

**MTS S.R.L.**

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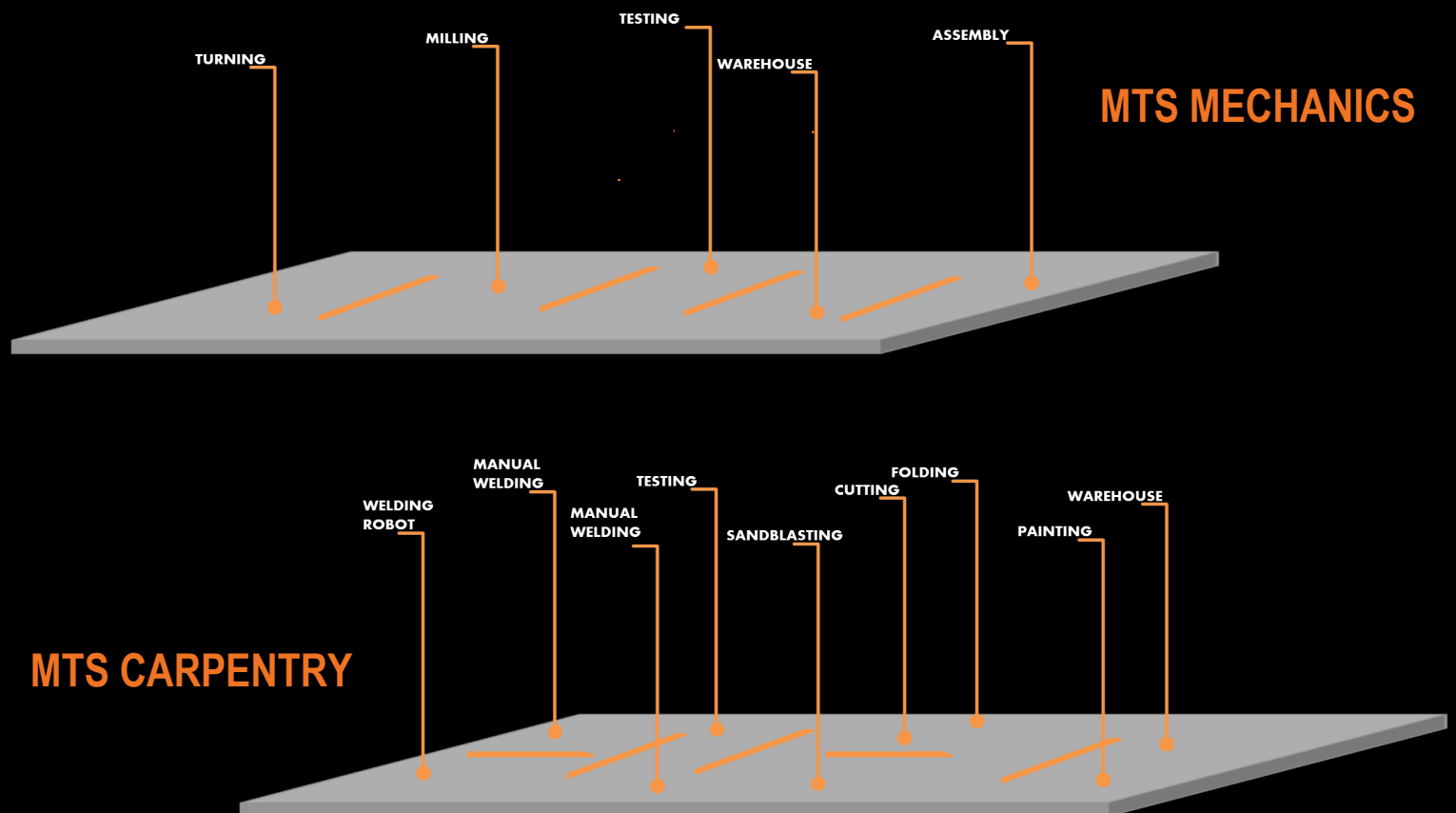
MECCANICA TONEL SERGIO



