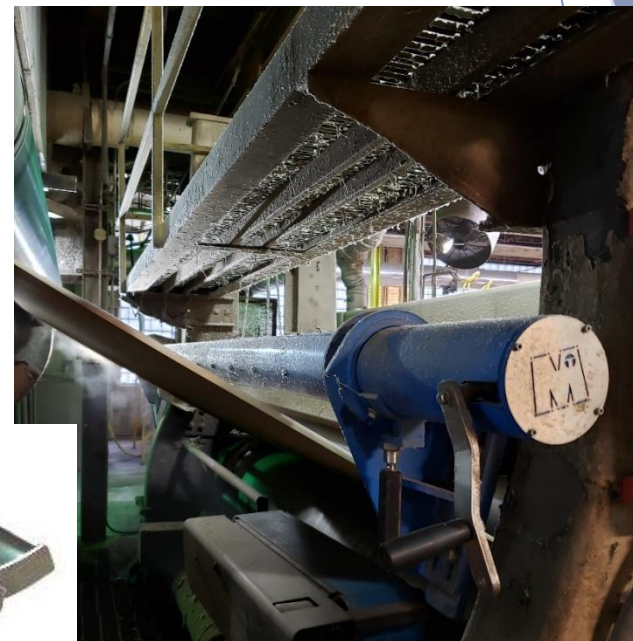




MANTECH

ADVANCED PAPER SYSTEMS



Mantech's Hands-free, Auto, P&P Tail Threading & Cutting Systems

Pulp & Paper Safety Association (PPSA)

New Technology Showcase (NTS)

2022 Annual Conference June 12-15, 2022, Ponte Vedra, FL

AGENDA

- ▶ Mantech Enterprises Inc. – *Who we are*
- ▶ Mantech's *Flagship* P&P Auto, Ropeless Tail Threading & Cutting Equipment:
 - ▶ CVC (Continuous Vacuum Conveyor)
 - ▶ SGC ('Super' Guillotine Cutter)
 - ▶ Tail Cutters
 - ▶ Upgraded Diagnostics and HMI
- ▶ Q&A



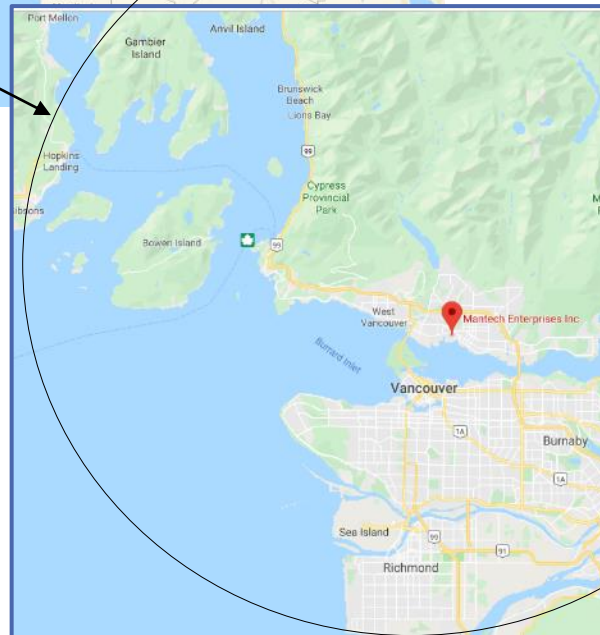
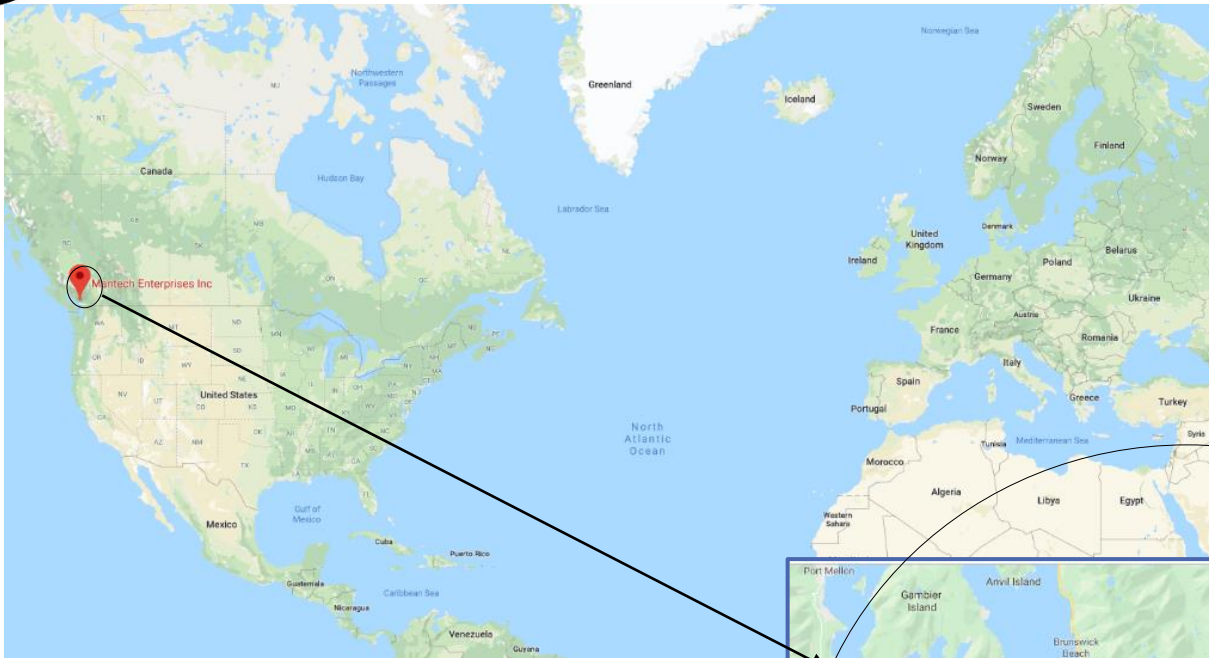
Keep hands safely out of P&P Machines!





