



**socométa**  
Fonderie Aluminium et Bronze



# SOCOMETA, a subsidiary of La Fonte Ardennaise Group



FOUNDRY – MACHINING – SURFACE TREATMENT - ASSEMBLY

IRON CASTING FOUNDRY

INTERNATIONAL TRADE

MACHINING ASSEMBLY POWDER COATING

MACHINING ASSEMBLY TOOLING

PLASTIC PROCESSING TOOLING

IRON CASTING FOUNDRY

ALUMINIUM & BRONZE FOUNDRY MACHINING

# La Fonte Ardennaise Group



5

FOUNDRIES  
IRON CASTING  
*Capacity : 110 000 T/year*



1

FOUNDRY  
ALUMINIUM-  
BRONZE  
*Capacity : 1 000 T/year*



4

MACHINING  
PLANTS  
*140 CNC machines*



2

SURFACE TREATMENT  
PLANTS  
*Water based coating  
Cataphoresis - Powder coating*



4

ASSEMBLY  
PLANTS



1

PLASTIC  
PROCESSING  
PLANT

Key Figures  
2022

315  
MILLION EUROS

102 000  
TONS

1 500  
EMPLOYEES

10  
MOLDING LINES



FONDATEX

SED



4A España



# SOCOMETA



## Key Figures 2022



**11**  
M€  
Turnover



**85**  
Employees



**1 000**  
Tons / year



**15%**  
Export



# SOCOMETA activities



## ALUMINIUM FOUNDRY

### Alloys :

Al Si 12    Al Si 10 Mg  
Al Si 7 Mg    Al Si 7 Mg 0,6

### Gravity casting :

Manual  
Assisted  
Low Pressure



## BRONZE FOUNDRY

### Alloy :

CuSnx

### Gravity casting :

Manual

With or without **inserts**



## MACHINING

### Alloys :

Aluminium  
Bronze

### CNC machines :

Lathes  
Centers



## HEAT TREATMENT

Increase in **mechanical properties**



## ASSEMBLY

**Subassembly mounting**



FONDATEX

SED



UFA España



# SOCOMETA **others activities**



CORE MAKING

INTEGRATED  
TOOLING



SHOT BLASTING

MOLD & CORE  
SAND 3D PRINTING



SURFACE  
TREATMENT

# Our production means

## ALUMINIUM FOUNDRY

12 shell moulding machines by manual gravity  
2 shell moulding machines by assisted gravity  
1 Low pressure die casting

## BRONZE FOUNDRY

4 shell moulding machines

## MACHINING

7 CNC centers  
7 CNC lathes

## ASSEMBLY

2 assembly stations  
2 Helium Test stations

## PRODUCTION CAPACITY

Activity organized in self-contained  
**production units**

### Dimensions :

Minimum : 1cm\*1cm

Maximum : 1m\*1m

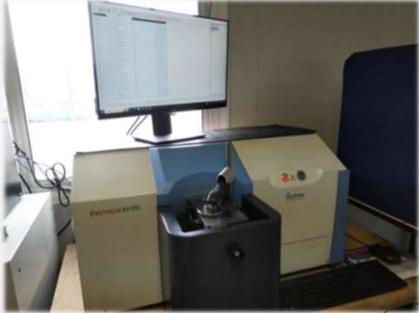
### Weight :

Minimum : 100 gr

Maximum : 200 kg

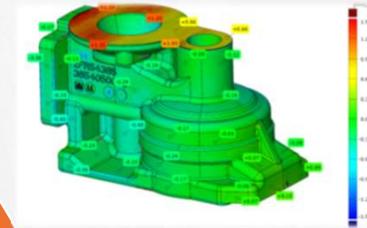


# Our control means



- Hardness
- Spectrometry

Material Control



Dimensional Control

- Optical machine
- Scanning
- DEA three-dimensional machine

- By Tomography



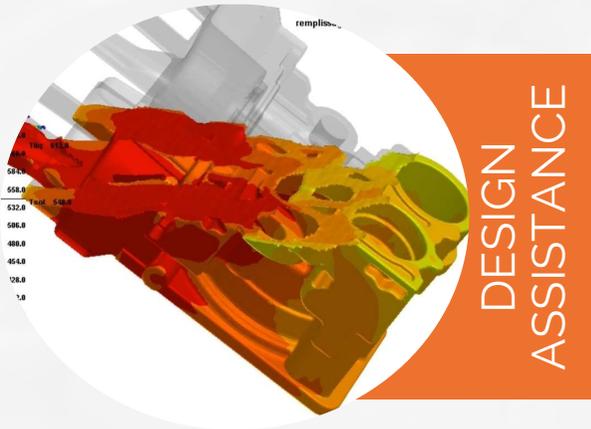
Material health control

Leaking control

- By Helium test



# The engineering dpt.



## Design assistance

### 3D casting simulation

From the 3D file, work on the design of parts , technical and economic optimizations



## SAND 3D PRINTING of molds and cores

### Reduced mold production costs and lead times

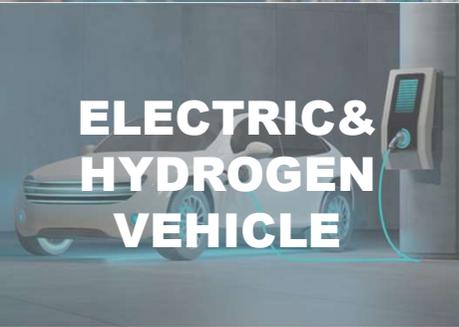
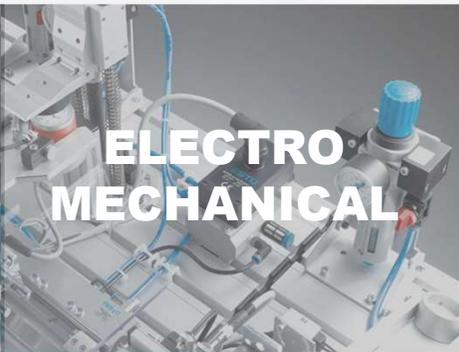
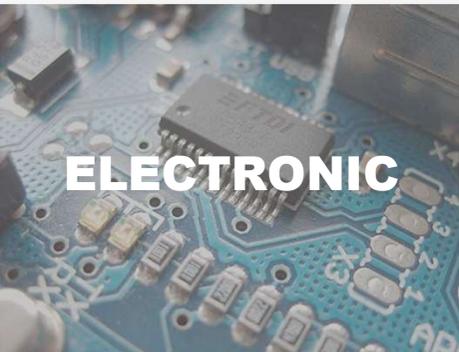
#### Applications :

- Prototypes
- Spare parts
- Small series

#### Printing capacity :

1800 X 1000 X 700 mm

# Commercial strategic segments



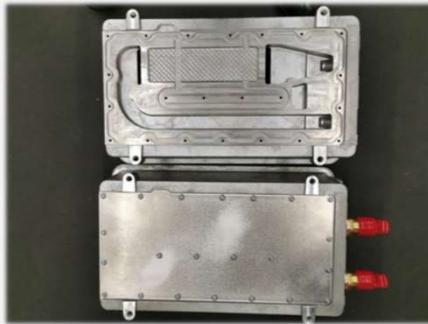
# Our products



Bronze parts with or without insert



Parts with stainless steel coil



Box with assembly



Pulley



Sealed tank



# Our products



Turbine



Crankcase



Cradle for food



Fan wheel



ATEX actuator



Braking body



Pump body