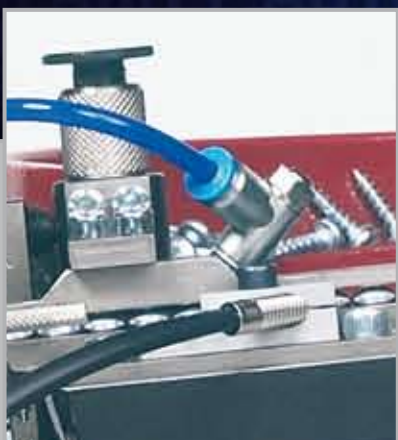




Tightening automation.
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'Overload' sensor

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'OVERLOAD' SENSOR

With assembly systems foreseeing automatic screw feeding, the "overload" sensor is an important device to be applied to the circular feeder aluminium bowl in order **to improve the feeding constancy and continuously ensure system operation.**

The control of the screw quantity on the feeder tracks is guaranteed by an optical fibre employed with the aim to prevent screws getting stuck in the selection duct. As the optical fibre detects the screws, it activates an electro-valve which is producing an air flow eliminating the excess screws.

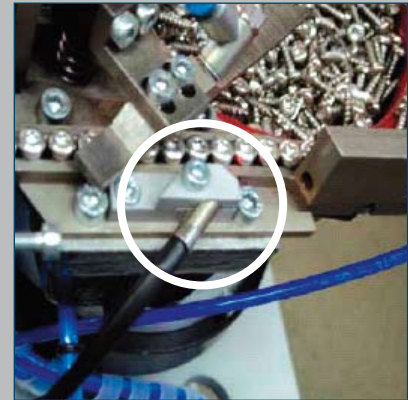
In such a way situations of screws getting stuck as well as machine stop are avoided, resulting into greater reliability and improved effectiveness in the working cycle.

Component	Model	Description
3	STP	'Overload' sensor

TECHNICAL FEATURES

SUPPORT FOR OPTICAL FIBRE
OPTICAL FIBRE
ELECTRONIC AMPLIFIER

N.B. In case pre-arrangement of the pneumatic supply is being made by the customer, it is necessary to foresee an electrovalve (a "2-way" type) for the connection of the overload sensor.



The photo shows an application of a Fiam overloading sensor

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