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About Alcion

Alcion is located in Miranda de Ebro / Spain



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www.alcioncasting.com

About Alcion

Alcion's headquarter



About Alcion

Alcion's figures



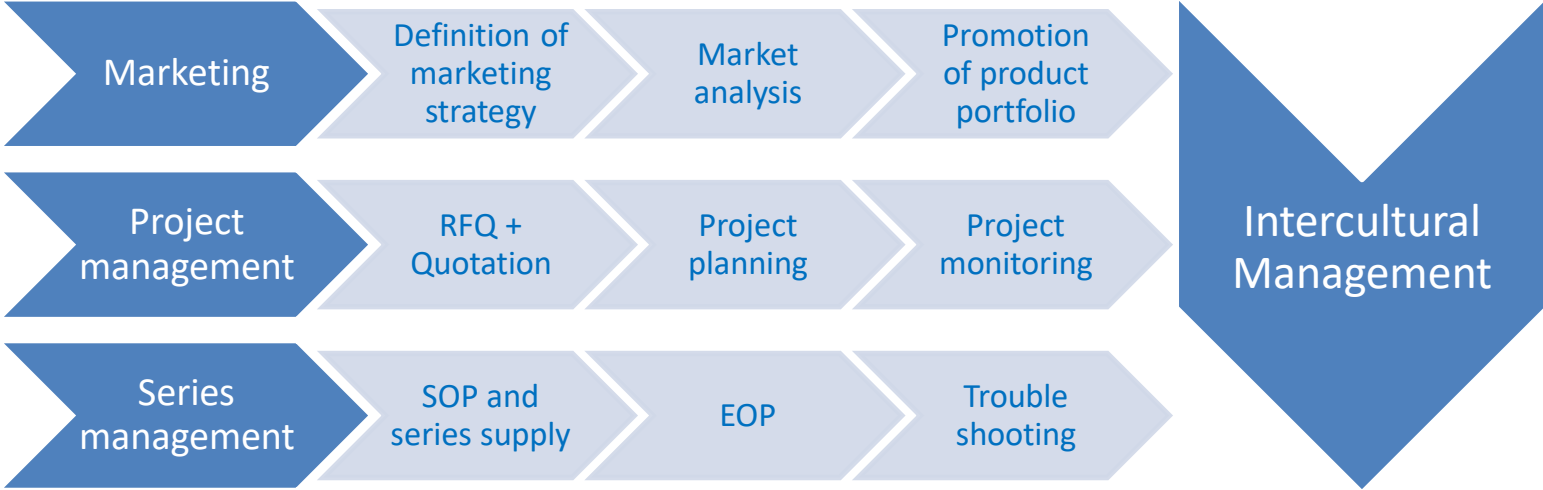
Total Turnover: 10.000.000€



Total number of employees: 53

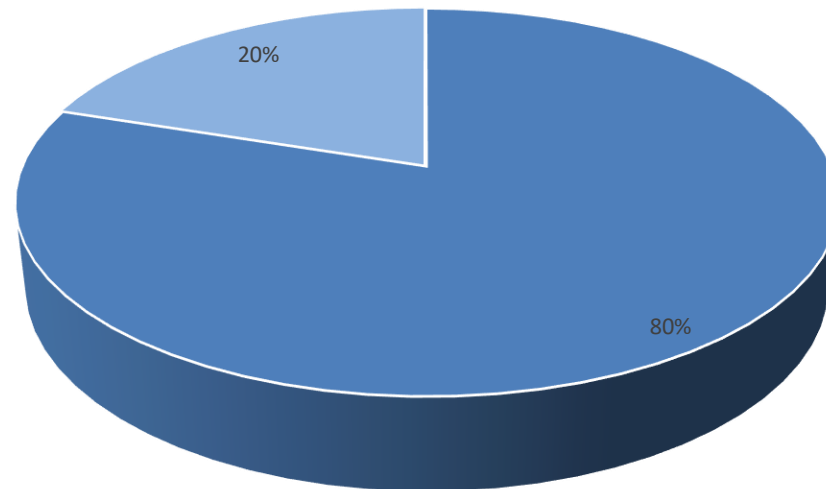
Compauto – partner of Alcion

Compauto's main services in detail



Markets

Alcion's distribution of sales



■ Automotive ■ Electronics

Quick facts

Overview of some quick facts about Alcion

Die casting processes from 720 t to 1.300 t

Specialised in parts from 100 g to 5 kg

Separate fusion and process furnaces in each injection cell (higher flexibility)

