M.T.S.

MECCANICA TONEL SERGIO



Company presentation

1

MTS 1985-2025

Four decades of know-how

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Our story



1985
MTS foundation



2001
Expansion of MTS Mechanics



2018
Inauguration of MTS carpentry



2024
Inauguration of MTS carpentry

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MTS today

115 employees

3 plants

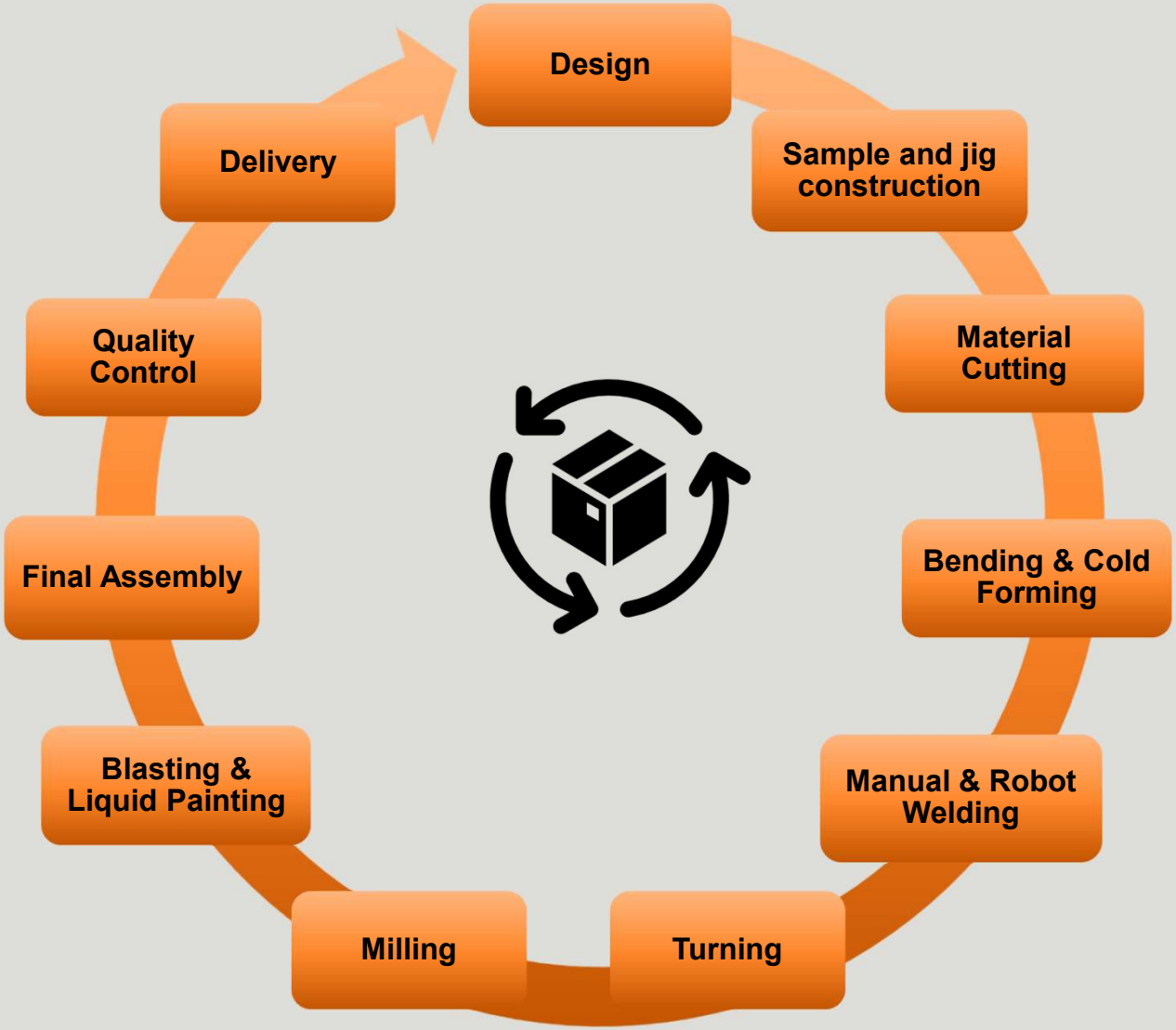
2 shift

2023: 20 Mio EUR
2024: 16 Mio EUR
2025: 16 Mio EUR



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Solutions



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Certifications

UNI EN ISO 9001:2015
First certification: 07-03-2014

UNI EN ISO 14001:2015
First certification: 16-06-2011

UNI EN ISO 3834-2:2021
First certification: 05-05-2016

EN 1090-1:2009+A1:2011
First certification: 29-11-2019

2

PLANTS
MTS 1

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Milling





The department is equipped with more than 30 different machines (CNC and manual) capable of processing components of various sizes and geometries. **Milling** is performed on **5-axis** milling machines with a rotary and fixed table.

