

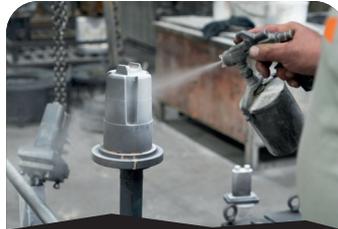


## OUR EXPERTISE



### Foundry

- Melting capacity: 300 kg and 500 kg furnaces
- Overall capacity: 600 kg/hour
- 10 independent casting ilot
- 9 manual casting stations and 1 robotic gravity casting ilots
- 1 low pressure casting unit
- 1 gravity casting station with dosing furnace support



### Material Treatment

- Alloy treatment systems
- Degassing
- Modification, deoxidation, refining
- Heat treatment unit
- Tempering unit



### Machining & Assembly

- 6 three axis machining centers + 1 additional axis
- 2 five axis machining centers
- 3 CNC lathes (2 and 3 axis)
- 1 slotting machine and 1 broaching machine
- 1 manual balancing machine
- Industrial assembly operations with leak-testing (helium and air)



### Co-design

- In-house engineering department
- Geometry optimization for foundry processes
- Rapid prototyping (3D sand printing)



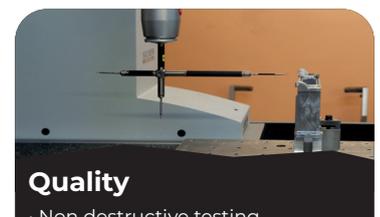
### Core Making

- Core size: 630 × 400 × 325
- Hot box process
- Hollow cores



### Logistics

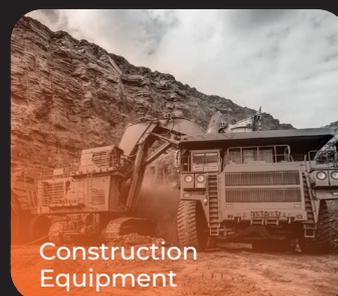
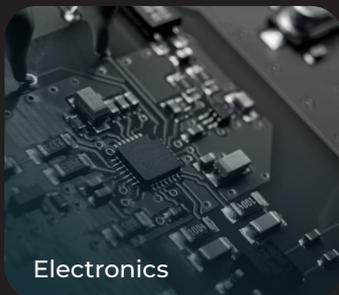
- EDI communication
- Real-time shipment tracking
- Consignment stock and advanced storage solutions



### Quality

- Non destructive testing
- Spectrometry analysis
- Alloy density control
- Full traceability
- Mechanical properties characterization

## INDUSTRIES SERVED



# CASTING PROCESSES ↔ NEEDS MATRIX

## Sand Casting



- Low tooling cost → ideal for prototypes and small batches
- Maximum flexibility → easy geometry adjustments
- Excellent design freedom (thick sections, multiple cores)
- Short lead times → suitable for urgent needs and development phases
- Compatible with low volumes and large size parts

## Manual Gravity Casting



- Great adaptability : inserts, geometry variations, complex parts
- Excellent option for small and medium industrial batches
- Moderate tooling cost
- Fast response for tooling adjustments and maintenance

## Robotic Gravity Casting



- High repeatability → consistent quality
- Reduced scrap thanks to process stability
- Automated system → stable cycles, minimized variation
- Ideal for medium and large series requiring tight tolerance
- Full process traceability (temperatures, cycle times)

## Gravity Casting + Dosing Furnace



- Precise and consistent dosing → reduced scrap / stable quality
- Controlled throughput
- Excellent cost quality balance → reliable parts and mass consistency
- Optimal for large sized and heavy parts

## Low Pressure Casting



- Superior metallurgical quality (reduced porosity)
- Structural parts with high mechanical requirements
- Excellent filling control → thin walls, high tightness
- Ideal for medium to large production runs where reliability is essential

Aluminum 100 g to 200 kg	Bronze 100g to 10kg	Dimensional range
Al Si 7 Mg	CuSnX	Molds from 10 cm <sup>3</sup> to 0.8 m <sup>3</sup>
Al Si 7 Mg 0.6		Maximum part size 950 × 600 × 600
Al Si 10 Mg		
Al Si 12		



## INDUSTRIAL BUYERS

### Reduce Your Costs and Lead Times with a Trusted Partner

Are you looking for a reliable supplier capable of delivering cast components with high added value? We support industrial buyers by offering a fully integrated solution—from foundry to delivery. Our mission: helping you control your budgets, meet your deadlines, and secure your supply chain.

## INDUSTRIAL PROJECT MANAGER

### Design, Optimize, and Industrialize Your Parts with an Expert Manufacturer

Developing a new technical part or improving an existing component? Our in house engineering department assists you from the earliest design phase to transform your ideas into production ready parts—robust, optimized, and fully industrializable. Our approach is built to address project managers' priorities: responsiveness, accuracy, innovation, and technical mastery.

## OUR ACHIEVEMENTS



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