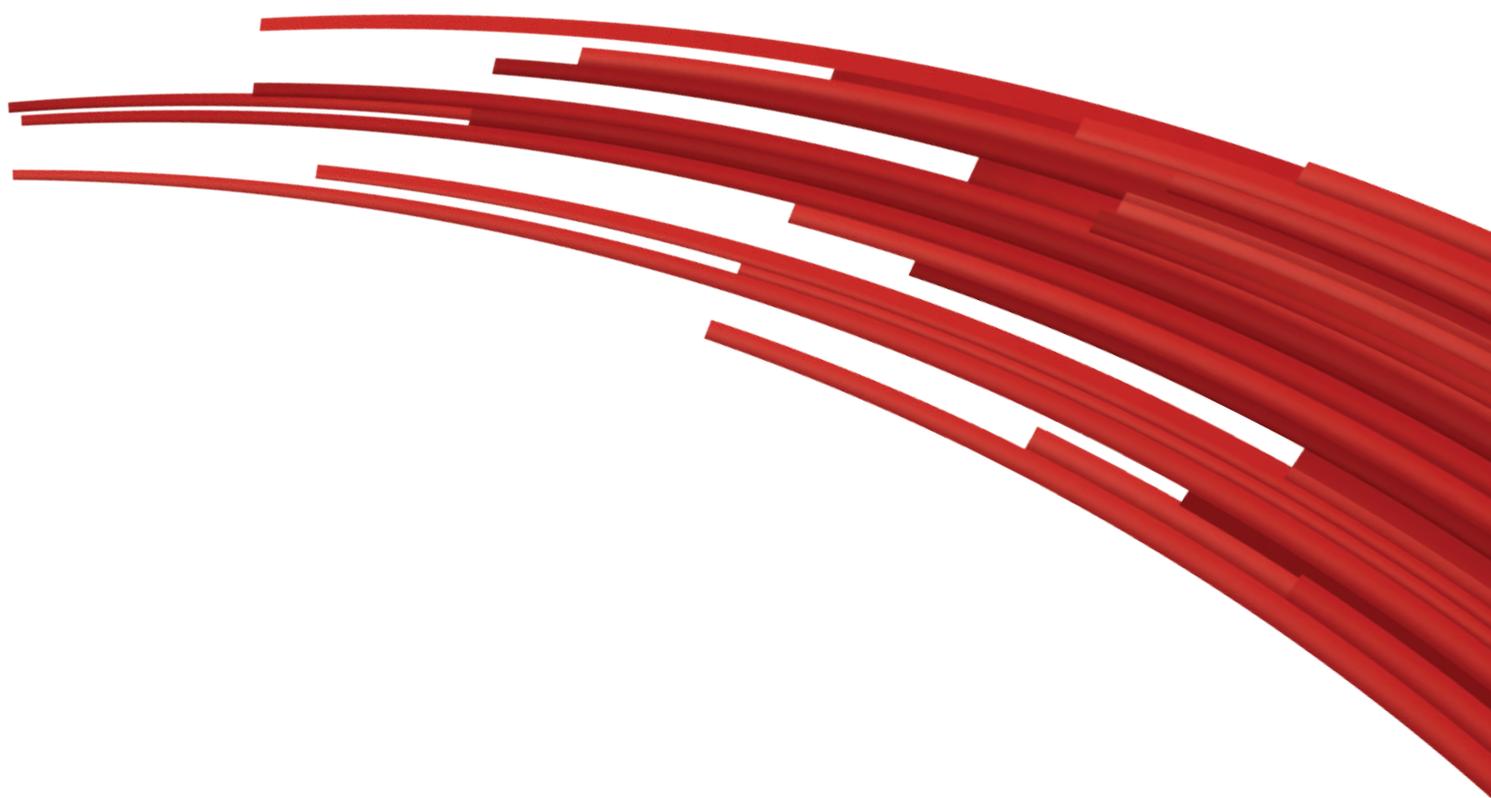


CUSTOM MOTORS



servotecnica

Connecting dots.
Providing Solutions.





Expertise at your service

All-around services and solutions. A product selection and software development are the best proposal for specific applications.