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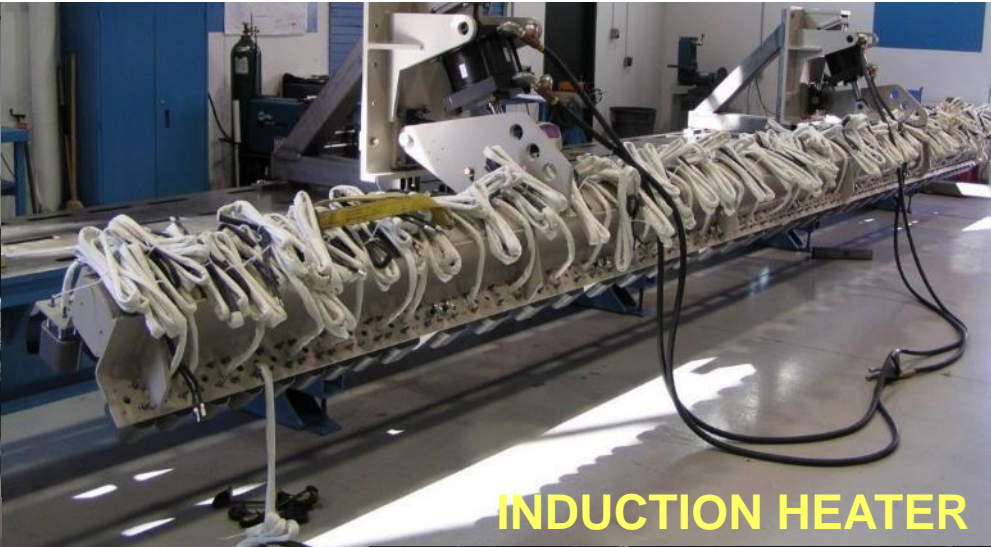
Where We Are - Since 1995



