



*** TENTER TECH TIPS * TENTER TECH TIPS * TENTER TECH TIPS ***

TPM* means more than Tenter Performance is *Mandatory

TPM stands for “**Total Productive Maintenance**” and builds a close relationship between maintenance and productivity, showing how planned care and up-keep of equipment will improve productivity and reduced costs. Today, successful companies in industries ranging from plastics to textiles must achieve world-class manufacturing, which includes both effective and efficient maintenance. Total Productive Maintenance (TPM) is the foundation for establishing first-rate maintenance programs that keep machinery functioning optimally, while minimizing equipment breakdowns and associated waste.

The five key elements of TPM are:

1. Improving equipment effectiveness by targeting the major losses.
2. Involving operators in the daily, routine maintenance of the equipment.
3. Improving maintenance efficiency and effectiveness.
4. Training for everyone involved.
5. Life-cycle equipment management and maintenance prevention design.

Specific for tenters, TPM focuses on: **preventive maintenance** - preventing breakdowns; **corrective maintenance** - "mistake-proofing" equipment to make maintenance easier; **maintenance prevention** - designing and installing equipment that needs little or no maintenance; and **breakdown maintenance** - quickly repairing equipment after breakdowns.

A key element in establishing a successful TPM program is working with full-service, qualified vendors as a partner for solutions to your systems, service and parts requirements. For tenter frames STM / Winsor & Jerauld can help you with:

Preventive maintenance

- Repair of tenter clip/chain -- including cleaning and filing
- In-plant file service of all brands of clips
- In-plant inspection of tenter and chain

Corrective maintenance

- New and rebuilt rails for retrofitting existing tenters – Vertical and Horizontal
- Clip or pin chains (new and rebuilt) for most makes and models of tenters
- Wear strips retrofitted to existing rails.

Maintenance prevention

- NILUBE self-lubricated chain/rail - Unique design requires no lubrication/wear pieces. Two designs available – roller chain and slide chain with polyamide parts. The mating rail raceway is precision ground and polished.

Breakdown maintenance

- Parts for many makes and models of tenters -- domestic and foreign. And if it's a specialty, hard-to-find part, we'll produce it to the manufacturers' specification. We can readily provide gears, bearings, shafts, sprockets, saddles, screws, rail casing, etc.

To assist you with TPM, STM / Winsor & Jerauld offers a free evaluation of samples of your tenter clips and chain, including recommendations to improve tenter performance and possibly reduce maintenance and operating costs. Give us a call...we're here to help.