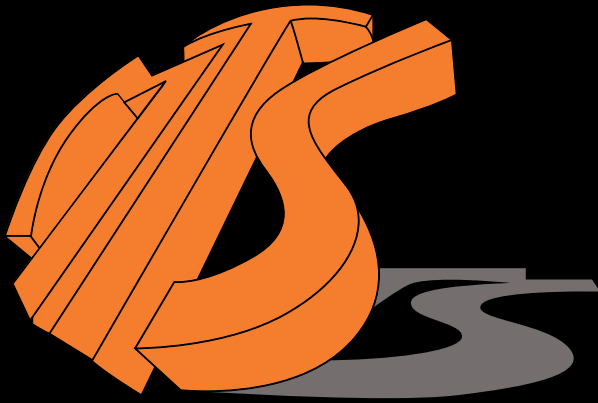
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## ESTABLISHMENTS LAYOUT







# Company Profile

Our company boasts of more than 40 years of experience in this sector. We are specialised in the making of subgroups of medium-heavy carpentry and in high precision processing of mechanical components. This is all achieved through the collaboration of an advanced team of technicians and a state-of-the-art machine fleet.

At present we work in various sectors; automotive, solar energy, industrial spare parts, components for agricultural machines, construction equipment and off highway.

Our 70 skilled workers manage all the processing at production level requested by our customers with flexibility, speed and competitiveness. In addition, our technical management oversees purchasing, logistics and quality service as well as testing.

Our company spans a surface of about 8500 square metres, in which our carpentry, semi-automatic welding, sandblasting and painting floors operate, using high technology systems with which we have been acknowledged the most important product and process certifications.

# Since 1973...

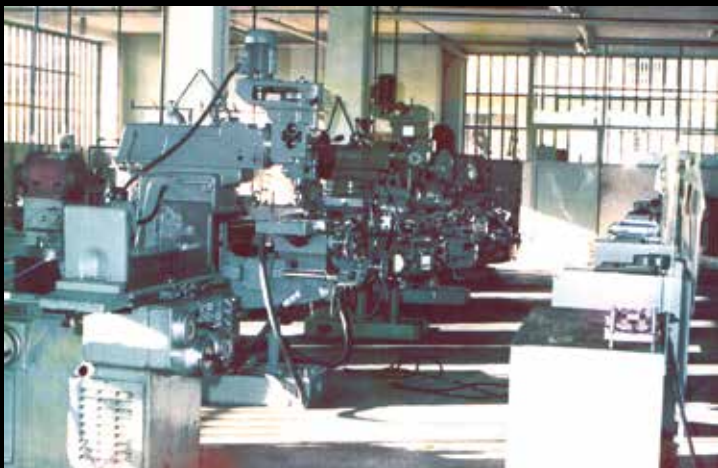
OMT (Officine Meccaniche Tonel) was founded in 1973 by Mr Sergio Tonel on a surface area of about 500 square metres equipped with lathes and mills.



It wasn't before 1985 that OMT merged into what is now MTS, introducing a new business plan, producing high precision mechanical components.



As time went by, our company decided to extend its machine fleet and to transfer the processing to a bigger surface, thanks to experience and hard work. In 2001 we obtained the environmental certification ISO 9001/2000.



# ...in steady growth



Today, after the 2005 enlargement, our company occupies a surface area of 5500 square metres, where a staff of 70 operators checks and organises all the processing of components, from purchase to delivery.



MTS works with serial mechanical processing besides turning, milling and heavy carpentry (10000 mm length), all within the present plant. Over the next few years, an enlargement of our premises of up to 12000 square metres is scheduled, in order to offer our customers the best of services and to better satisfy their requests.



At the moment, only processing components of the length 12000 mm are performed by our automatic machines. All other are carried out by our qualified personnel, all in possession of DIN 38/34 and DIN 18800 certifications.



