

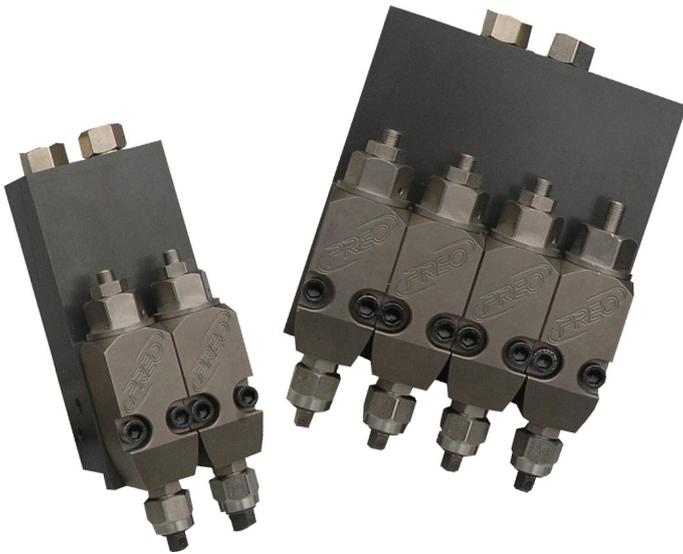


HOT-MELT GLUE GUNS



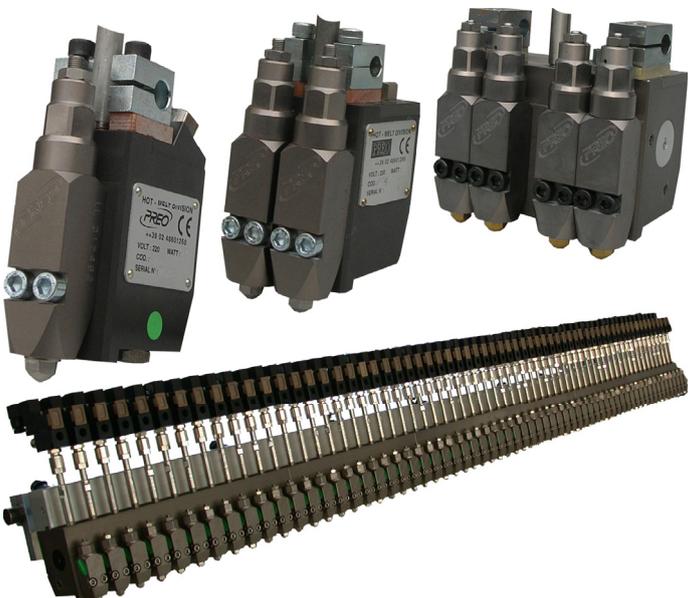
GUNS SERIES EXTRA

The natural evolution of working processes and a constant commitment always to be at the forefront in the production of high-quality systems drove Preo to develop "EXTRA", a new series of technologically advanced glue guns with features that are brand new to the sector. Standard and high-temperature configurations have been designed in different configurations in order to satisfy the most diverse application requirements. EXTRA's main features are: gun body compact size (only 22 mm), speeds up to 6.000 cycles/minute, AMX 45 module with double interchangeable gasket cartridge, Zero-Cavity self-cleaning nozzle, protective non-stick casing coating, integrated glue filter which is removable without disassembling the hose. This wide, complete range of different models makes it possible for even most demanding Customer to find the best solutions for any gluing needs.



GUNS SERIES LOW PROFILE

The LOW PROFILE gun series are provided with 2, 4 or 6 modules with a 90° nozzle and are mainly used for the applications requiring particular sizes. Thanks to their low profile, they can be positioned between the cardboard flaps during the closing operations. Their standard configuration provides AMX 45 module with double interchangeable seal cartridge system and without the traditional outer guard as the gun body is with a protective, non-stick coating on the gun body where is inserted the electric wiring for the best safety and the stainless steel glue filter which can be removed without disassembling the hose, ensuring the complete absence of impurities during gluing output, thus increasing the high reliability of PREO spray guns. The heating is produced by the most reliable electric elements and controlled by very accurate sensors. The wide range of models provides also the most demanding customer with the ideal solutions for each gluing problem.



