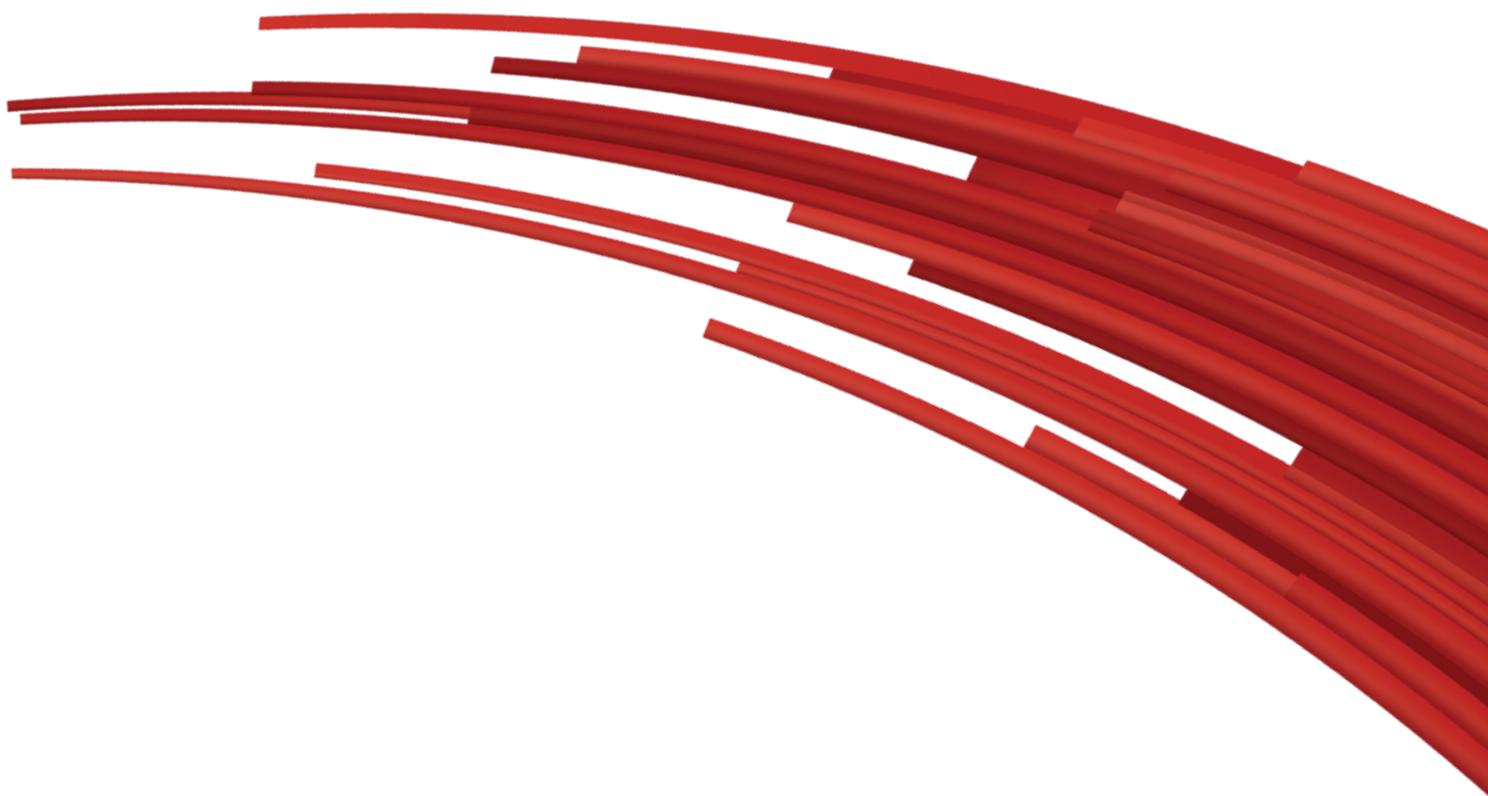


Connecting dots.
Providing solutions.



Expertise at your service



Innovative solutions and services tailored to your needs.

Our wide selection of products and the development of hardware and software solutions are our response to the increasingly demanding requirements of the industrial market. Pioneers in automation and motion control, since 1980, we have been offering customized mechatronic solutions based on the most innovative technologies used by the world's best manufacturers. Our broad product portfolio ensures a wide market presence. We prioritize high performance, expert technical support, efficient machine development, and failure analysis. This recipe has made us a reliable partner for our customers for 40 years. They find in Servotecnica the added value of unique solutions on the market.