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Milling



SACHMAN PX120 5-axis milling center, dimensions 10 m x 3.5 m x 1.5 m, 60 tools



FPT RONIN 4-axis milling centerdimensions: 10 m x 3 m x 1.5 m, 80 tools

Maximum dimensions handled in the department:

- 10 meters long
- 3 meters high
- 10 metric tons

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Milling



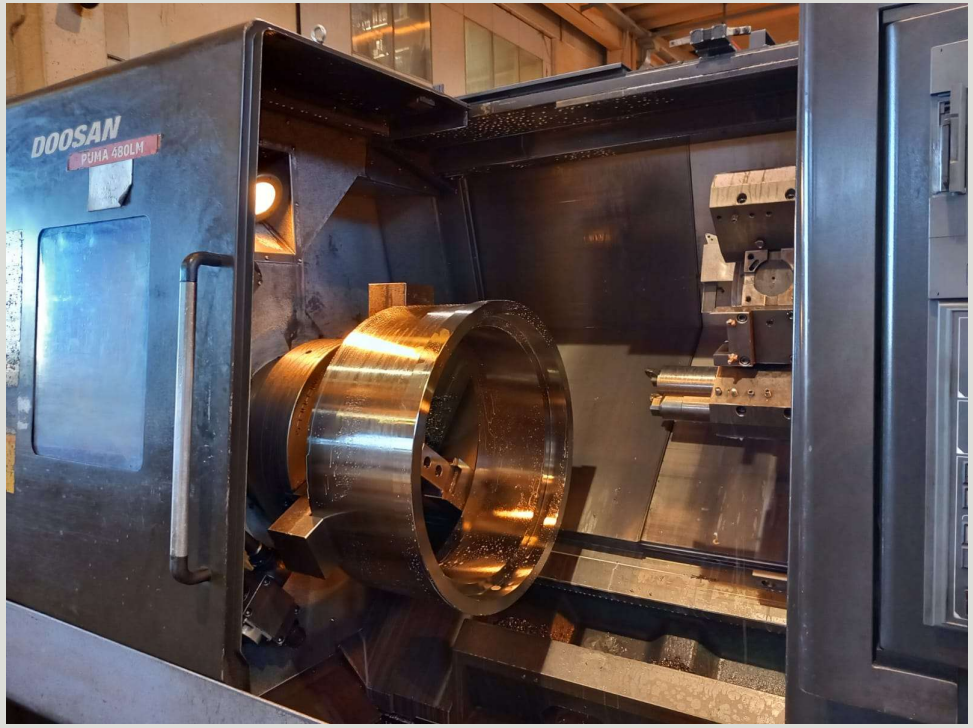




Horizontal machining centers with a stroke of up to 1,500 mm

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Turning





The **turning** department is equipped with 11 different twin-spindle lathes featuring anthropomorphic robots, gantry-type lathes, and fully automatic bar-feeding lathes, capable of producing finished parts that may also involve milling operations.

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Assembly



Industrial Automation Systems for the Automotive Industry



Crane base made of S700 and S1100plus after final assembly

The department provides final assembly upon customer request—a turnkey service.

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Assembly





Hydraulic Pile Drivers For driving piles, guardrails, solar farms, and fences.

