



essex inc.

TUFTING AUTOMATION PRODUCTS

YARN MANAGEMENT SYSTEMS:

- FIBER OPTIC YARN BREAK DETECTION
- ZERO MEND SYSTEM (US PATENT #7204137)
- TIGHT END DETECTION
- NEW DIMENSION TIGHT END DETECTION
- SERVO MOTOR RETROFIT AND CONTROL FOR YARN FEED SYSTEMS

CARPET INSPECTION SYSTEMS:

- VIDEO MONITORING
- DIGITAL CAMERA INSPECTION
- ILLUMINADA MEND DETECTION

MANAGEMENT AND INFORMATION SYSTEMS:

- SMART TUFTING MANAGEMENT – AUTOMATIC DATA GATHERING AND ANALYSIS
- THE WIRELESS FACTORY
- RFID INVENTORY CONTROL
- SERVO MOTOR CONTROL

WEB GUIDING AND HANDLING SYSTEMS:

- PNEUMATIC BACKING LIFTING DEVICE WITH PASSIVE LET-OFF
- TENSIONLESS BACKING SYSTEM WITH DRIVEN LET-OFF
- AUTOMATIC BACKING GUIDING FROM LET-OFF TO PIN ROLL
- AUTOMATIC BACKING TENSION CONTROL AND ADJUSTMENT
- WEB ALIGNER SYSTEM WITH CONTINUOUS BACKING CHANGE
- BACKING-OUT AND ALARM
- BACKING CHANGE ALERT
- AUTOMATIC CARPET ROLL-UP
- MEND LOCATOR AND POSITIONER
- SERVO MOTOR RETROFIT AND CONTROL – BOTH YARN AND BACKING FEED
- DUAL DIGITAL DISPLAY PRODUCTION COUNTER

Corporate Office
PO Box 20784
Winston Salem, NC 27120
Phone: 336-761-1112
Fax: 336-499-6237
E-mail: solutions@essexinc.net

Dalton Service Center
2450 Lakeland Road
Dalton, GA 30721
Phone: 706-275-0114
Fax: 706-275-0151
E-mail: essexinc@alltel.net

essex inc.

ILLUMINATION SYSTEMS:

- LED UNDERCARRIAGE LIGHTING
- ILLUMA-LUX NEEDLE BAR LIGHTING
- ILLUMINADA MEND DETECTION
- PATTERN PERFECT CREEL LIGHTING

WIRELESS COMMUNICATION SYSTEMS:

- WIRELESS FACTORY / SMART DATA GATHERING
- SERVO MOTOR RETROFIT CONTROLS
- BLUETOOTH MACHINE TO OPERATOR COMMUNICATION
- MOTOR VIBRATION MONITOR
- RFID INVENTORY SYSTEMS

HUMAN SAFETY SYSTEMS:

- LIGHT CURTAIN SAFETY MODULES
- SINGLE SENSOR MODULES
- PERIMETER SAFETY SYSTEMS
- CIRCUMFERENCE MODULES

WARPER SYSTEMS:

- FIBER OPTIC YARN BREAK DETECTION
- SINGLE END YARN BREAK DETECTION
- TIGHT END DETECTION
- SMART WARPER MANAGEMENT SYSTEM
- SAFETY PERIMETER SYSTEM
- DIGITAL PRODUCTION COUNTER
- PATTERN PERFECT CREEL LIGHTING

CONSUMMABLE SPARE PARTS:

- ORGAN NEEDLES
- NAKAGAWA CARBIDE LOOPERS
- YARN GUIDE PLATES – COATED AND UNCOATED
- PNEUMATIC VALVES – COBBLE AND YAMAGUCHI
- CERAMIC GUIDES

MISC SYSTEMS:

- PREVENTIVE MAINTENANCE PROGRAM
- SPIDER YARN PROCEDURES