# Machine fleet

MACHINE	SUPPLIER	TECHNICAL NOTES	
		Worktop	Machine type
OXY-FUEL CUTTING	MESSER	2000 X 6000	CORTINA DS3100
SHOTBLASTING MACHINE	BANFI CARLO	600 X 600	P11
AUTOMATIC SANDBLASTER	I.T.F.	200 X 200	A20/2
N° 2 BURATTI	M.F.	200 X 200 - 500 X 200	RG 150 - MF
MECHANICAL PRESS	CERINI CARLO	650 X 1000	PRESSA 1500IR
CUTTING MACHINE	AMADA SCHIAVI	3000 X SP 6MM	GH630/A
MECHANICALPRESS PT150/100	COLGAR	2000 X 600	PT 150/100
HYDRAULIC PRESS PC300	I.M.S.	2000 X 800	T300
BENDINGPRESS PPI 300/100	G.A.D.E.	3100 X 110 TON	PPI 30/110
PUNCHER IMS PHR110	I.M.S.	Ø 32 X 26 - Ø 100 X 8	PHR 110
SAWING MACHINE AT4 CNC	RAIM	Ø 250	RAIM 360
SAWING MACHINE	RAIM	Ø 200	RAIM 22AT4
SAWING MACHINE	AMADA SCHIAVI	Ø 500	HA500
WELDING ROBOT	CLOOS	1500 X 1500	ROMAT 310
N° 20 WELDING MACHINE	CLOOS - SELCO - INE	450 A - 350 A - 259 A - 200 A	GLC - GENESIS - MEGA MIG
BENDING MACHINE	COLMAL	3000 X 6MM	350 TON
LASER CUTTING	BYSTRONIC	6500 X 2500	BYSTAR 4025
WELDING ROBOT	CLOOS	2 X 2000 X Ø 1800	ROMAT 310
SHOTBLASTING MACHINE	SIRSI	5000 X 5000 X H4000	IMPIANTO A GRAPPOLO
SANDBLASTER CABIN		9500 X 6250	
WELDING ROBOT	MOTOMAN	6000 X Ø 2000 X 15 TON X 2	
PAINTING CABIN		6400 X 6250	
OVEN CABIN		4000 X 6150	
PUMA 12 L	DAEWOO	Ø 550 X 1000	TORNIO CNC
BIGLIA B 700	BIGLIA	Ø 350 X 1000	TORNIO CNC
BIGLIA B 1000/8	BIGLIA	Ø 450 X 1000	TORNIO CNC
MORI SEIKI AL 2	MORI SEIKI	Ø 450 X 1000	TORNIO CNC





