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Textile Manufacturing & Machinery: Motor Control Retrofits

by John N. McMurray
Sales Engineer

Over the past year, the Carotron Systems Integration Group has designed, built, installed, and commissioned a number of control systems for new and used web handling machines, with an emphasis on Inspection Frames. Particularly in the area of technical textiles, the need for precision web handling is critical. Quality control for the safety and durability of finished products depends largely on care taken in the manufacture of each component part.

Systems range from simple to complex. From a basic pneumatic brake letoff stand and single-drive bed roll rewinder to a sophisticated range with driven single or dual supply rolls, entry accumulator, printing station, pad coater, tenter rail synchronization & digital draw ratio control, hot air oven or steam can dryer array, exit accumulator, and precision dual-driven-roll surface takeup that defines final packing ratio, Carotron has provided successful, cost-effective control solutions.

In addition to Process Control, we offer a wide range of operational automation features and machine production data reporting. Menus in the HMI allow operators to select a large number of parameter presets for particular style numbers. This saves time and minimizes data entry errors. Periodic reports are generated automatically and sent over the local plant intranet to designated computers. A range of Caution and Alarm Limits can be programmed to anticipate problems before they create scrap. All of these features minimize costs and maximize productivity.

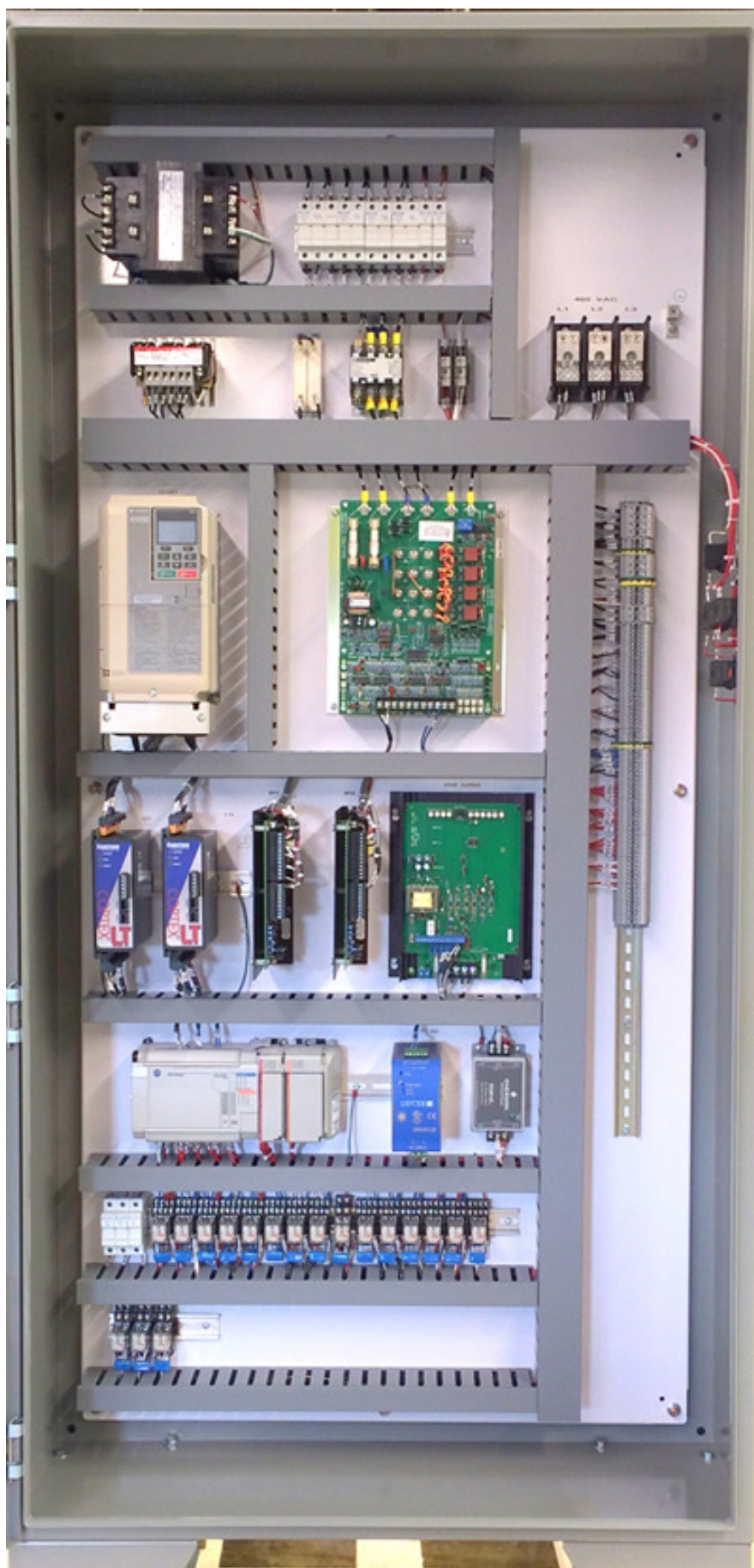
Most of the reclaimed equipment is either from idled domestic mills or from machines returned from overseas to, once again, be used to provide Made in USA jobs! This is American quality at work.

Let Carotron Drive Your Business toward greater productivity and increased profits. Give us a call to schedule a visit for one of our Engineers to evaluate your custom needs.

