



PREO is a leading designer and manufacturer of adhesive applicators. We are the largest Italian manufacture with our technical, commercial and production departments.

PREO is one of the most influential manufacturers.

We never stop working to obtain the highest standards in quality and innovation. As a result, our company has become highly competitive in developing standard machines and in researching and creating special patented solutions. Our experience from many years in the aerospace sector is a huge asset.

PREO is one of the best examples of Italian industry.

Our highly qualified technical staff and state of the art manufacturing technology have earned us a prestigious slot on the international market.

PREO are proud to serve some very prominent customers.

We provide a winning sales policy, a quick and efficient after sales service, and a well-structured distribution network. This is why PREO products are used by blue chip companies around the world.

The **EASY** series hot-melt applicators are among the top innovations on the international market for several reasons: easy use, production flexibility, convenient operations and maintenance costs, quick installation, easy programming, high safety standards, exceptional reliability and full integration with any packaging line. This combination of features guarantees maximum operational flexibility.

These products are particularly designed for applications of adhesives and thermoplastic materials with viscosity up to 70,000 Cps. We've equipped them with **5, 10, 15 and 20 Kg tanks** with double effect 14:1 ratio **piston pumps**, or with precision **gear pumps** 3 or 7 cc/rev flow completely controlled by an inverter.

The new microprocessor has a "Rotary Switch" that allows the operator to enter all parameters to easily program and modify machine function. It controls all necessary functions for proper system operation, temperature adjustments for all different system areas and programming control of **8 glue tracks** for each of the **8 independent channels**.



MILLENNIUM series applicators are designed and manufactured for applying EVA, Polyamide, Polyester and high viscosity Pressure Sensitive adhesives in a variety of configurations to satisfy even the most demanding requirements of capacity, viscosity, temperature and type of adhesive.

These products have innovative progressive melting system tanks with a **30 and 50 kg** capacity with high precision, inverter controlled **gear pumps** with different deliveries.

The melt-on-demand drum-unloaders from the **BULKMELTER** series are suitable for applications of Pressure Sensitive, Polyethylene, Polyamides, Polyurethane and Mastics. They can be used for both manual and automatic applications.

Two formats are currently available: **20 and 200 litres**. A self-sealing melt-on-demand heating plate prevents the adhesive from being contaminated. The applicators are fitted with high precision **gear pumps** with a safety valve



Preo offers a complete range of automatic modules and guns for bead, point, spiral, spray and slot coating applications. All our guns are equipped with the new module series **AMX-45**, the most innovative product currently available on the global market. It's the first - and only - module with a **double replaceable gasket cartridge**.

Preo used its technological expertise from the aerospace and aviation sectors to develop this crucial component. Its main advantage is the highly innovative mechanical technology used in the design and manufacturing process, which is unequalled in competitors' products.

Also, small size, high operation speed, standard Zero-Cavity nozzle, precise application and easy maintenance make it reliable, cost-effective and long lasting.

Products in the **NEW LIFE** glue gun series are built with standard or high-temperature configurations with one or more modules with different types of centre distances and nozzles, and with one or more solenoid valves. These guns can satisfy the widest range of different requirements. **NEW LIFE's** features are: speeds of up to **6,000 cycles/minute**, module with double interchangeable gasket cartridge, **Zero-Cavity** self-cleaning nozzle, protective non-stick casing coating, **integrated glue filter** (can be removed without disassembling the hose).

The **REVOLUTION** glue gun series with **rotating modules** provides the best solution for all gluing problems. Small and versatile, these products can replace the common multi-module spray guns with fixed spray centre distances. Technical features for this series are the same as those of the New Life range.



Electromagnetic guns from the **STRAIN 121** series are the most sophisticated, innovative, and technologically advanced on the world market today. Compared to competitors' products, they stand out for their speed, compactness, precision, repeatability in supply, and simple quick installation - as well as for being completely noise-free.

Applying and supplying micro-points of thermal adhesives is no problem, even at very high speeds of up to 5,000 Cps glue viscosity.

These guns can reach a cycle speed of less than **1 millisecond** and an overall lifecycle of tens of millions of strokes.

A powerful digital control drive unit with innovative electronics independently runs all of the functions of 2 guns, which allows superior quality repeatability when compared to normal applications.

The **CIA glue detector** series was especially designed and manufactured to check high-speed gluing lines. The system analyses each single drop of glue (using the passive infrared method), verifying continuity and signalling any anomaly **in real time**. This completely independent device is easily installed on any existing gluing system of any brand, and can reduce production rejects to virtually zero.

The optical measuring head is equipped with an air-operated cleaning system, which practically eliminates any need for maintenance operations, also in dusty environments. The CIA digital control unit independently manages all functions of up to 2 optical measurement heads. The device's innovative electronics ensure much greater reliability than standard applications.



**YOUR
QUALITY
CHOICE**

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Compare prices and quality of Preo brand systems before ordering elsewhere. You'll be glad you did.

Remember that choosing Preo means choosing quality.