MACHIN	SUPPLIER	TECHNICAL NOTES	
		Field of employment	Machine type
MORI SEIKI Z L200	MORI SEIKI	DOPPIO MADRINO DOPPIO MOTORIZZATI	LATHE CNC 4 ASSI
SIGMA MISSION 3P	SIGMA	PALLET 1000 X 500	MACHINE 2 PALLET
SUPERMAX V 65A	SUPERMAX	PALLET 750 X 450	MACHINE
SUPERMAX V 85APC	SUPERMAX	PALLET 800 X 450	MACHINE 2 PALLET
RAMBAUDI 500 CNC	RAMBAUDI	PALLET 1500 X 600	MILLING MACHINE CNC
LATHE PUMA 240-2S	DOOSAN INFRACORE	BINIANDRINO	LATHE CNC (ROBOT)
RAMBAUDI M53	RAMBAUDI	800X200	HORIZONTAL MILLING MACHINE
RAMBAUDI N2	RAMBAUDI	800X200	VERTICAL MILLING MACHINE
RAMBAUDI M3 TP	RAMBAUDI	930X300	HEAVY – TOP VERTICAL MILLING MACHINE
RAMBAUDI M3	RAMBAUDI	930X300	VERTICAL MILLING MACHINE
RAMBAUDI KV0	RAMBAUDI	PALLET 1500 X 500	HORIZONTAL/VERTICAL MILLING MACHINE
S. ROCCO 100JD	S. ROCCO	CORSE 1500 X 1200	REAMING MACHINE CNC
ADJUSTMENT CRISSETTI	GRISSETTI	600X100	UNIVERSAL ADJUSTMENT
LATHE P. URSUS 300	C.M.T.	Ø 100	CENTRE LATHE
LATHE P. BREDA 180	BREDA	Ø 60	CENTRE LATHE
LATHE P. URSUS 250	C.M.T.	Ø 70	CENTRE LATHE
RADIAL BREDA	BREDA	1500	RADIAL DRILL
RADIAL ITAMA	ITAMA	1000	RADIAL DRILL
LATHE A PORTALE	MURATEK	WITH FLANGE	LATHE SPINALE GANTRY
MILLING MACHINE ENSHU JE60	ENSHU	2 PALLET 600 X 600	HORIZONTAL MILLING MACHINE
MILLING MACHINE TRT 314 HS	SACHMAN	3500 X 3500 15 TON	MILLING MACHINE CNC
MILLING MACHINE MAZAK H-	MAZAK	1000 X 1000 X 1000	MILLING MACHINE CNC
LATHE PUMA LM480	DOOSAN	Ø 870	LATHE
DOOSAN MACHINE HC-400	DOOSAN	2 PALLET 600 X 600	-
MILLING MACHINE FTP	FPT	10000 x 3000 x 1500	-
MEASURING MACHINE	DEA	1500 x 1000	MEASURING MACHINE CN
FARO MACHINE	FARO	Raggio 3000	MEASURING MACHINE 3D-CN
MEASURING MACHINE	CORD	2000 x 1000	MEASURING MACHINE MAN
DOOSAN CENTER	DOOSAN		HORIZONTAL
LATHE PUMA 240	DOOSAN		MOTORIZED TOOLS
LATHE PUMA GT 3100M	DOOSAN		MOTORIZED TOOLS





# Hot forming

Our geographical location allows us to take advantage of several specialized companies in order to offer our customers products in design starting from molded and forged steel, cast iron, cast steel, aluminum, etc ...





# Cutting

The cutting is achieved using thermal systems, such as oxy-acetylene and high definition plasma and laser, by means of automatic saws and shears.

In this way we are able to offer a vast range of solutions for the processing of semi-finished or finished products, guaranteeing an optimal time frame thanks to the ability of processing whole beams, boxed or solid, of a thickness of 500 mm and a length of 12000 mm.

## **Oxy-acetylene cut:**

Our systems are able to cut at a thickness of 400 mm, which enables us to be more market competitive.

## **Laser:**

Our laser technology is employed to cut up to 25 mm. Laser cutting is extremely precise and allows for a margin of just +/- 0,2 mm.

The complete automation systems ensure higher productivity and a reduction of costs for the handling of semi-finished products.

## **Bars cutting:**

On the cutting floor we also have automatic saws and shears for cutting up to 12 mm.





# Bending and cold blanking

On this floor we operate every part of the processing, from the design to the realisation of the components.

About the cold blanking, we start from the design to the construction of the mold until the realization of the molded

As far as bending is concerned, we are able to handle all kinds of outlines thanks to our high-tech machinery.

At the floor we can bend components up to 4 metres thick, but thanks to our external suppliers we are able to go as far as 10 metres.