We are certified in ISO 9001 (quality management system), TCERTIFICATION (risk-based due diligence), and AEO (authorized economic operator).

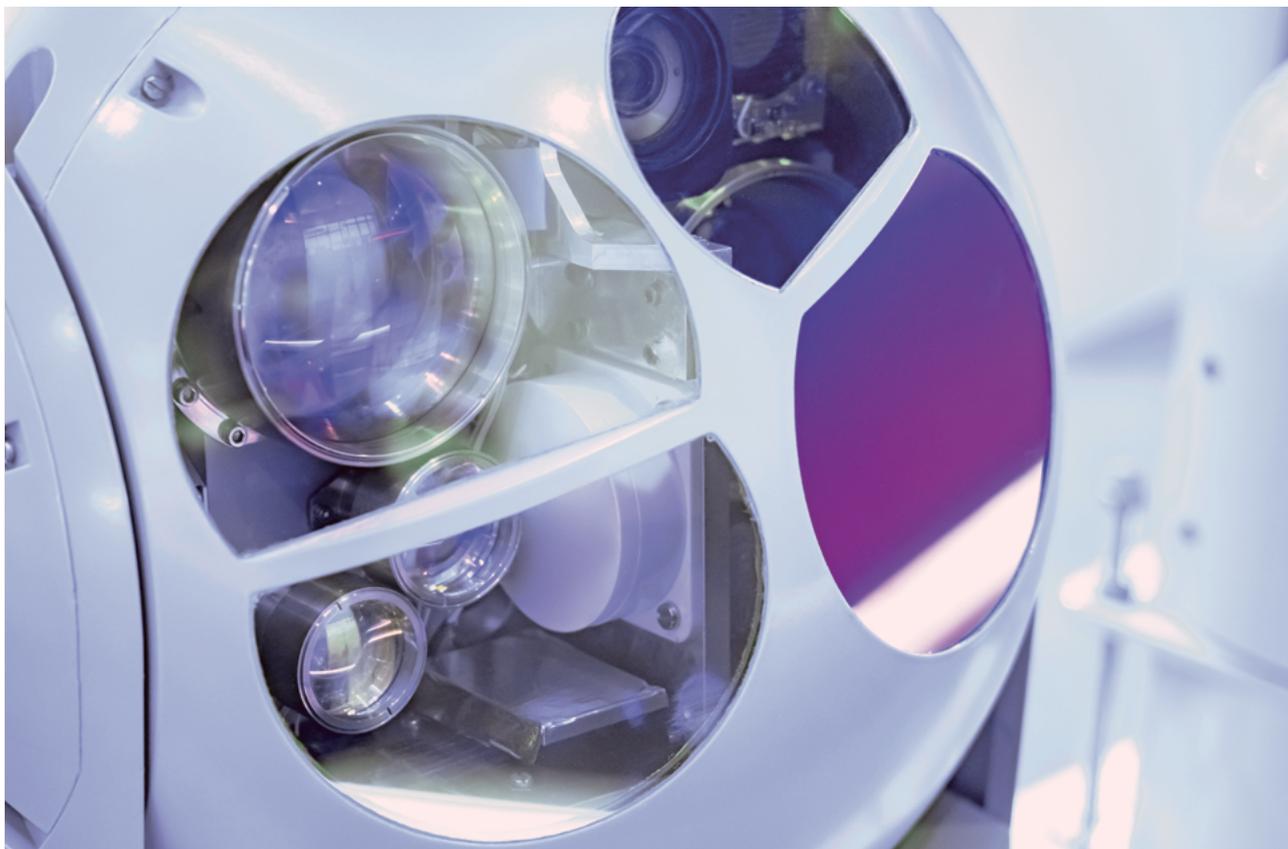
Brushless Frameless Motors



Frameless motors, increasingly used in applications requiring extreme precision, offer uncompromising reliability and motion quality. The absence of maintenance, high motion dynamics, small size, and low weight make them the ideal choice for all multi-axis gimbal systems. We can propose custom solutions according to the specifications; dimensions, materials, and fixing flanges are just some of the possible customizations to suit the most varied application requirements.



Limited Angle Torque Motors



LAT motors, or limited angle torque motors, are often used in high-dynamic tracking systems.