Custom Manufacturing - Pulp & Paper/ General Industry



STEAM BOX



INDUCTION HEATER



AIR/WATER PROFILER



CAMERAS



COVERS



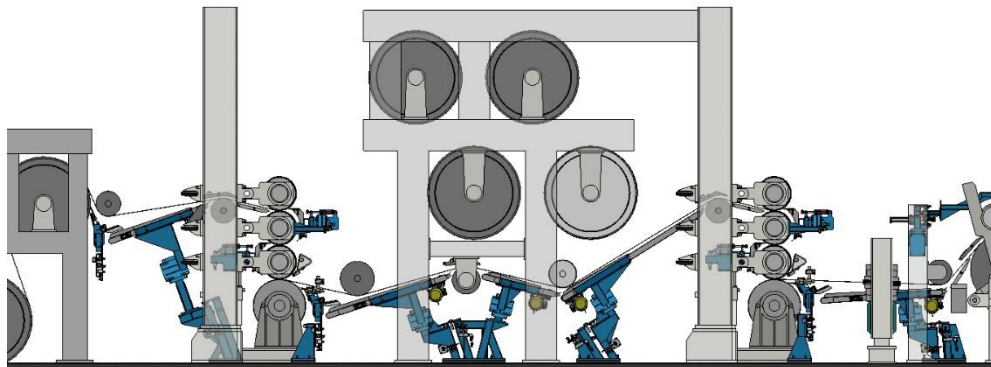
ACTUATORS



Threading Systems - *Products & Services*

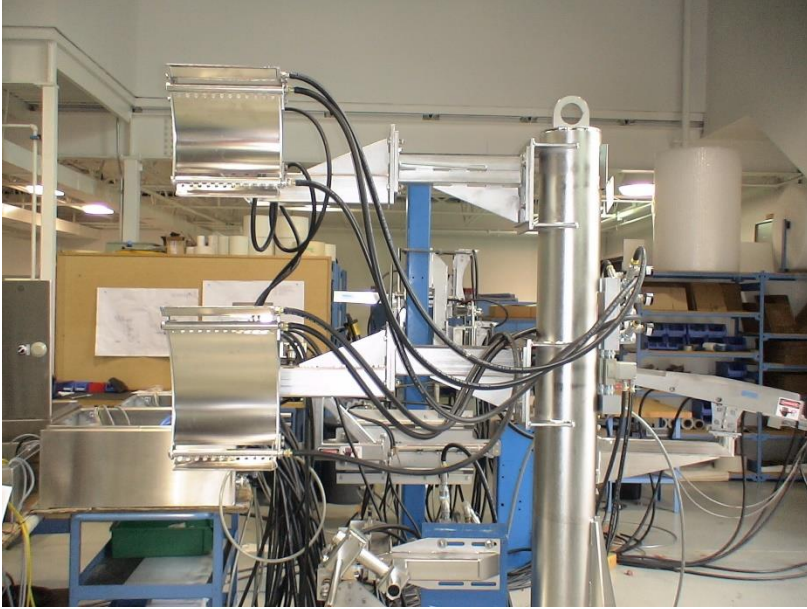
***All* P&P Machine Brands and *All* Grades & Speeds**

- ▶ **New** auto-threading systems
- ▶ **Replace** old/ineffective threading systems
- ▶ **Modify/upgrade** existing threading & cutting systems
- ▶ Assist with **installation & start-up**
- ▶ Operating **manual**, site **training**
- ▶ **Technical Service Visits:**
 - ▶ Troubleshooting
 - ▶ Emergency Assistance
- ▶ **Spare Parts**



Mantech Manufacturing & Assembly Shop

(Threading Equipment Testing)



Advanced Paper System (APS) Products

▶ Threading Systems

- ▶ Continuous Vacuum Conveyor (CVC), Tail Breakers (SGC, SBB), Felt/Edge Doctor Assemblies, Air Foils, Air jets

▶ Tail Cutters

- ▶ L & H Pressure Water Jet, Fixed Blade Knife, Rotary Blade, Manual

▶ Rope Diverters

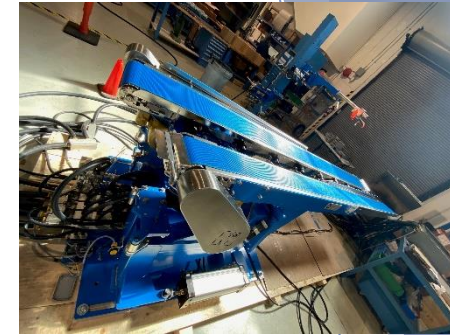
- ▶ Applications: Scanner, Edge Marker, Size Press

