 LINES FOR SHOTBLASTING, VISUAL INSPECTION & PACKAGING



Crankshafts



Steering Knuckles

Transmission parts



Brake spiders



PRODUCTS

And others

Gearbox housing



Camshafts



Extrusion parts



A.C.S.A. Steel Forgings SpA
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21040 Oggiona con S. Stefano (VA) - Italy
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Web: www.acsa.it