The near absence of ripple and the high torque density make it suitable for the most demanding applications. According to the application, we offer a wide range of standard and customizable LAT motors.



Special Servomotors & Rotary Actuators



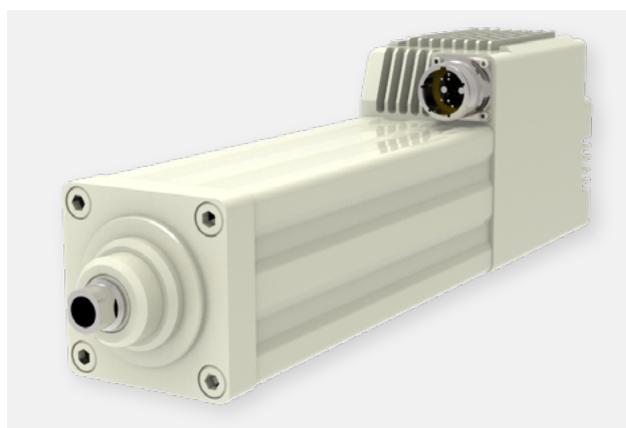
We can offer customized solutions for every type of application, from the simplest to the most challenging. Based on the customer's specifications, we design and manufacture special motors and integrated geared motors with hollow shafts, zero backlash, and dual feedback, combining the most innovative technologies on the market. Making the motor in-house makes us the ideal partner for any application. Special coatings, carried out by certified and qualified companies, complete our solution.



Linear Actuators



Our suppliers' experience in the defense market allows us to propose and customize state-of-the-art solutions for linear motion. Through the study of materials, the adoption of technologies, and ongoing communication between our technical department and the manufacturers, we provide reliable and unique solutions regarding compactness and performance.



Accelerometers & Gyroscopes



Our range of inertial sensors includes tactical-grade Coriolis-based gyroscopes and navigation-grade quartz accelerometers. We offer solutions for aerospace, land, marine and submarine, industrial, civil engineering, and transport applications. In particular, the option for serial output of gyroscopes simplifies control loops and leads to significant cost and setup time savings.



Digital Position Sensors



Our digital position sensors are increasingly used in new applications where robustness, lightweight, and accuracy are required. Their extended temperature range and certifications, according to MIL-810G, allow them to be used in any application, whether land, naval, or aerospace. The simplicity of the alignment process and the multiple communication protocols make them ideal position sensors in all circumstances.



Resolvers



Despite the introduction of digital position sensors, the resolver remains a type of feedback that provides maximum reliability and accuracy. We offer an extensive catalog of single- and multiple-speed resolvers that can meet the needs of any application. We can also design a custom solution if the required size is unavailable in our catalog.



Slip Rings



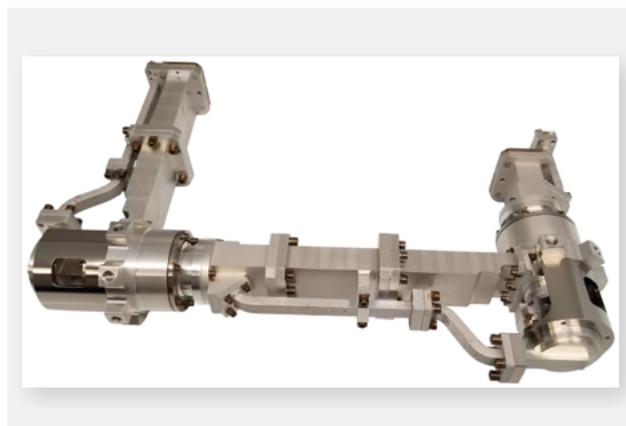
We can supply and produce any Slip Rings. We provide Slip Rings for any purpose, ranging from land and naval applications, such as targeting systems, to space applications where achieving the required performance is a real technological challenge.



RF, Waveguide, Fluidic & Combined Rotary Joints



We partner with top manufacturers to offer integrated solutions to their customers, including electric slip rings, radio frequency, waveguide and fluidic rotary joints. This allows us to satisfy a wide range of applications and requirements.



FORJs & Copper-to-Fibre Converters



When the size or nature of the signal prevents transmission via classic slip rings, optical fiber is the solution. At Servotecnica, we value your unique needs. That's why we offer the opportunity to develop specific copper-to-fiber converters tailored to your requirements. Multiplexing 3G-SDI video signals, Ethernet channels, and serial channels on a single-mode fiber makes this solution unbeatable regarding size and signal quality. Our contactless FORJs complete the proposal, guaranteeing an almost unlimited duration for revolutions.