▶ Sheet Breakers

- ▶ Lightweight to Heavy Board

▶ CE Certified Systems & Controls

- ▶ Upgraded CompactLogix (vs MicroLogix) & Diagnostics Pkg and HMI (vs old Push-Button Station), Pneumatic/Control & Drive Panels





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Mantech Clients – OEM's & Major Mill Groups from around the World



Technocell



Graphic Packaging
INTERNATIONAL



JAMES CROPPER
EST. 1845



JK PAPER LTD.

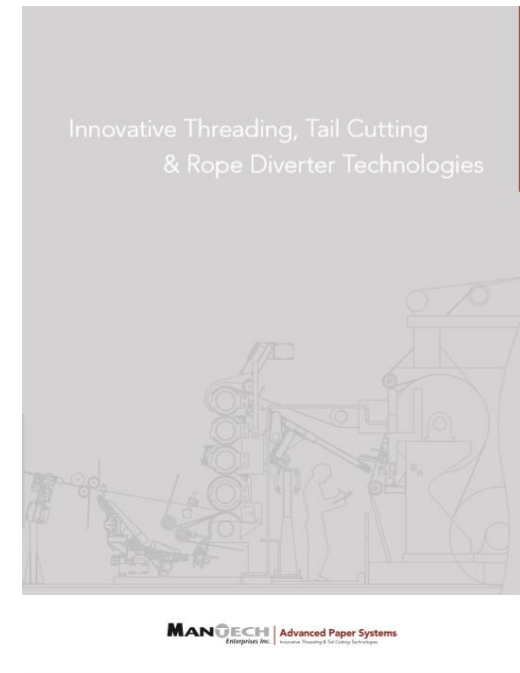
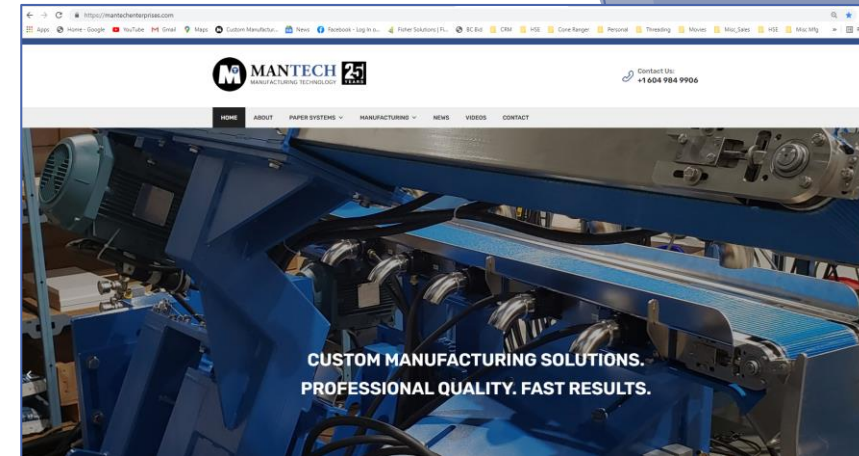


GOROSTIDI
advancing technology



For More Information...

<http://www.mantechenterprises.com/>



Brochures, References, & more..

*Mantech is one of the
'Big 3'
in ropeless threading!*

Why do P&P mills call
Mantech about threading?

