



RESISTOR

ENERGY MOVERS



WE

DIESEL

About us

THIS IS RESISTOR

There is a heart behind the machines.

Each company has its own **HISTORY**. The one of Resistor is marked by the relentless pace of our machinery: a **Continuity** lasting for more than 30 years. We “set in motion” in the far 1982, with the production of glow plugs and resistors.

Ever since, loyal to you, loyal to one **STYLE**: high **Performance** for demanding customers. No savings on quality.

We are always by your side, to give you a product really built upon your specifications. **SERVICE** is for us first and foremost **Customization**.

Our **Expansion** now covers 50 countries in the world. Everywhere we have tuned in,

learned, and understood mentality and needs.

This, is the only way to a real **GROWTH**.

But beyond the relentless pace of machineries, beyond movements endlessly repeated over and over again, bursts the passion of Resistor’s people.

Passion for our work, from production to being beside you.

Passion for quality, pursued, taken care of, “automated”.

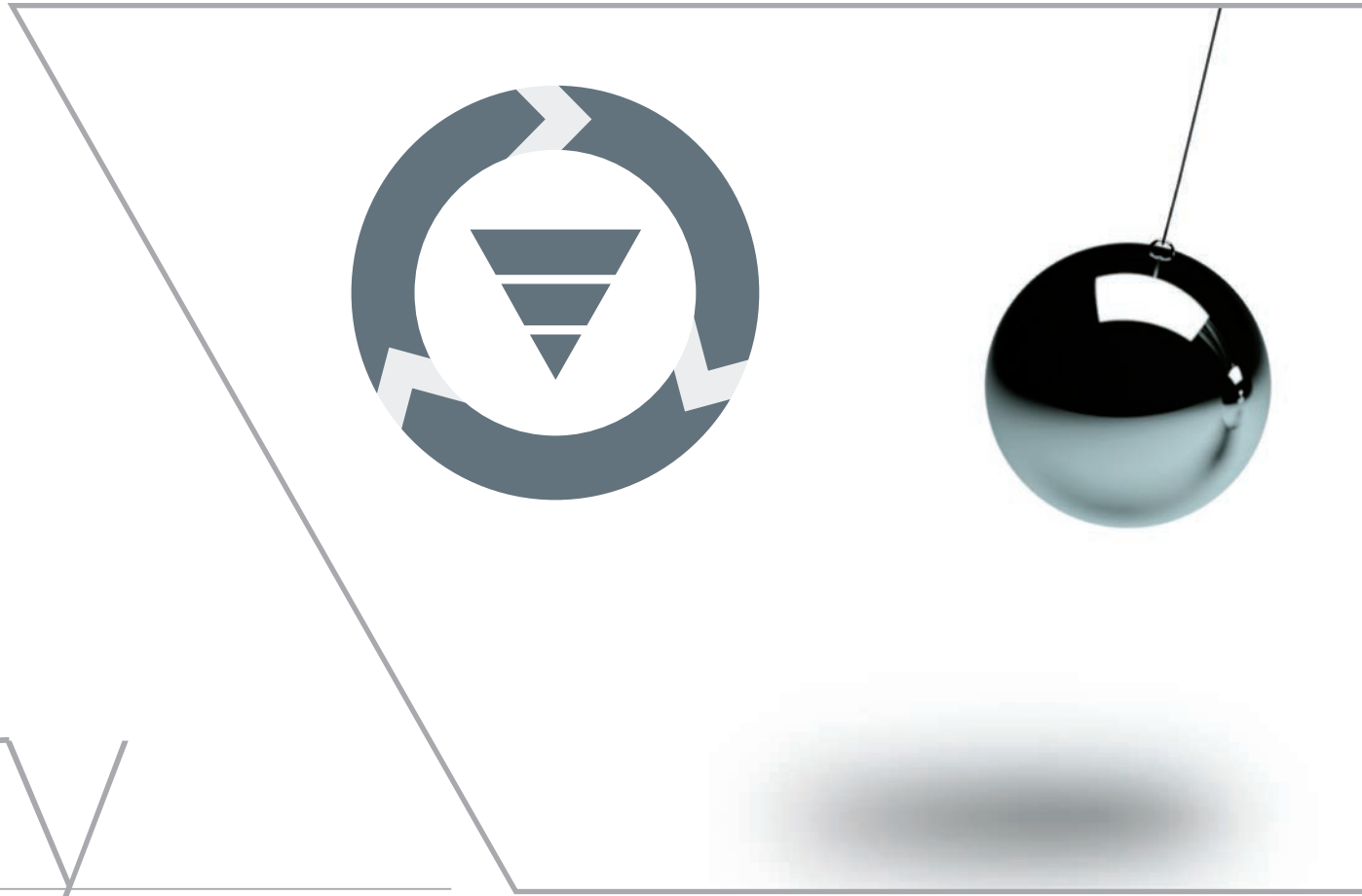
Passion for the relationship with you, devoted and dedicated.

There is a heart behind the machines.

RESISTOR. WE LOVE DIESEL.







History

CONTINUITY

Lasting performances.



AT A GLANCE

Since back in 1982, Resistor 's been manufacturing glow plugs for diesel engines and electric heaters for industrial applications. And right from the diesel engine we draw our inspiration when relating to customers: Continuity is our primary value.

“Continuity” in the sense of “experience”: we know what you need.