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Assembly



Mountain Spider: Plumbing and Electrical System Installation

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Quality Control





Quality is ensured through a detailed and structured control process that leverages the latest technologies:

- **Control Stations DEA 1200x750x500h, COORD 2000x1100x750h**
- **The FARO Arm for 3D Inspection**
- **The PGS200 Profilometer**
- **The Twyn Viewer software for real-time monitoring right in the workshop**
- **YASKAWA Robot with a robotic welding control system that uses advanced vision systems and generative artificial intelligence**

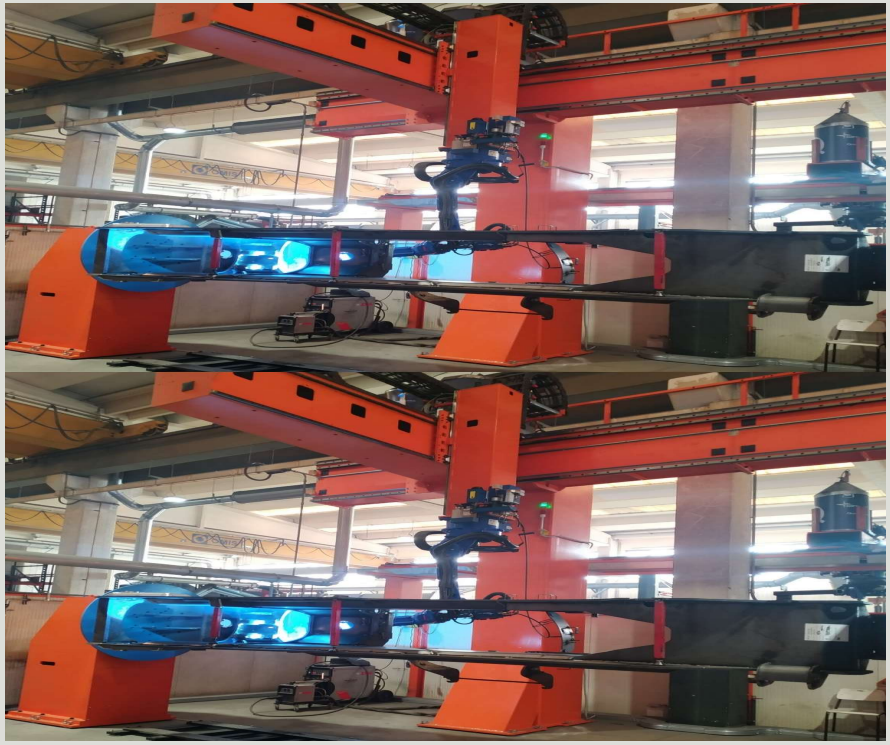


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PLANTS
MTS 2

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Robot Welding





The department is equipped with 7 robotic production lines, 4 of which are 14-axis 4.0 systems, capable of handling the following dimensions:

Max. length: 8 meters.
Max. width: 3 meters.
Max. weight: up to 10 metric tons.