We welcome the opportunity to serve you! Call if you need help in any of these areas:

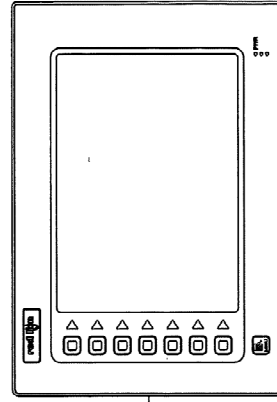
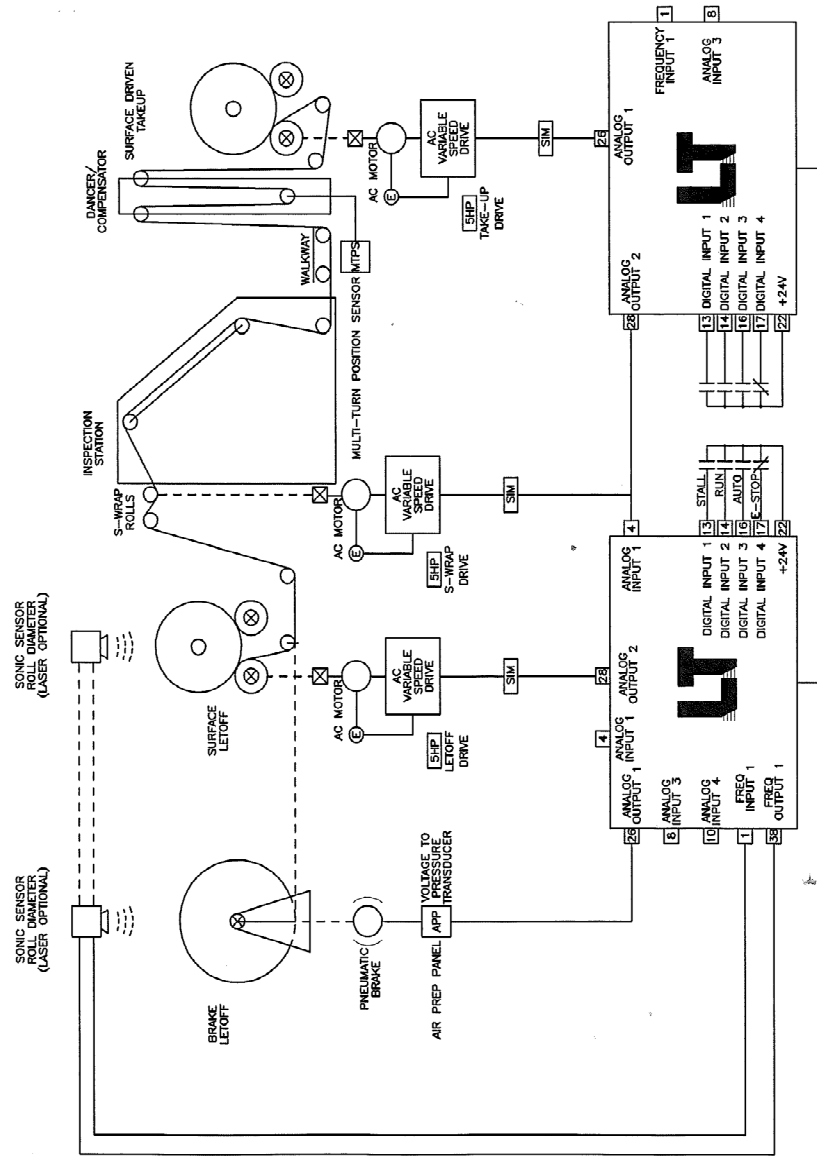
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|--|---|
| -- Textile machinery | -- Non-woven web handling |
| -- Web handling | -- Automation |
| -- Precision web tension | -- Controls and retrofits |
| -- Textile range drives | -- Textile production |
| -- Drive retrofits | -- Textile processing |
| -- Production process reporting | -- Textiles equipment and manufacturing |
| -- Technical textile industry controls | -- Process monitoring |
| -- Squirrel cage induction motor | -- Tension control |
| -- Textile processing machinery | -- Dancer/accumulator/compensator pots |

“Let Carotron Drive Your Business”





- ### Standard Features - Control & Process Monitoring
- Precise speed control
 - Controlled acceleration & deceleration
 - Forward & Reverse JOG
 - Precise Tension Control
 - Drive Choices: AC, DC, Pneumatic Brake Leflof
 - Tension Measurement Load Cell, Dancer, Diameter/Torque
 - Use existing motors w/ new drives
 - HMI Touch Screen for Menus & Process Monitoring
 - Cut-to-Length Batching
 - Interface with metal & defect monitors, vision systems
 - Automatic reporting to local PC's
 - Process Parameters out-of-tolerance alerts
 - Complete System Integration by Caratron
- Let CAROTRON Drive Your Control Retrofit Projects**



ISSUED BY JNMC OFFICE IN AMSTERDAM	DATE 02-07-16 TIME 	CAROTRON <i>Drives by Resonance</i> 10000 PLEINEN, 2C P.O. BOX 2000-0005 1000 CA AMSTERDAM, THE NETHERLANDS	TITLE CAROTRON ENGINEERED INSPECTION FRAME CONTROLS RETROFIT	REV. 0	SHEET 1 OF 1
DRAWING NO. XXXXXXXX		REVISION NUMBER XXXXXXXX			