- after an accident or near-miss!
- after senior operator(s) retire
- to improve safety/upgrade old eqt
- to improve *ease* of operation
- reduce thread-up time/ downtime
- *safe, easy, fast & reliable!*

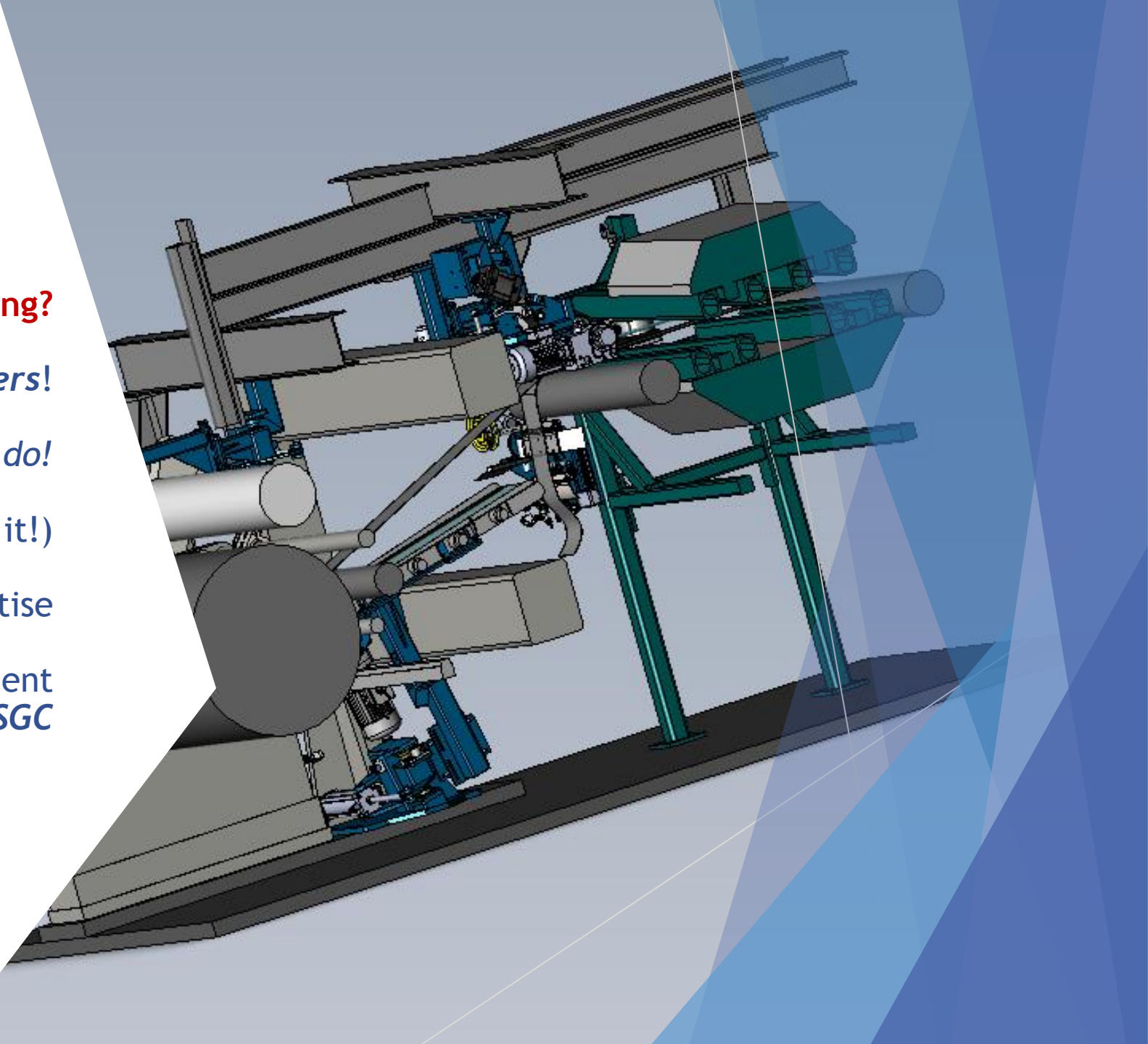




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Why choose Mantech threading?