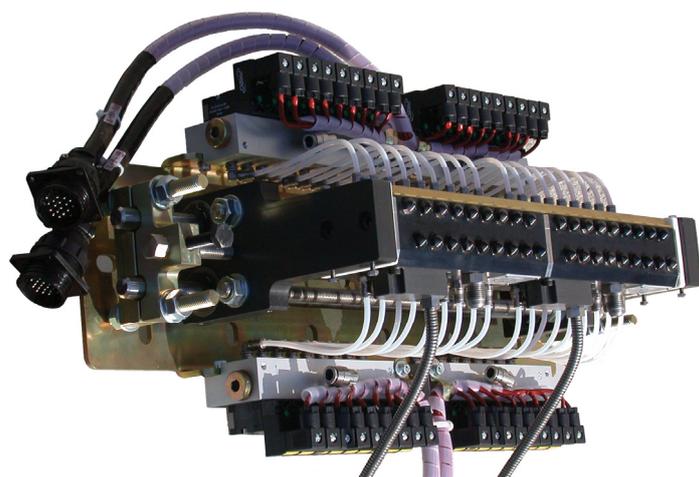
GUNS SERIES LONG LIFE

In both standard and high temperature execution the LONG LIFE gun Series are available in different models (with one or more different distances and nozzles, with one or two solenoids), in order to meet any specific application needs. They are used in different applications with maximum operation speed of 4000 cycles per minute. Their standard configuration provides the AMX 45 module (with double interchangeable seal cartridge system), and a self-cleaning zero cavity nozzle for the best application. The guns are manufactured without outer guard. The gun body is with a protective, non-stick coating on the gun body where is inserted the electric wiring for the best safety and the stainless steel glue filter which can be removed without disassembling the hose, ensuring the complete absence of impurities during gluing output, thus increasing the high reliability of PREO spray guns. The heating is produced by the most reliable electric elements and controlled by very accurate sensors. The wide range of models provides also the most demanding customer with the ideal solutions for each gluing problem. The multi-module version is particularly suitable for multi-line applications in several fields such as the textile industry, filter, mattress and paper manufacturing.



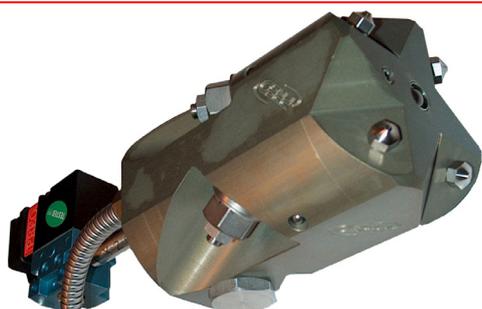
GUNS SERIES SLIM

The gun series SLIM, similar to the Long Life Series, are equipped with a self-cleaning zero cavity long nozzles up to 65 mm which distribute the glue even in very narrow or deep points. These new nozzles are manufactured of special alloy mostly used in the aerospace sector, from which Preo has been gaining its experience for years. The material employed has a thermal conductivity 8 times higher than a normal brass alloy maintaining a constant temperature along the length of the nozzle. They are mostly suitable in the food, ceramics and bookbinding industry field. They are supplied with the AMX 45 module with double interchangeable seal cartridge system and they are manufactured without outer guard as the gun body is with a protective, non-stick coating on the gun body where is inserted the electric wiring for the best safety and the stainless steel glue filter which can be removed without disassembling the hose, ensuring the complete absence of impurities during gluing output, thus increasing the high reliability of PREO spray guns. The heating is produced by the most reliable electric elements and controlled by very accurate sensors. The wide range of models provides also the most demanding customer with the ideal solutions for each gluing problem.



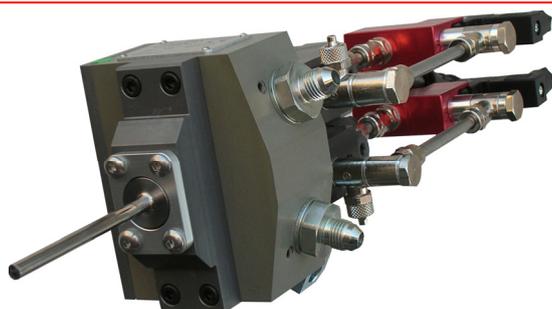
GUNS SERIES SIFT PROOF

The greatest problem in packing powders is the glue spray programming on different size boxes requiring the use of guns at different distances. The new gluing system Sift Proof is based on a completely innovative packaging technology improving the flexibility models and reducing the downtime due to size changes. For its high technology and reliability of all the details, the Sift Proof series warrants a perfect sealing barrier preventing any powder from coming out of the cardboard box fastening and sides. At the same time it will prevent humidity, foreign particles and insects from entering by making it useless to put any protective plastic bag inside the cardboard box and thus allowing to save on the manufacturing costs. The Sift Proof series is made up of a series of zero cavity technology and self-cleaning nozzles that eliminate the obstructions caused by carbonization. Inside each nozzle there is also a hard metal covered with PVD needle ensuring the greatest spraying reliability without errors and making it possible to repeat the operation several times even in case of high productions with a saving of at least 80% on the maintenance times respect to the traditional systems. The versatility of this product allows a simple and quick installation directly on the packaging line. It doesn't need to be removed for the size change either as it's enough to enable, by a selector, the series of suitable.



GUNS SERIES FOUR

It is the most innovative product on the market with 4 zero Cavity independent nozzles and a rotation of 90° during the glue deposition in order to obtain a perfect circle. These guns are mainly used when there is the necessity to spray glue dots in the internal bottom part of a cylindrical box. The Series Four Gun has the usual features as the standard gun series and in particularly the traditional interchangeable seal cartridge and the non sticking coating treatment on the body.



GUNS FOR COSMETICS WITH DOUBLE SUPPLY

Since long time Preo has been leader in applications for cosmetics; an absolute new entry in this field is a series of guns with "double supply" 75 mm long nozzles made of stainless steel. On a total diameter of 6 mm are manufactured 2 longitudinal and parallel holes 1 mm diameter. This specific application is used where a contemporary ejection of 2 different products coming from 2 separate systems is requested with the possibility to be controlled independently.