In the automation and motion control industry since 1980, Servotecnica manufactures and proposes unique products based on cutting-edge technologies developed by leading global manufacturers.

The concernment of giving a wide range of products guarantees its presence in all sectors of the industry requiring high performances, skilled engineers, reducing machine developing time and offering a service support which grants a reliable partner for your applications.

Welcome to our Premier Custom Brushless Motor Catalogue, where innovation meets precision to fuel your specific project needs. As industry leaders in brushless motor technology, we understand that one size does not fit all when it comes to the diverse world of motor applications. Whether you're powering cutting-edge aerial drones, revolutionizing the electric vehicle market, or pushing the boundaries of robotics, our custom brushless motor solutions are designed to deliver unparalleled performance tailored to your exact specifications.

Our catalogue presents an extensive array of customizable brushless motors, each engineered with exceptional efficiency, durability, and the latest in brushless motor technology. We take pride in our ability to offer a wide range of customization options, from torque and RPM adjustments to unique voltage requirements and environmental sealing for demanding conditions. Every motor we craft is a testament to our commitment to quality, innovation, and the relentless pursuit of perfection.

Dive into our collection and explore the possibilities that await. With our expert guidance and your vision, there's no limit to what we can achieve together. Welcome to the future of brushless motor technology, where your challenges are met with our tailored solutions.

Brushless Pancake Motor

Motor developed for an application in the safety field to directly drive an optical viewing system. It meets shock, vibration and temperature criteria as per MIL-STD-810F standard.



- Low voltage
- Compact dimension
- MIL-STD-810F
- Outside diameter: Ø154mm
- Inside diameter: Ø101mm
- Torque: 30Nm
- Nominal voltage: 31.2Vdc

Brushless Frameless Motor

Motor developed for an application in the naval field to control the driving system and especially designed to be integrated into the customer's mechanical systems, with the lowest possible cogging in addition to zero electromagnetic emissions, so as to eliminate the risk of board instrumentation interference



- Low cogging
- Custom dimension
- Hand in hand Engineering
- Outside diameter: Ø120mm
- Inside diameter: 28mm
- Torque: 2.2Nm
- Nominal voltage: 24Vdc

Low Voltage Spindle Motor

Low voltage motor with a high number of revolutions, developed for a manual cutter application where, for operator safety issues, a 48Vdc supply voltage is recommended.



High speed
Low voltage
Outside diameter: Ø90mm
Inside diameter: Ø15mm
Torque: 0.26Nm
Nominal voltage: 48Vdc
Speed: 30.000rpm

Low Voltage External Rotor Motor

External rotor motor with a small diameter, developed to be integrated into the cooling system of civil and military aircraft on-board electronics. Its specific reverse geometry design (external rotor) makes it possible to provide high torque and speed with respect to dimensions. The Brushless technology eliminates all wear problems.



High speed
Outrunner motor
Avionic application
Outside diameter: Ø38mm
Inside diameter: Ø12mm
Torque: 0.11Nm
Nominal voltage: 28Vdc
Speed: 15.000rpm

High Temperature Motor

Motor for oven and autoclave applications with 200°C temperatures and environmental pressures of up to 10 bars. The motor is equipped with resolvers and can be supplied with an interface for the installation of a reducer.



Operating temperature: 200°C
Gearbox option
Resolver
Frame: 80mm
Torque: 2Nm
Nominal voltage: 60Vdc
Speed: 3.000rpm

IP67 / IP68 Motor

Motor for the directional movement of the flaps of an exploration submarine for scientific purposes. This motor is equipped with hall sensors to control speed.



High pressure
IP68 (200 meters)
Low voltage
Frame: 88mm
Torque: 1.4Nm
Nominal voltage: 48Vdc
Speed: 1.300rpm

220Vac Micromotor

Motor designed for high performance and efficiency in powering screwdriver tools, delivering substantial torque and speeds, is for a high-voltage, four-pole brushless motor tailored for screwdriver tools, featuring an incremental encoder and temperature sensor



High Speed
Nominal voltage: 220Vac
Frame size: Ø42mm
Torque: 0.48Nm
Peak Torque: 2.88Nm
Nominal Speed: 20.000rpm

IP69K Motor

Motor for the propulsion of a remotely operated underwater vehicle (ROUV). This motors needed to operate under salt water down to 20 meters.