Machining with robotized production cells

Trovalization / Sandblasting

Surface treatment (e.g. heat treatment)

Assembly (in-mould and separate assembly)

Materials and machinery

Overview of common materials and machinery

Common alloys

- EN AC 46000 (226)
- EN AC 47100 (231)
- EN AC 43100 (239)
- EN AC 44100 (230)

Die casting machinery

- Frech 720 t
- Petransa 750 t
- Petransa 1.000 t
- Idra 1.300 t

Other machinery

- Turning
- Milling
- Drilling
- Threading
- Transfer

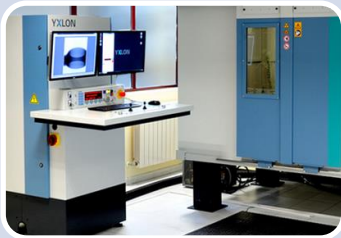
Materials and machinery

Pictures of Alcion's machinery



Laboratory and testing

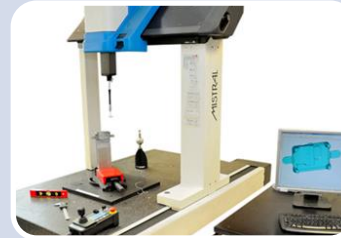
Alcion's laboratory and testing equipment



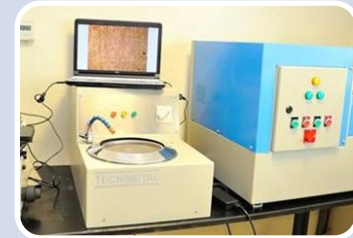
**X-ray device
YXLON**
(determination
of pores and
impurities)



Spectrometer
(determination
of the chemical
composition)



3D CMM
(measurement
of the part
dimensions)



**Metallographic
testing
equipment**
(Check of the
metall structure
and the part
hardness)

Certificates

Alcion holds the following certificates



IATF 16949

ISO 9001

Product examples

These are examples of Alcion's products



Core

- Weight: 230 g
- Material: AC 46000 (226)
- Application: Engine mount



Bearing support

- Weight: 830 g
- Material: AC 43100 (239)
- Application: Link between powertrain and car body

Product examples

These are examples of Alcion's products



Stopping housing

- Weight: 274 g
- Material: AC 46000 (226)
- Application: Engine mount



Bracket

- Weight: 915 g
- Material: AC 47100 (231)
- Application: Aggregate bearing

Product applications

Alcion's products have these applications



Core



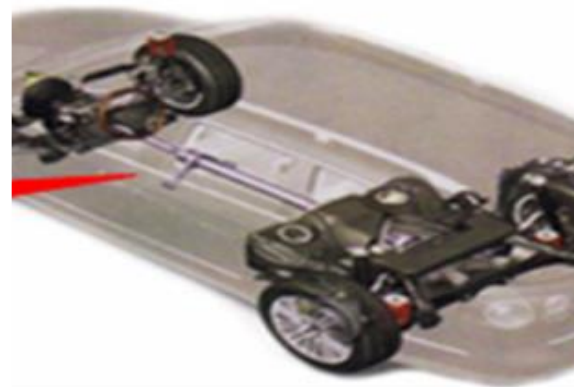
Engine mount

Product applications

Alcion's products have these applications



Bearing support



Bearing support
transmission axis

Product applications

Alcion's products have these applications



Stopping housing



Engine mount

Product applications

Alcion's products have these applications



Stopping housing



Aggregate bearing

Additional processes

Alcion provides the following additional processes

Internal

- Sandblasting
- Trovalisation
- Robotized deburring
- Assembly

External

- Compression test
- CT (Computer tomography)
- Coating
- Painting

Customers

These are Alcion's direct customers



Contact

Compauto's locations



Compauto GmbH

Germany (Headquarter)

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