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Robot Welding





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Manual Welding



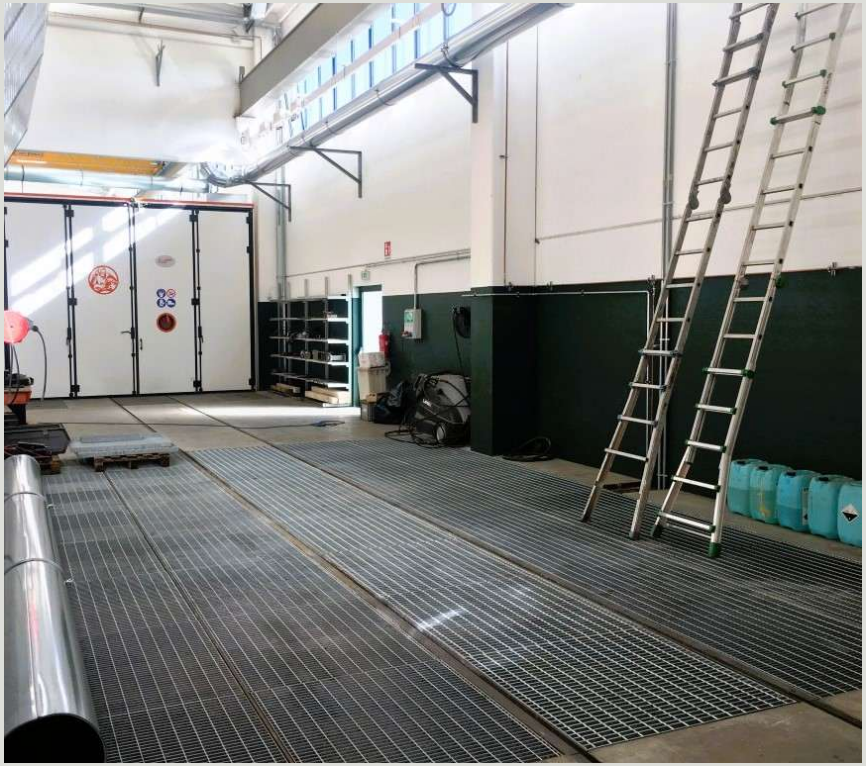




The 30 manual welding stations are used for both prototyping and mass-produced products that require special welding techniques.

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Sandblasting and Liquid Painting





This department handles washing and sandblasting in a 10-meter by 6-meter area.

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Sandblasting and Liquid Painting







The liquid paint is applied in 2 spray booths with the following dimensions:

12 mt x 6 mt
6 mt x 4 mt

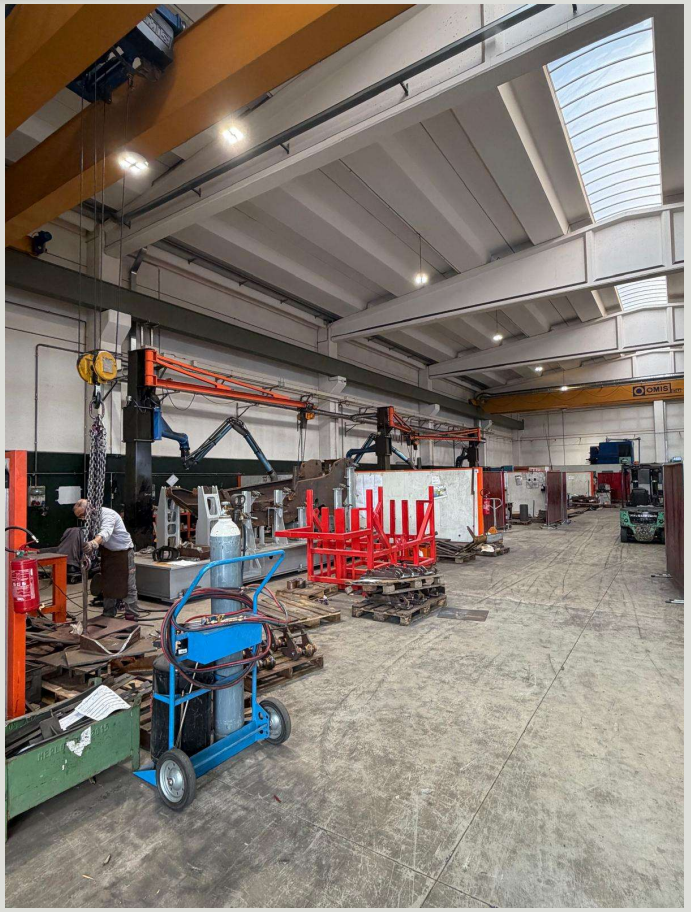
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PLANTS
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MTS 3 Construction





A 3,000 m² expansion to increase production capacity and diversify the product portfolio. An in-house cutting and bending center has been established to support our production, equipped with state-of-the-art machines featuring built-in beveling heads and drilling stations, in order to reduce processing times and enhance competitiveness and response times.

