

SHOWCASE MATERIALS

Innovative Thread Locking Systems

For many industrial applications

Italy-based company manufactures and applies innovative systems for the locking of threaded parts used in a wide range of sectors including the automotive, electronics, electrical appliance and many other industries.

These pre-applied products significantly increase the quality and performance levels by comparison with the more common mechanical locking systems and/or in-line manual applications.

The company has extended its range of applications to render them compatible with the lubricant and protective and friction coefficient regulator finishes that are produced and available from the leading companies on the market.

The coatings can be pre-applied to various types of threaded parts,



fasteners and fastener components.

Company has been manufacturing and applying adhesive products and sealants since 1987, using systems and processes designed and patented internally for the application. Its skills in the application processes and the independent formulation of its products make it your ideal partner. The solutions created specifically for its customers, in combination with highly flexible production processes, are factors that make the firm unique.

For technical specifications, contact **TECNOLOGIC 3®**, Gorgonzola (MI), Italy, or visit:

www.tecnologic3.it

Stainless Steel Surface Hardening Technology

Replaces Tungsten carbide coating

New surface hardening technology replaces tungsten carbide coating on stainless steels. A leading manufacturer of precision nozzles and nozzle systems converted from tungsten carbide coatings to Expanite surface hardening after experiencing quality issues with the coating cracking off. The company found an Expanite hardening solution that made the surface of the nozzles resistant against chipping, cracking, delamination, etc.



Field tests showed significant increased lifetime and no premature failure. **Expanite A/S** of Denmark.

www.expanite.com

SHOWCASE QUALITY

Optical Sorting Machine for Fasteners

With rotating disc system

Company offers the SLZ 350, which is an optical sorting machine for fasteners that incorporates rotating disc technology.

The SLZ 350 optical sorting machine is designed for fast and extremely accurate quality control on small parts and components with heads such as rivets and screws. The SLZ 350 machine is designed for dimensional and quality control applications.

This optical sorting system for fasteners and similar products provides its users with processing speeds ranging from 8000 to 50,000 pph.

Dimensional part ranges for the SLZ 350 system include diameters minimum/maximum from 3 to 40 mm as well as lengths minimum/maximum from 3 to 100 mm.

A variety of control systems is available for use on the SLZ 350 optical

sorting machine. The control system units that can be incorporated on the SLZ 350 machine include optical inspection units, laser control units and crack control units with eddy current technology as well as head recess depth-control units.

The SLZ 350 optical sorting machine for fasteners and similar parts is optimized for quality control on parts and components including a variety of fasteners such as rivets, self-piercing rivets, tubular rivets, screw thread insert, screws and nails.

Additionally, the SLZ 350 optical sorting machine can be equipped for quality control technologies including

quality and dimensional controls with bi-telecentric and pericentric cameras, dimensional controls with laser measurement units and dimensional controls with 3D laser scanning units.

The manufacturer of this equipment reports that downloadable literature on the SLZ 350 optical sorting machine with rotating disc is available at the company's website, which is listed below.

To obtain additional information and technical specifications on the SLZ 350 optical sorting machine, contact **Champs Inspection Technologies**, Baranzate (MI), Italy, or visit the company's website below.

www.chatech.it

