

Coating service solutions Metco TEX

Coating systems for the textile industry

The situation

The profitable operation of modern, highly productive textile machines depends largely on how well the key components that make contact with the fibers and threads resist wear and tear. At many stages in the processing line, the surface finish has a direct influence on the produced quality.

Coatings have to meet the requirements for:

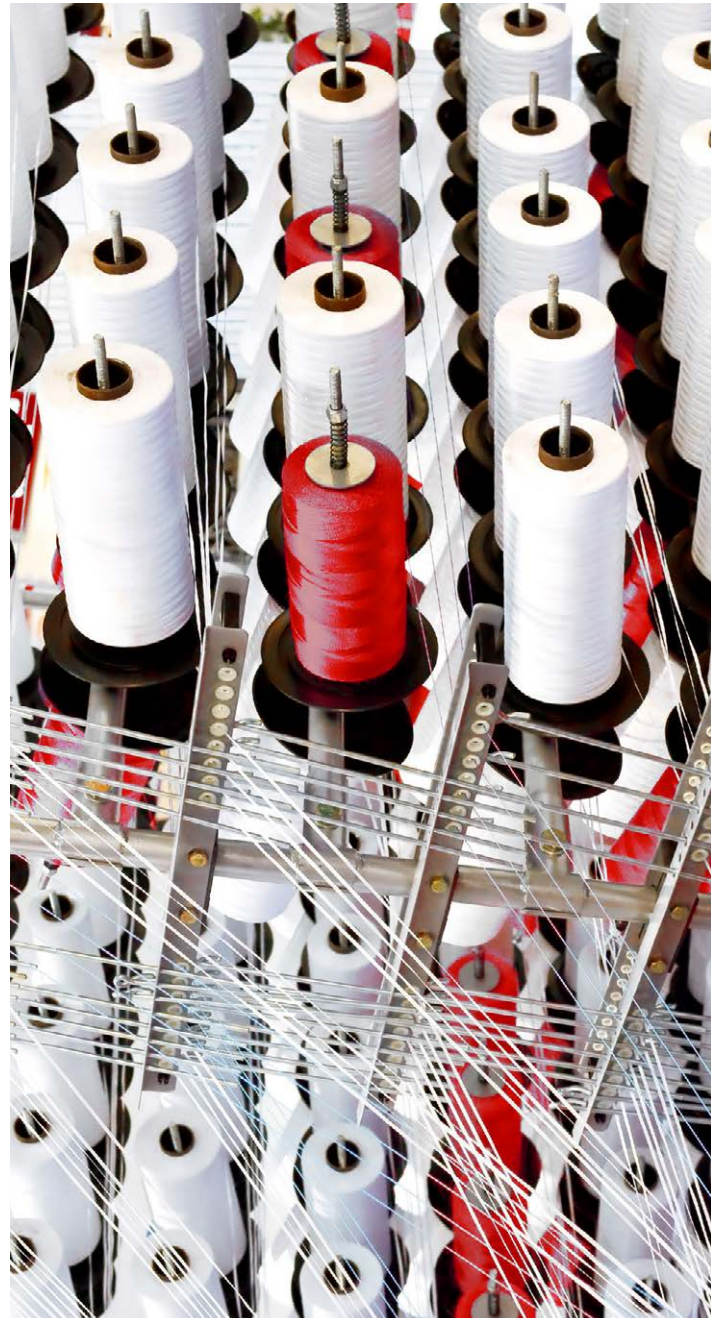
- Uniform thread quality guaranteed by a surface that remains unchanged over the service life of the component
- Increased processing speed achieved by improved wear resistance
- Component surfaces that can be easily repaired if damaged
- Innovative surface properties for the manufacture of textile products with new thread and fiber compositions.

Our solution

We have developed Metco™ TEX customized coating solutions for textile industry applications, which are used by leading textile machine manufacturers.

Our coating solutions are characterized by:

- A wide range of functional, fiber-friendly surfaces
- High reproducibility, realized by precise characterization of the surface finishes produced by different machining processes
- Optimum corrosion protection provided by an intermediate nickel layer that is galvanically applied or a thermal sprayed nickel-chromium NiCr layer. Finishing may be further improved by subsequent sealing or impregnation.



Metco TEX GL-01

For large godet rolls

- Economically priced chromium-steel coating
- Hardness and corrosion resistance sufficient for medium loads

Metco TEX GL-02

For godet rolls and grooved rolls

- Plasma sprayed aluminium oxide coating with low titanium oxide content
- High hardness and wear resistance
- Fiber-friendly, ground finish

Metco TEX GL-03

For grooved rolls and thread guides

- Plasma sprayed aluminum oxide coating with higher titanium oxide content
- Easily machined by belt grinding
- "Orange skin" type of surface

Metco TEX GL-04

For godet rolls and thread guides

- Plasma sprayed chromium oxide coating
- Maximum hardness and wear resistance

Metco TEX AW-12

For fiber opening rolls

- Plasma sprayed chromium oxide coating
- Maximum hardness and wear resistance
- Fine surface finish for improved thread quality

Customer benefits

With Metco TEX coating systems you will benefit from considerably longer and more uniform component lifetimes, ensuring consistently high quality for your products. Maintenance and service will be less costly and easier to schedule.

Our coatings can also be used for repairs, achieving the same high quality standards. Surface properties (roughness, structure) can be tailored to suit your needs. Corrosion



Godet and grooved rolls



Thread guides

protection can be matched to your exact requirements. An intermediate nickel layer is standard with Metco TEX, and can be recognized by a "+" added to the name. Alternative solutions can also be offered on request.

Our operations are ISO 9001 certified. A consistently high standard of work is therefore guaranteed.



Information is subject to change without prior notice.