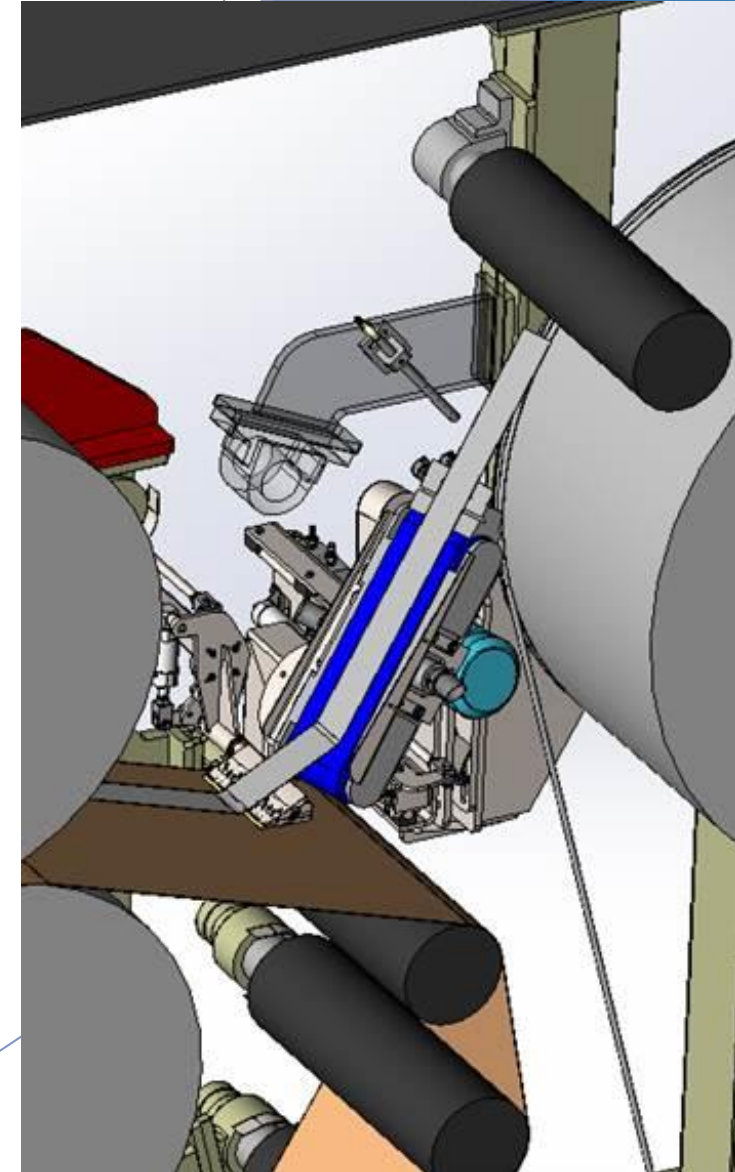
- We're ropeless threading *pioneers!*
 - *Threading is all we do!*
- *Robust* equipment (you can see it!)
 - *Technical Service* expertise
- Our flagship equipment
 - *CVC / SGC*





Mantech Threading Equipment: description, photos and video clips

Video: Sample of pivoting CVC Threading Board from Size Press into Ropes



Sample Video: Threading Dryer to Calender & Calender Threading





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Sample video: Pulp tail breaking & transfer