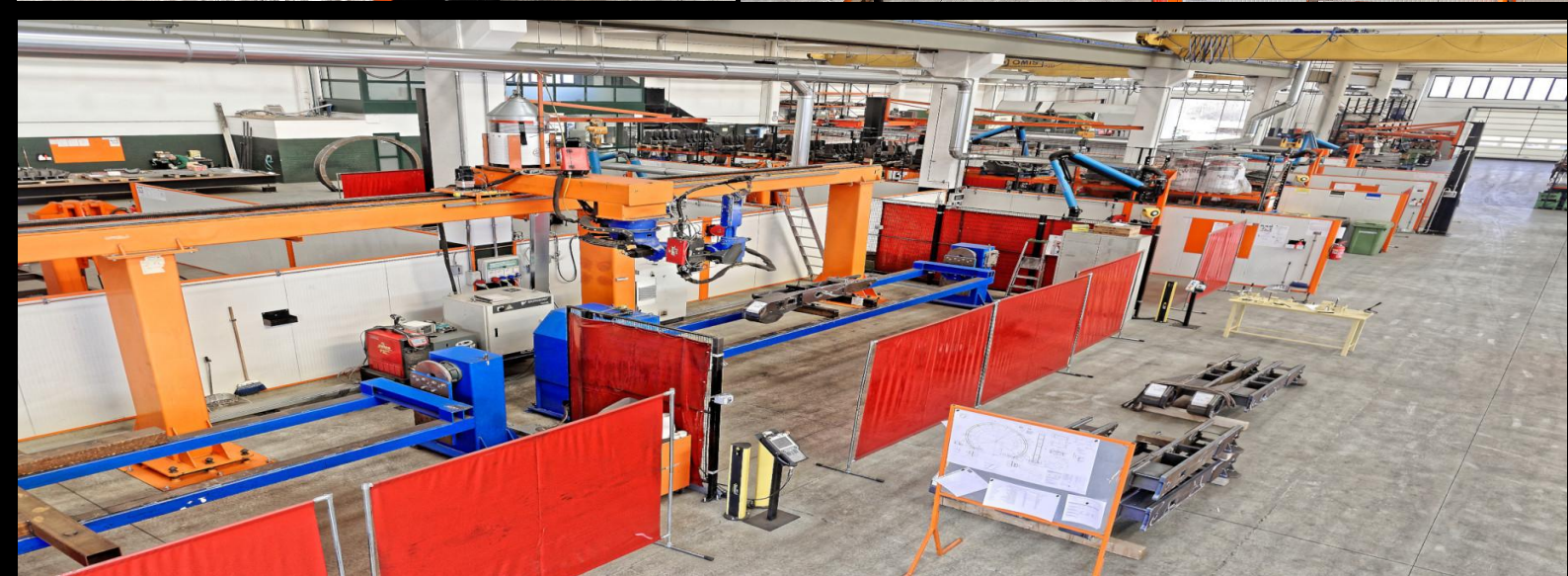


# Prototypes, assembly, and equipment construction

MTS is a flexible and dynamic company in terms of prototypes. We are able to produce, in a relatively short time, any given prototype requested by a customer. The assembly parts will be designed and built on this prototype, and subsequently produced.

An operating handbook will be drafted in order to processing and improving the production time frame.





# Welding

On the welding floor we have traditional MIG-MAG machinery operating up to 500A, as well as automatic machinery which use robots on turntables and rails, guaranteeing a wide range of welding, up to a length of 12000 mm.

This task is performed by qualified personnel (EN ISO 1090-1).

## Welding machines fleet:

1 CLOOS robot Romat 310 with twin turntable (1500x1500)

1 CLOOS robot Romat 310 with rotating double fork positioner (2000x1000)

1 Gantry with MOTOMAN robot on rails up to 16000 mm.





# Turning

The turning floor is composed of a vast range of machinery, able to face up to any eventuality: lathes spindles with robots, Gantry lathe spindles, fully automatic lathe spindles able to produce finished components using milling processing. We can turn up to a diameter of 1000 mm and a length of 2000 mm.

All processing is carried out by qualified personnel from prototype construction to mass production.





# Milling

We proud ourselves of this particular floor, which is able to operate all types of processing, from a length of 10000 mm down to a mere 5/6 mm, making production and processing a lot quicker.

The processing is carried out on horizontal or vertical multi pallet production areas and on stationary or turntable milling machinery.







# Sandblasting and Painting

M.T.S. it is equipped with a sanding department and subsequent coating in order to reduce the chain of the production cycle of its products thus managing to reduce production costs and secure a variety of customers among the most important of the sector.

Has a sandblasting Diving Bell with 4000x6000x6000h cabin, which allows the preparation of areas for large products.