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Material Cutting





The department is equipped with two **laser cutting systems**, as well as **plasma, oxy-fuel, and flame** cutting systems, capable of processing materials of various grades and **thicknesses ranging from 3 mm to 300 mm**, with dimensions of 12,000 x 2,500. A wide variety of materials are processed:

- Wear-resistant → Hardox 400, 500, 600, etc.
- High-strength → S500, 700, 890, 960, 1100, up to S1100plus
- Base materials → S275, S355J2, etc.

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Material Cutting



Coming soon: the new 20,000 W fiber laser cutting system with dual pallets (2500x6000 mm), automatic pallet changer, and a bevel cutting head capable of cutting materials up to 80 mm thick.

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Sandblasting After Cutting Material



Some parts must be sandblasted after cutting and before welding. The basket-type sandblaster ensures thorough surface preparation.

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Shearing and Bending



The department is equipped with state-of-the-art **CNC machines** capable of performing any type of cold bending and shearing.

The new Gilardi bending machine has rounded out our machine fleet with its cutting-edge features:

- **Upper tool with vertical automatic clamping**
- **Lower tool with automatic clamping6 to 14 axes, depending on requirements**
- **Rear stop with custom dimensions**
- **Front guide with shelf**
- **NC-controlled compensation**
- **Greater movement and light**

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PRODUCTS & INDUSTRIES

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Our Added Value - Maximum Customization



Crane base after assembly of the extension rods and hydraulic cylinders

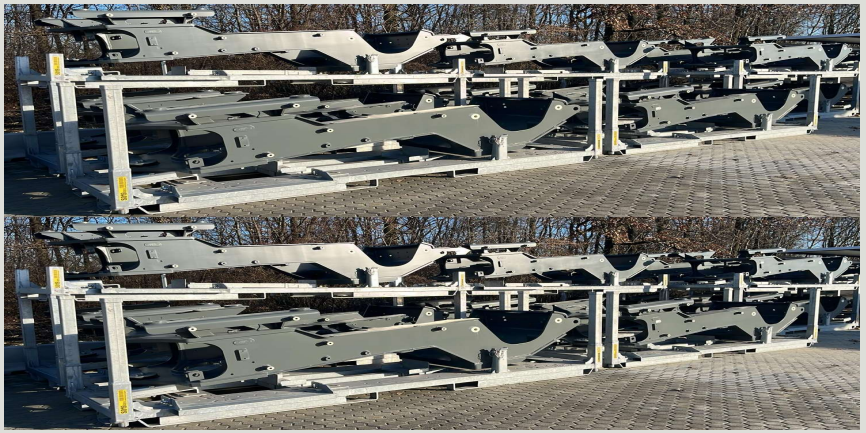
Large size

High precision

Complete Supply

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Products for the Earthmoving Industry



Rear frames for wheel loaders



1,500-kg arms made of S355J2 steel for a crawler excavator



Dipperstick Telescopic Arms for Excavators



673-kg side frame for crawler excavators

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Products for the Earthmoving Industry



Undercarriages for road milling machines



Undercarriages for skid loaders



Swing Undercarriages for Drilling



Transmission housing for a grader

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Products for the Earthmoving Industry



Component Kit for a Tracked Excavator



Chassis for a wheeled excavator



Frame for a self-propelled lawn mower

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Products for the Earthmoving Industry



Frames for Telescopic Handlers





Booms for Telescopic Handlers

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Products for the Material Handling Industry





Crane bases made of high-strength material
from S700 to S1100 Plus



Frame for a telescopic handler

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Products for the Material Handling Industry



Chassis for Heavy-Duty Mobile Cranes



Turntable for mobile cranes



Frame for drilling machines



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Products for the Material Handling Industry



Track-mounted pile drivers for various applications



Multifunctional self-propelled machinery for use in extreme terrains.
A patented product by MTS

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Products for the Industrial Automation Sector







Gearboxes of different dimensions

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Special Products



Kobelco undercarriage, special demolition application, 9.5 meters long and weighing 8 metric tons

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Equipment Design and Manufacturing