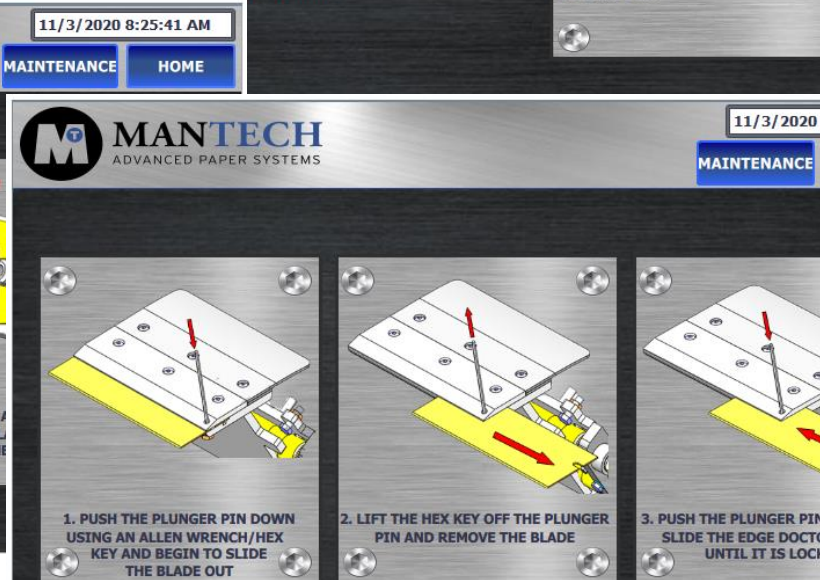
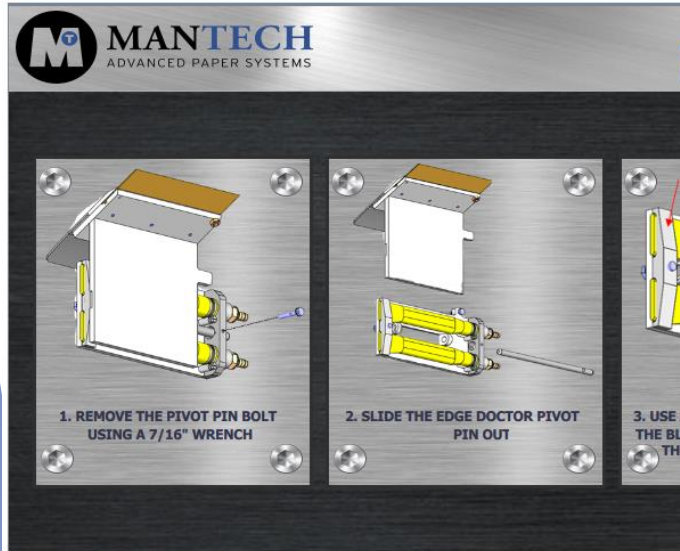
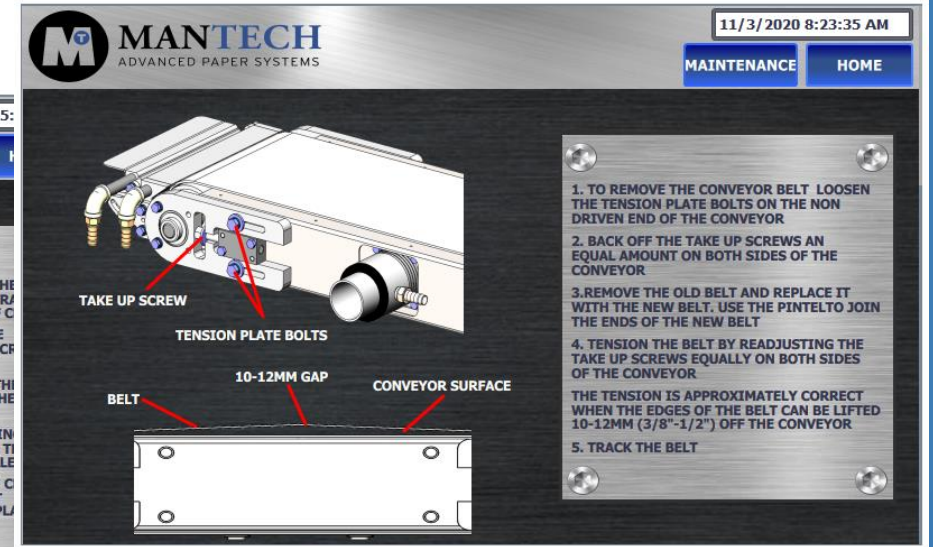
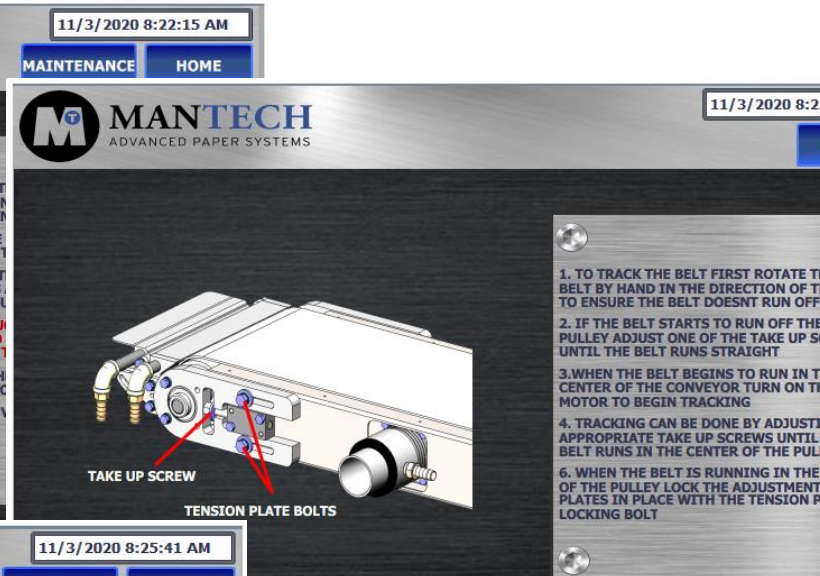
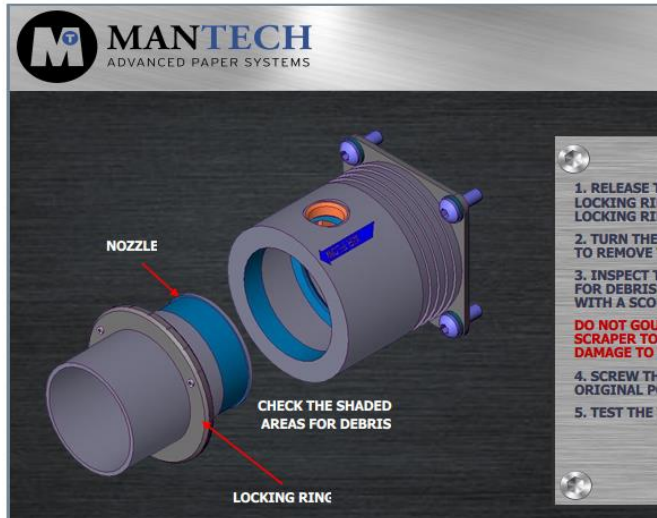