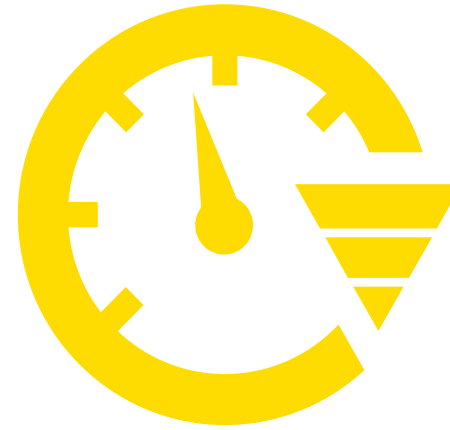
“Continuity” meaning the ability to last, thanks to a strong structure capable to cope with global

economic crisis.

“Continuity”, again, as formidable fuel in our relationship – devoted, loyal, “conspiratorial” – with our customers. Because we never forget that we have reached our finishing lines running side by side. That’s why we care more about your satisfaction than our visibility.

Since 1982, Resistor is by your side: when you need us, you know that we’re there.

- Experience and ability to last: since 1982
- Reliability: a loyal partner, always by customers’ side
- Trust: a reassuring, growing company
- Strong structure: a team dedicated to serve our customers



Style

PERFORMANCE

When being demanding is a demand.



AT A GLANCE

No savings on quality: this concept, since day one, drives the engine of the profitable partnerships with our customers. Despite we are scrupulous in containing costs – in order to keep competitive prices – we invest heavily to ensure optimal performances.

Acting in a field of high-level automation, we impose on ourselves the highest standards. Numbers certify and synthesize Resistor's Style:

10 PPM, 70 tests during the production process of each single glow plug, performances we aim to raise in the near future.

Being in conformity to ISO/TS 16949 standards, the use of the MSA and SPC statistical control methods, the involvement of suppliers (carefully selected and monitored): these are further guarantees.

Be demanding. Claim the best. Choose Resistor.

- No savings on quality
- High level of automation
- In conformity to TS 16949
- MSA and SPC statistical control methods
- 70 tests during the production process of each single glow plug
- 10 PPM
- Selected and monitored supply chain

Service

CUSTOMIZATION

Mechanized Flexibility.





AT A GLANCE

The details in big numbers: even in a high-mechanization field, marked by large quantities – such as the one of glow plugs – flexibility is an additional value.

We have a full knowledge of the market: from the Original Equipment down to the Aftermarket, to which we have dedicated four production lines.

Trust us, rely on and delegate specialists, ready to give you a turnkey service (design, production,

packaging, logistics), and fast in finding, within our world covering range, the special design that each specific market demands.

At Resistor, we combine Experience and Service, to ensure that our product becomes *your* product.

- Specialization in the Aftermarket
- Knowledge of the dynamics of the Original Equipment
- Universal range of products along with special designs
- Capability to manage even small quantities
- Design, production, packaging, logistics
- More than 350 models of glow plugs
- More than 4 million glow plugs produced each year



Growth

EXPANSION

We think in German. We are liked by The Japanese. We sell worldwide.



Faithful to our roots, but eager to expand. Headquartered in Senago, a stone's throw from Alfa Romeo, Resistor fits in the popular Italian tradition in the field of Automobile, Engines and relevant Aftermarket.

From the productive and efficient northern Italy – with meticulousness, rigor and planning – we have then approached the export markets, armed with a branched commercial network and a young and

motivated team, which can ensure us a growth in the mid-long term.

Resistor has nowadays partners in ample strategic geographical areas endowed with power of purchase, for a total of 50 countries around the world: from each of same we have tried to take the best, to learn, to tune and to understand the local mentality and needs. In order to become a company truly competitive at international level.

AT A GLANCE

- Presence in 50 countries in the World
- Capillary Sales Network
- Customers in strategic areas for population and purchasing power
- Project capability in the mid-long term: low average age of employees
- “Made In”: Senago, home of Resistor, is located at a stone's throw from Alfa Romeo



Products

GLOW PLUGS FOR DIESEL ENGINE

During the cold season, diesel engines do not always start as desired. The arising heat is often insufficient for starting the engine on its own. Therefore, the necessary heat in the combustion chambers is missing. Heat losses through the cold cylinders and the air intake impede the self-ignition. The diesel engine does not reach the necessary temperatures without the addition of heat. The central function of glow plugs is to provide additional energy for the start.

Glow plugs from Resistor are the required energy source. Before the start of the engine, the glow plug is energised and the glow tube heats up to more than 800 °C. This heat improves the engine's ability to cold-start considerably. The glow plug's heat development also optimises the combustion, so that the development of smoke and other emissions is reduced. Resistor covers the totality of requests of the

automotive applications, and – thanks to extensive experimentation – offers:

- OE quality glow plugs
- Faster heat-up time and a reliable cold-start
- Extended post-heat temperatures for lower emissions

More than 300 different models of European, Asian and American models. Which one is yours? It doesn't matter: Resistor sure has it.



Products

ARMORED RESISTORS

Resistor manufactures armored electric heaters intended for national and international primary industries in metallurgy, thermodynamic, hydraulic, chemical, pharmaceutical, food, paper, textile, washing plants in packaging, industrial heating. The design and technical knowledge, the assistance in thermal plants dimensions, the use of quality materials, characterize the work within a certified quality system (ISO 9001:2008).

Our range of production today is divided into the following families of electric heaters, for the most various industrial applications, including:

- Heaters Armor
- Armored Heaters Finned Tubular Heating and Air
- Electric Duct Heating and Air Finned Tubular heating elements with Heater Bands
- Cartridge heaters and heaters Microtubular
- Nozzle heaters, heaters Plane Mica and Silicone Rubber
- Heating Elements on flange and cap



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