

Texturing discs



Friction Discs



High constant quality due to fully automatic production and quality control



Samples of Temco friction and yarn guide discs



Technology facilities of Temco like textile laboratories are open for customers for their textile and spinnish trials

Temco has been committed to the development of texturing units and discs for over 30 years.

The depth of experience gained in this process has enabled us to meet the ever increasing demands in:

- Yarn quality
- Production speed
- Process flexibility
- Process economics

In texturing, friction discs are the key component for a successful and profitable yarn production.



FTS 525

Through the development of PU material, the optimization of threadpath geometry and adherence to tight manufacturing and quality control tolerances, Temco has indeed set world standards with its PU friction discs.

As a result at high texturing speeds, the highest quality demands can be met for textured yarns:

- Twist level and stability
- Yarn tensile performance
- Yarn bulk and elasticity
- Low process and machine CV

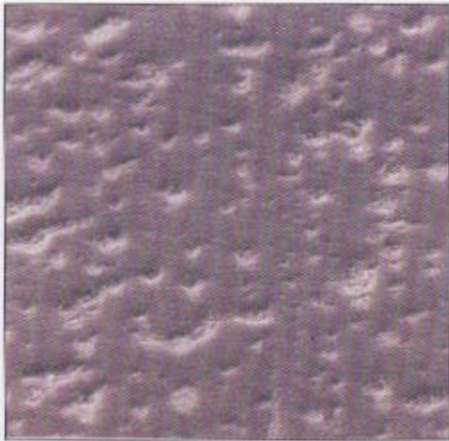
As pacemaker in the development of PU friction discs we keep on setting new milestones in friction disc technology. Our texturing experts are in close co-operation with universities and

technology leaders in textile industry. In-house RSD facilities include texturing machines with different profiles and heater types and a complete textile laboratory.

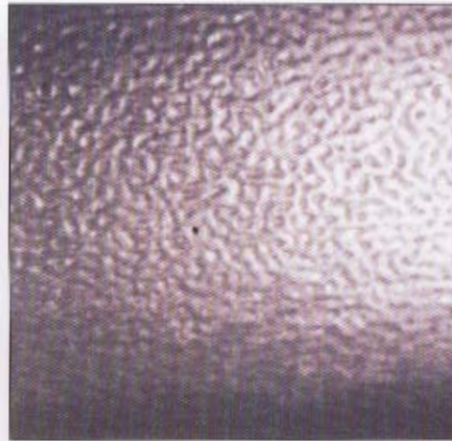
Temco offers the most suitable friction discs with a range of thickness and diameters to satisfy all commonly used friction units. Different shore hardness and shape can be selected to get the best results for the specific yarn range and processes of our customers.

Customer satisfaction is our prime target. Our texturing experts will be pleased to offer you further advice, or run trials in our textile laboratories relating to customer specific applications.

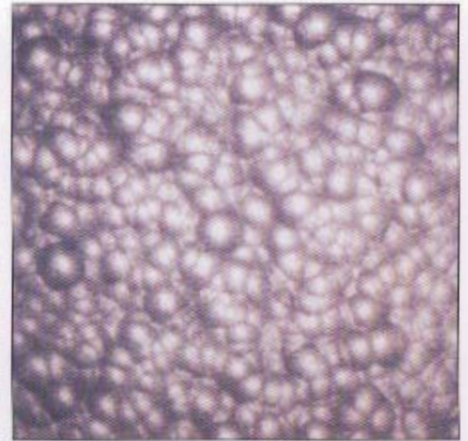
Friction Discs



PU Final surface



Nickel diamond surface



Chromium surface

PU friction discs

Ceramic discs always create some abrasion of the yarn surface. The result: Lower tenacity and elongation, more filament and yarnbreaks and contaminated machines.

With increasing texturing speeds and finer filaments, the negative effect is getting more severe.

PU discs are softer than the yarn, handle the yarn with care during the twist insertion process.

Top yarn quality is based on a careful selection of PU material, disc geometry and surface structure.

Numerous tests with stringent limits are keeping the texturing performance of our discs within narrow limits. Measuring of physical properties is followed by texturing tests with different yarn types.

As result, our customers can rely on a top yarn quality that is uniform on all machine positions. Besides, texturing performance is kept constant for different PU lots.

PU raw material and production methods are selected to provide highest wear resistance and unsurpassed resistance against spinfoil. Due to the long service life of our discs, customers experience excellent economics.

Diamond discs

For special texturing processes, where PU discs reach their limits, we are offering our "nickel-diamond" friction discs.

Extreme levels of aggressive spinfoil or abrasive yarns are typical applications.

Soft shaped pure diamond microgranules are incorporated in wear resistant nickel-phosphide.

Precisely defined surface topography is tailored for each process.

Low wear rate of the and "self-rejuvenating" surface result in long service life and constant texturing performance.

Guide discs

Our chromium-plated guide discs ensure precise thread-path geometry and tension stability on the friction discs. The special surface structure, that can not be realized in conventional ceramic, is the key for stable friction conditions. Constant low friction ensures consistency in yarn tension - for exact twist insertion rates.

Surface and geometry are optimized for our PU discs - to improve process stability.

Chattermarks on PU discs, a common problem with ceramic guide discs, are avoided.

Multiple entry discs help to improve service life of PU discs.

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