The liquid painting plant uses spray technology, and the cabin is suitably sized (4000x6000x6000h) with relative cab oven for baking the paint thus improving the final quality.





# Parts assembly

The part assembly floor was introduced 15 years ago and is under constant development in order to continue to be technologically innovative.

We can assembly all types of components from brake boosters, ABS, engine valves (aluminium or non), large components for industrial automation, assembly lines, automated warehouses, pallet machinery etc.

Our qualified personnel and our high tech equipment can fully guarantee an excellent outcome.



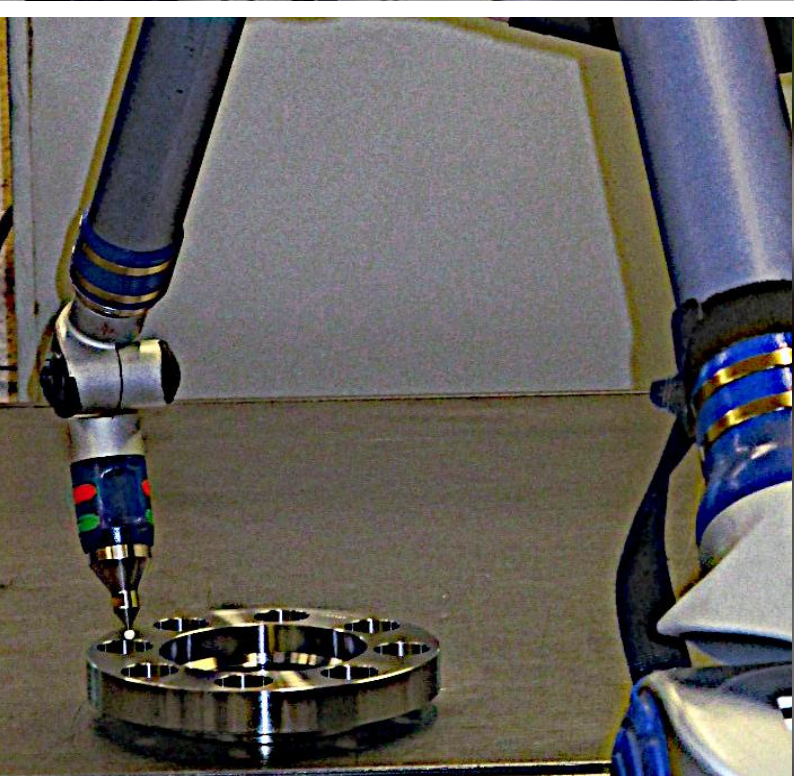
# Heat and surface treatments

The company is able to handle heat treatments such as: cleaning, normalizing, annealing, tempering, cementation, nitriding; and surface treatments such as hot-dip galvanizing and electroplating, polishing, nickel and chrome plating. Thanks to the great versatility you can make any necessary treatment.



# Transport service

The company has several own means with which it can make deliveries to its customers. The versatility of the means available to the MTS allows the company itself to preserve the idea of reliability, which is an integral part of the entire company policy.





# Quality control

Our quality control service makes use of some of the most modern testing equipment available, ensuring a dimensional check of complex components and maximum safety.

A DEA control station (1200x750x500h), a FARO measuring arm and a COORD control station (2000x1100x750h) guarantee maximum flexibility and precision in the dimensional checks of components and tooling, enabling us to work on mathematical models as well.

At present we have obtained the following qualifications:

UNI EN ISO 9001  
UNI EN ISO 14001  
EN1090-1/-2  
UNI EN ISO 3834-2  
Certificate\_IMP<sup>3</sup>rove Assisted Assessment  
LICENSED WELDER

# Our Companies



MADE IN ITALY

*MTS mechanics - Via Trieste 154 10080 Bosconero*  
*MTS carpentry - Via Trieste 209-211 10080 Bosconero*

## How to reach us



Take motorway A4, exit at Volpiano, continue in the direction of San Benigno, drive through the town, continue on SP87 in the direction of Bosconero until you reach Via Trieste.

**MTS S.r.l.**

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