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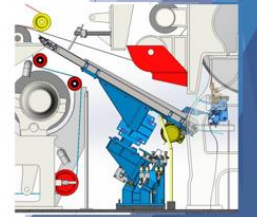
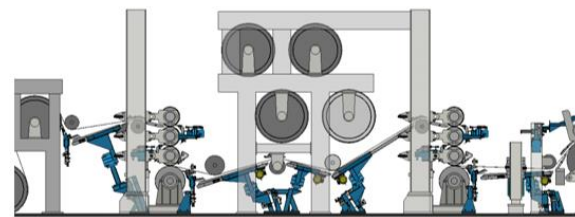
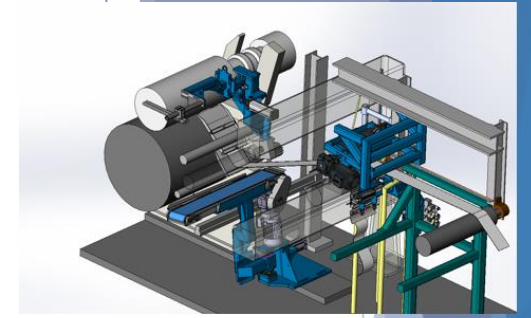
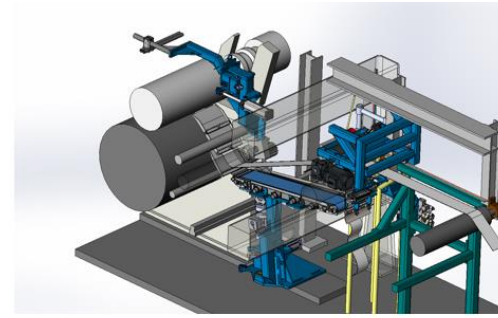
ADVANCED PAPER SYSTEMS

Sample HMI Screens



In Conclusion... Mantech's innovative P&P machine threading & cutting systems **safely** keep mill operator hands away from dangerous pulleys, ropes, & rolls! (And they do it faster and more reliably than competitors/manual, too!)







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