IP69K
Material: stainless steel AISI 316
Frame: Ø115mm
Torque: 7Nm
Nominal voltage: 48Vdc
Speed: 1.300rpm
Shaft axial load: 500N

Contacts

ITALY - HEADQUARTERS

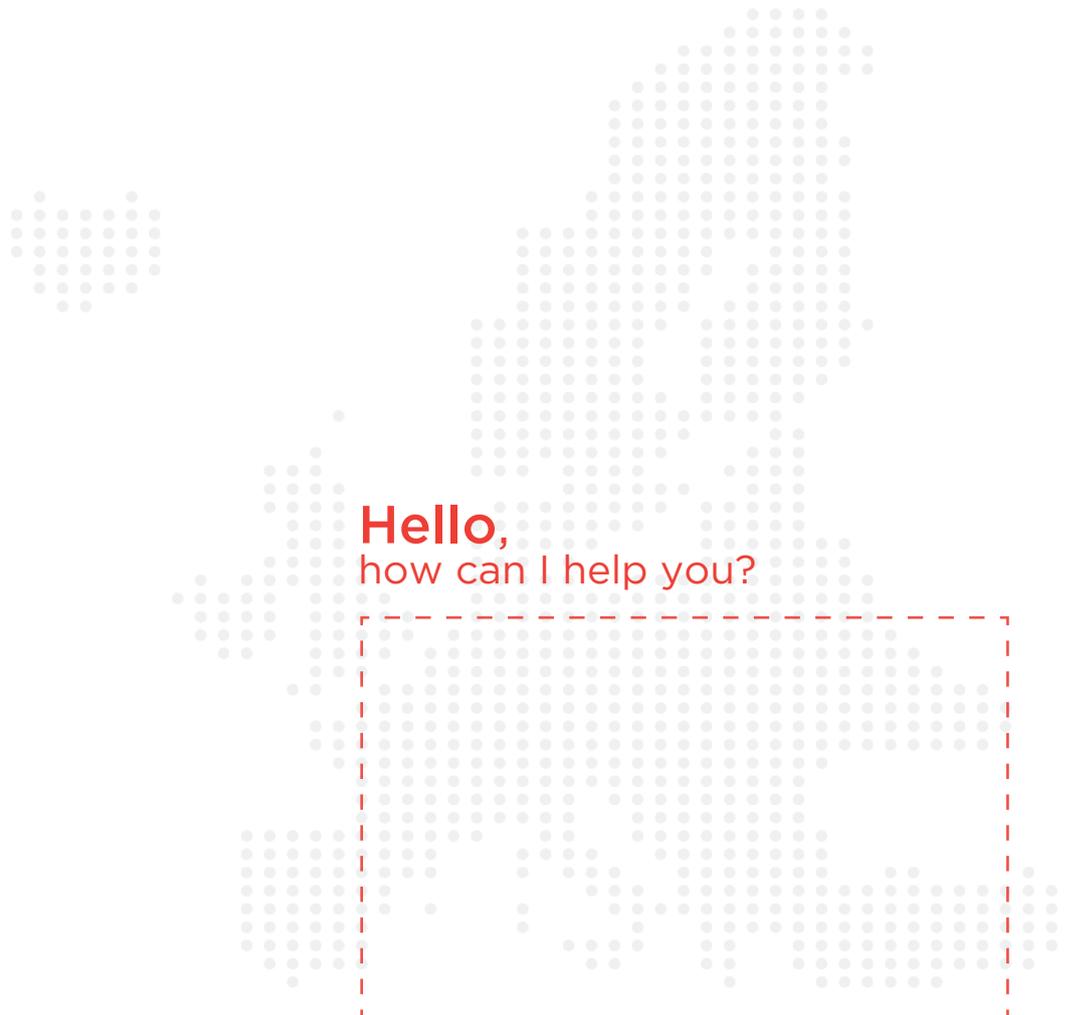
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Hello,
how can I help you?

