

OUTSOURCING AND SPECIAL TOOLS



PINTO BRASIL

Outsourcing 4

Special tools and machines 6



Our more than 25 years of experience in the market allow us to have at our disposal a team of Engineering Technicians to study and develop various types of industrial equipment and solutions. We combine the vast knowledge and sense of excellence to a machine park of high performance, precision and quality, thus having, at the disposal of our customers, a diverse set of processes.

Tailored Solutions

In the Outsourcing activities we develop customized projects in close partnership with our clients, respecting their specifications, as well as all their specifics and needs. We combine state-of-the-art technologies with a specialized team, which allows us to offer efficient, effective and quality solutions.

Our Services

We provide services directly to our clients and collaborate in the improvement and development of existing hurdles.



Step by step

Processes examples

**CUSTOMIZED SOLUTIONS.
COST REDUCTION.**



1 Design and Development

Design and conception follow the engineering standards ensuring specific customer requirements including prior validation of product prototyping.



2 Laser

With the most advanced technology we guarantee levels of efficiency and accuracy assuring a precise cutting both on sheet metal and tube operations.



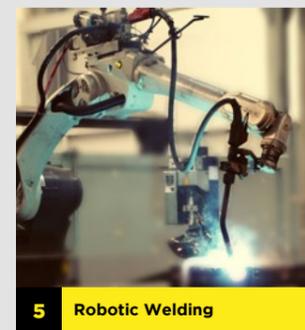
3 Bending

Our latest bending combines high capacity, flexibility and high precision.



4 CNC Machining

We provide a wide range of the best machining technologies available to produce parts requiring extreme precision and quality, with the most well-engineered and cost-effective solutions.



5 Robotic Welding

Because our assemblies have a modular design, our new 6-axis industrial robot can be flexibly adjusted according to the best processes requirements.



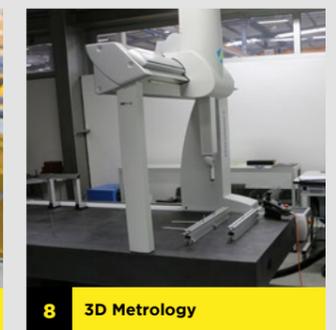
6 Powder Painting

Our lacquering process guarantees a service of quality and precision, always adapted to each client and each product.



7 Metrology Services

We have at our customer's disposal measuring equipment, checking and dimensional reporting. Our laser parts scanning can be used for 3D drawings, allowing flexibility and fast response.



8 3D Metrology

3D metrology allows a dimensional control with great precision, and having automatic reports.

Pinto Brasil has an Engineering and R & D Technicians team able to study a lot of Equipments and industrial solutions. We develop customized products in close partnership with our customers, according to their specifications and needs. We attach modern design technologies to a motivated and specialized team, which allows us to offer efficient effective and quality solutions contributing to the global satisfaction of our customers.

Examples:



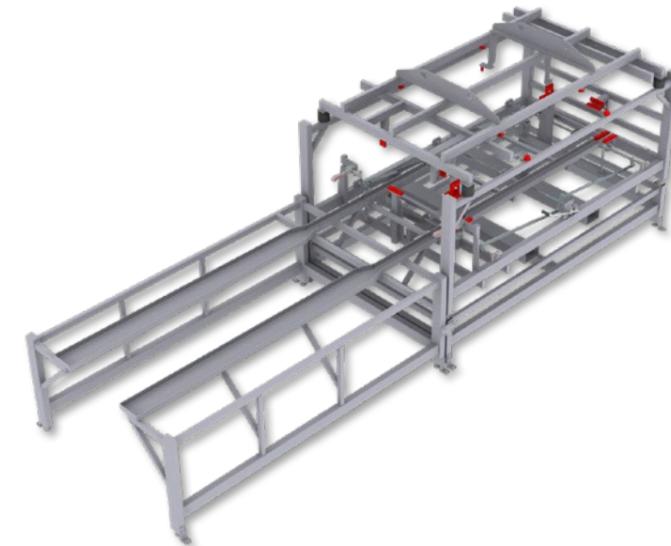
ROBOT WELDING TOOL

Precision tool for positioning and fixing components for robotic welding. In addition to being adaptable to various references through quick setup, assuring the SMED philosophy, this is a gifted system crank to rotate the equipment and thus ensuring its correct adjustment and positioning.



SPECIAL DESIGN MACHINE

The pneumatic expander is an auxiliary device to the productive system, whose function is to expand rubber components for the operational execution inside. We are able to design the equipment under customers requirements.



