



One Answer...  
Total Solutions

# F-2000 – Spandex Monitoring



**F-2000 Controller  
Infrared Defect Scan  
Yarn Rate Monitor**

## Spandex Control

The Spandex Monitoring Function of the F-2000 Controller/Defect Scanner can monitor one or two separate levels of Spandex Feeders. This provides continuous control of material usage, in addition to four levels of hard yarns.

During machine set-up, Spandex elongation can also be measured via a Spandex E-100 Sensor, which plugs into an additional port on the F-1000 terminal. The Sensor can be maneuvered from machine to machine for new style set-ups, or on a periodic basis for routine quality checks.

Future F-2000 upgrades are available to you with the MKMS package or total KnitTrac Control, which incorporates auto scheduling, and business intelligence capabilities. Presented below is an overview of the MKMS System, including all aspects of functionality.

## Matrix Knit Monitoring System (MKMS) Functionality Includes:

### Potential Savings/Profit

Defect Scan: Reduced Waste: (\$2,000/mach./yr.)  
Yarn Rate Monitoring: \$2,500/mach./yr.  
Improved Yarn Quality: \$650/mach./yr.  
Decreased Downtime: \$1,500/mach./yr.  
Labor Reductions and Speed Increases  
Improved Quality: ↑Clients > ↑Orders > ↑Output

### Automatic Data Acquisition (AUTODA) includes:

Machine Status-18 Variable Reporting  
Style Data-6 Variable Reporting  
Piece Data-5 Variable Reporting  
Shift Data-5 Variable Reporting

### Monitor Controller: Infrared Scan/(F-2000)

Detected Defect Roll Mapping  
Automatic Oil and Air Control: ↓Usage/↓Defects  
Roll Weight Control

**In Combination** with Scheduling and Business Intelligence, Continuously Modifies Production and Output, ie.--mach.1 ↓ → →mach.2 output goes ↑

**Real Time PC Displays** Provide Status and View of All Machines on the Plant Floor-Data Includes:

Generated Reports from AUTODA Data  
Creation of Style Databases and Download of Styles  
Knitter Set Assignment, with Knitter and Mechanic Logging and Scheduling

**Continuous Yarn Rate Measurement--**  
Eliminates Yield Variations/Periodic Audits

**Provision of Early Warning** if Preventative Maintenance is not performed on time