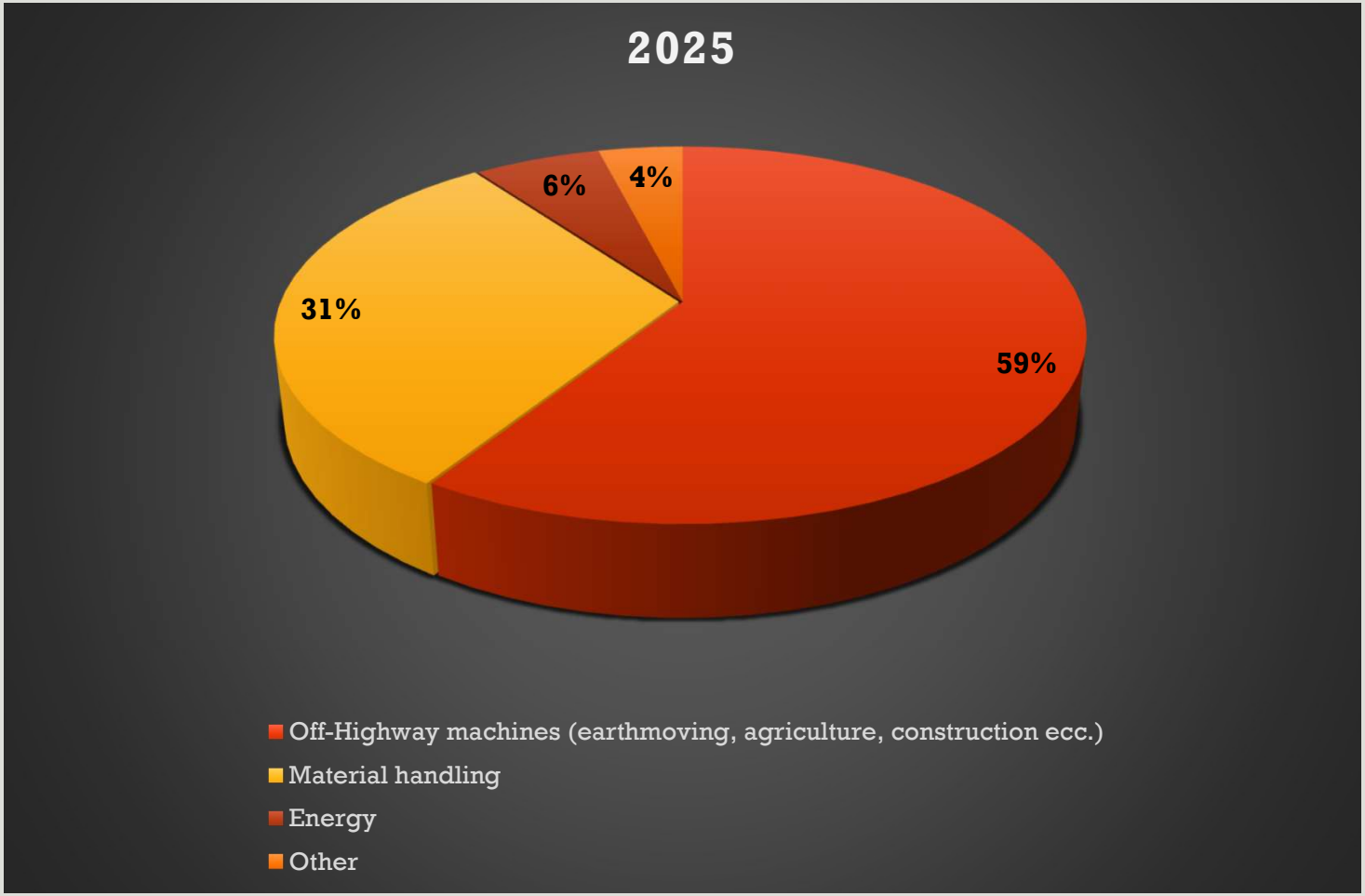






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Industrial Sectors



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THANK YOU

Meccanica Tonel Sergio Srl
Via Trieste 154, 209-211
10080 Bosconero (TO)

Tel: +39 11 988 9839
E-Mail: info@meccanicatonelsergio.it
www.meccanicatonelsergio.it