DIMENSIONAL CONTROL CALIBRATION

Mechanical gauge for dimensional control of several points (dimensions) on 3 axles in cars for chassis transport. This machine performs the verification through a vertical movement in opposition to the car to control and support the gauges. The control is executed according to the "pass / fail" philosophy with an accuracy of 0.5mm. The positioning of the car is carried out by means of levers driven manual, being the support of the calibres moved through electric differential.

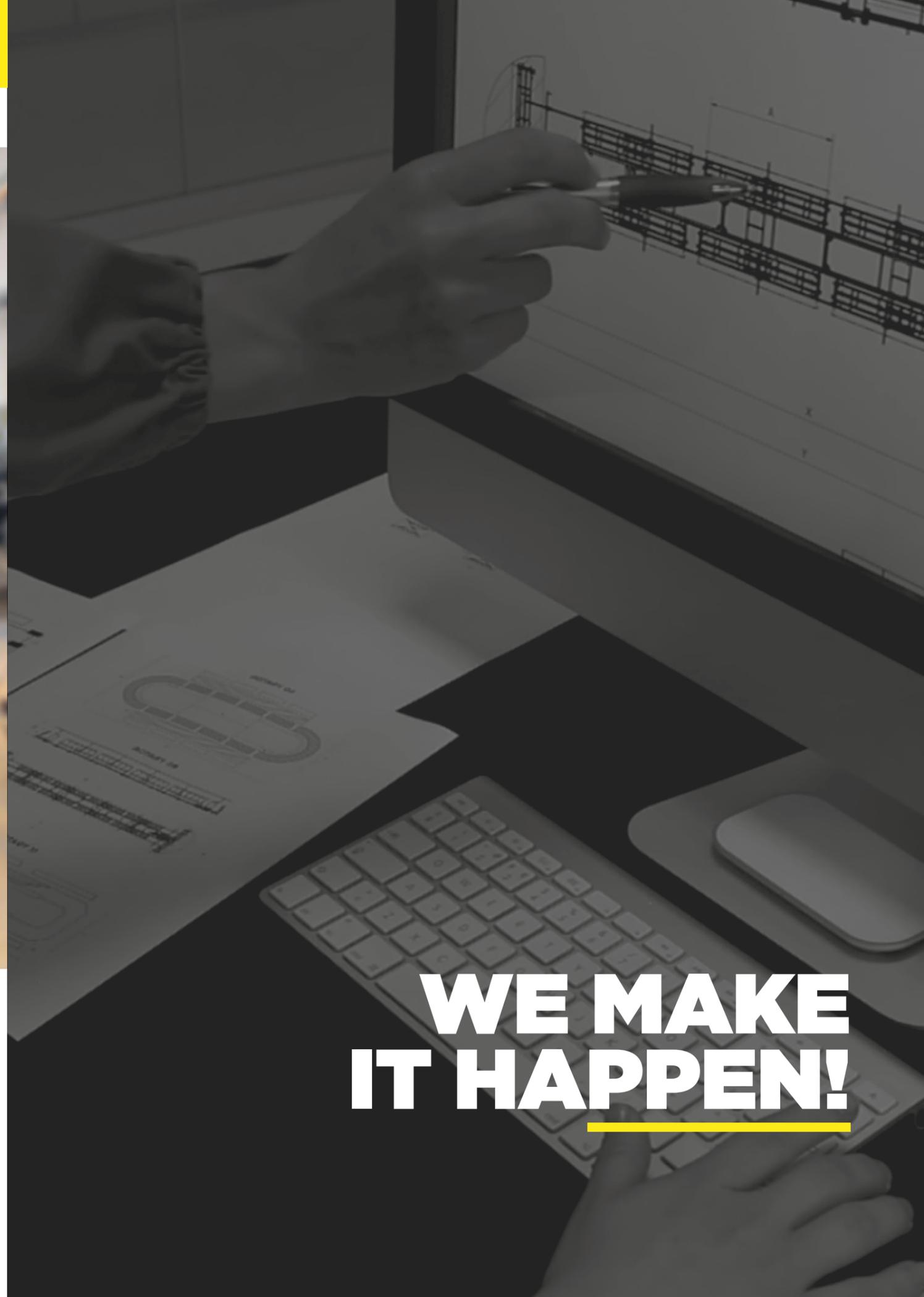


BUMPER PAINTING LINE

JIGS

We have developed the most diverse painting, with application in robotic lines, manual or cabins for individual parts. We execute the means by design or through the parts supplied, ensuring their fixation and positioning over the entire painting process. We do the maintenance of existing equipment and new implementation.

We guarantee the excellence of our prototyping with a specialized engineering team.



**WE MAKE
IT HAPPEN!**

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