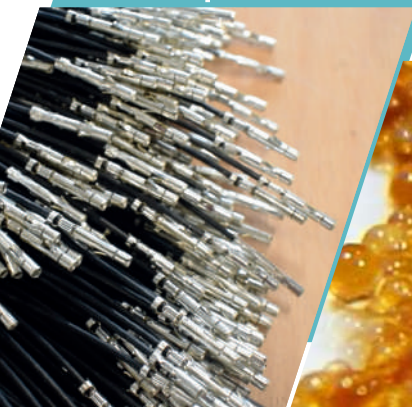




ASSEMBLY WIRING HARNESS MOULDING THERMOPLASTIC RESIN

Competence



Innovation



Passion



*Special moulding with **thermoplastic resin**
Special solutions for the **electromechanical sector***



Founded in **1989**, Starline Srl specializes in the production of **wiring harness, assembly and low pressure moulding**.

We operate successfully in several industrial sectors such as ***Automotive, Electromedical, Electronics and Industrial Refrigeration.***

The constant search for new solutions has led us to introduce **low pressure moulding** in our range of services, on which we have been investing energy and resources for over twenty years.

By virtue of this technology, we are able to guarantee an excellent sealing and protection of electrical and electronic components against external agents such as dust, water etc.

Thanks to our highly qualified staff, supported by our Technical Department we are able to address any customer's need, offering consultancy for the development of **custom projects and solutions**, ensuring **maximum support in all phases of production**: starting from design, following with prototyping and pre-production series, up to starting-up the technology directly at customer's premises.

High flexibility, constant investments, combined with our commitment to offer Made in Italy top quality services are core values that guide our work.

Services

Assembly

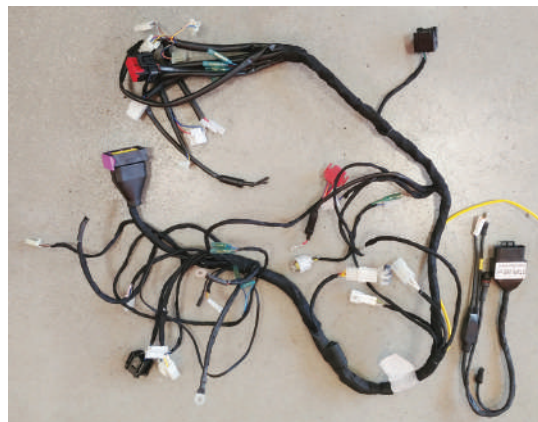


From over 20 years, Starline offers third-parties **electromechanical assemblies**, becoming a strategic partner for our customers.

Wiring Harness

Our flexible approach and experience allow us to manufacture both **traditional wiring** of varying complexity and **special wiring** with miniature cables and connectors.

We often work with particularly demanding sectors such as rail, medical and military.



Services

Low Pressure Moulding

Starline has chosen **Henkel's Technomelt** for functional sealing in both **electronic and electromechanical** sectors.

We offer mouldings on different components, like connectors and PCBs, thanks to a low pressure procedure.

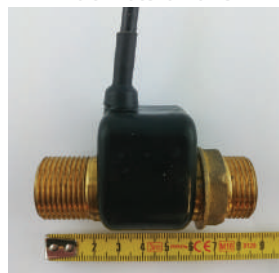
Sealing of PCBs



Delphy connector



Multi-material valve

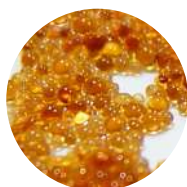


Power Board



Henkel's Technomelt special resins provide **electrical insulation** as well as protection of the components from water, humidity, dirt, contact and strain in several environments.

*This technique ensures **top performance** in terms of:*



- Sealing quality
- Design
- Engineering reduced costs
- Low equipment costs

Services

Low Pressure Moulding

The covers and coverings thus developed adapt to particular shapes even with **minimum encumbrance**.

Starline designs and produces autonomously the moulds and the equipments as well, starting from **customer's technical specifications**.

3 **We are also equipped for moulding in PVC, polyurethane, neoprene and sealing with potting resins.**

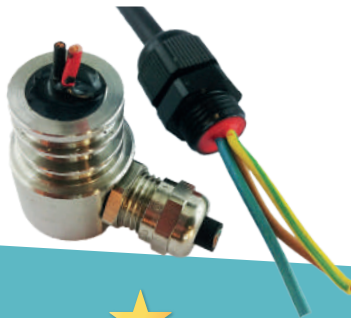
Bulgin connector
for polyurethane moulding



Custom connector
Forprene moulding



Sealing with potting resin



Starline is at your disposal for specific advice, for the start-up of low pressure moulding technology and the prototyping of your projects.

Quality and techniques

Micrographic lab

Thanks to special equipment and a dedicated software, Starline is able to assess the compaction between terminal and copper.

The micrography allows us to **check the technical details**, as well as to guarantee the standards of our work. We base commonly on Volkswagen specifications, among the most restrictive, but on request, we can work with custom parameters.

- **Torque control system** for screwdrivers
- **Automatic and semi-automatic** electronic machines for crimping
- **Orders management system**

Starline is certified:

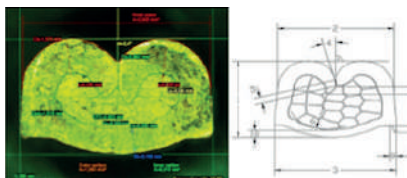
ISO 9001:2015
UL Wiring Harness
UL Processed Wire

To achieve maximum quality and reliability, we have introduced process **planning and testing procedures** that can cover up to 100% of the products.

With the introduced procedures, together with a modern management software, Starline offers to its customer the **complete traceability of the order**.



Sezione terminale



Additional services

Climate chamber



Starline has a climatic chamber that will allow you to **test** several **products**.

This new device will allow the **evaluation**, through accelerated aging, of the **behavior of the component** subject to a thermal cycle.

The machine is able to work with a temperature range from -40° to $+180^{\circ}$ and with a relative humidity degree from 10% to 98%.

It is also possible to set specific cycles defined by the customer and record the time trend of the relative parameters during the cycle.

Shipping and storage

With a covered area of over 1,500 m², Starline also offers a complete logistics service that can effectively address the different shipping and storage needs.



- Kit preparation and packing
- Direct Shipping
- Packaging and enveloping
- Storage



For those who need to receive a product ready for shipment, we can manage the entire packaging process.



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