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Item # SK500/600, SK500/600 Process Monitoring System

Superflex Sensors fit into an 8mm hole and can be manually adjusted to pick up the best signal. They can also be easily removed and replaced if need be.

Diskflex sensors are significantly less expensive than the Superflex sensors and are epoxied into areas for best signal pickup. They have been used in wedges, backing plates, stripper plates and even embedded into tool holders. Many sizes are available from 8.9mm to 50mm.

FOXMATIC MONITORING TECHNIQUE reacts to even the smallest changes in force signals. It works independently within envelope limits while its automatic drift compensation avoids undesired nuisance machine stops. It is applicable to cold formers and thread rollers and offers reliable fault detection for even the smallest errors (i.e. cracked heads). Foxmatic is the perfect complement to the proven Mandonic auto envelope technique

Specifications

Width without Yoke	290 mm
Height without Yoke	240 mm
Depth without Yoke	115 mm
Data Ports	2xUSB Ethernet serial RS-232 Teleservice Teleservice
Modular Software	Y
On Board PC	Y
Digital Inputs	5
Digital Output	5
Sensor Inputs	Up to 16
Monitor	10.4 inch (in) TFT color touch-screen

DC Supply Voltage	24 V
Supply Power	60 W
Weight	7 kg 12 kg
Mounting Options	Floor pedestal Panel mount Swivel Yoke
Monitoring Functions	Absolute force measurement Analyzes process stability and monitoring quality Continuously evaluates process stability and monitoring quality DMA or DMI-die set up assistant (Die Match - Automatic or Manual) for thread rollers Machine loading profile Machine performance and error memory Mandon® reporting system Mandon®-Technology Mandonic auto enveloping system M-Apps machine analysis New intelligent auto start feature after machine stop Part data memory Press set-up assistance SKPuzzlemaster monitoring programs for specific error detection Tool protection Trending stop/go chart
Technical Features	Data networking option EMR-proof, ergonomically designed flat enclosure, Fanless PC with Windows XP- Embedded and CF-Memory Part counters for job size, tool life, Unattended production runs with Eco-Stop and SPC intervals SKTelemaster for remote service Sorting and batching logic
Technical Data	Crank angle decoder option Data back-up (network or USB) High output digital signal amps Powerful digital signal analysis processor
	BDE Outputs including cycle and good part pulses Cockpit Dashboard with multifunction displays Digital In/Out Logic Foxmatic Monitoring: New technique to monitor within the envelopes.

Features

Mandon Technology - Suggests operational improvements to the operator
Mandonic Auto-Enveloping
M-Apps - Machine Productivity Analysis
Multiple Counters
Optional feature for specific user needs
PC-Based System
Press Frame Monitoring
Production Monitoring Option
RFID User Access
Simple to Operate

Applications

Metal forming machines
Stamping

In-Tool Force Monitoring Detects

Broken Stripper Plates
Cracked Dies
Forming Defects
Loose Tooling
Punch Breakage
Rising/Pulled Slugs
Scrap Build-up
Small Chips
Transfer Issues
Worn Tooling