Servo Drives



We offer sinusoidal servo drives with high power density. Their small dimensions and low weight make them ideal for demanding applications. These drives feature advanced control functions, support multiple fieldbuses, and can drive any motor, making them suitable for use in any environment.



Design & Technical Support

We provide comprehensive support to our customers from the initial project phase to delivery. Our project managers can oversee and document the various design phases.

Thanks to mathematical simulation tools and our 40+ years of experience in motion control, we offer valuable support in optimizing each system's control parameters.

We also provide software development tailored to customer specifications and conduct quality control to complete our services.



Contacts

ITALY - HEADQUARTERS

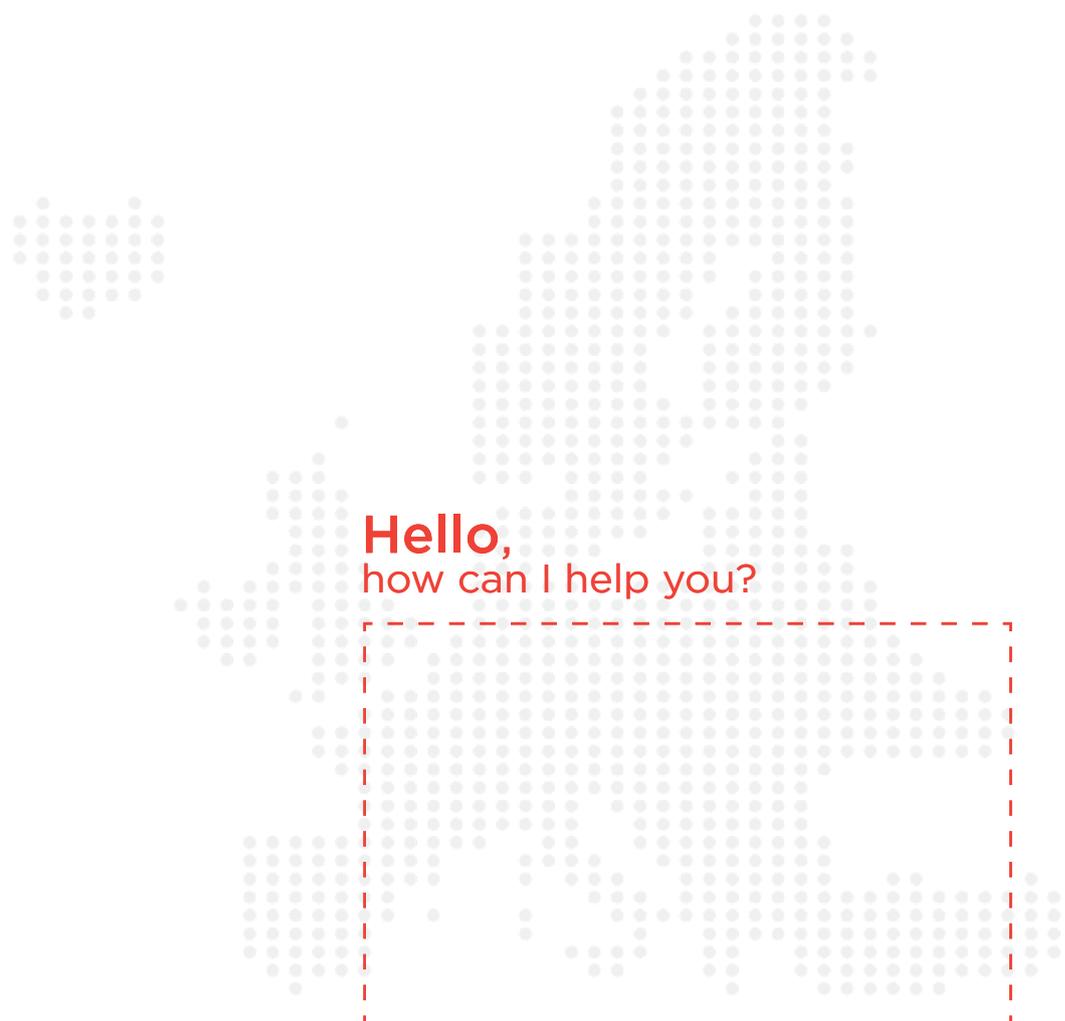
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Hello,
how can I help you?