

**Mandonic** Auto-Enveloping

**Foxmatic Monitoring**

New technique to monitor within the envelopes.

**M-Apps** - Machine Productivity Analysis

Cockpit Dashboard

Mandon Technology - Suggests operational improvements to the operator

RFID User Access

10.4"/15" Color Touch Screen

Up to 16 hardware channels

BDE Outputs including cycle and good part pulses

Multiple Counters

PC-Based System

Optional feature for specific user needs

Simple to Operate

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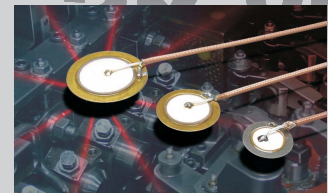
Website: [impaxptg.com](http://impaxptg.com)



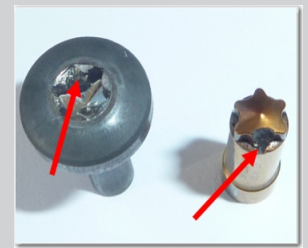
**SK 500/800**



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.

# SK 500/800

## Monitoring Functions

- **Foxmatic** Advanced Analysis Technique
- New intelligent auto start feature after machine stop
- Continuously evaluates process stability and monitoring quality
- **DMA** or **DMI**-die set up assistant (Die Match - Automatic or Manual) for thread rollers
- Press set-up assistance
- Absolute force measurement
- Machine loading profile
- Trending stop/go chart
- Machine performance and error memory
- Part data memory
- **Mandon@**-Technology
- **M-Apps** machine analysis

## Technical Features

- 10.4"/15" TFT color touch screen
- Fanless PC with Windows XP-Embedded and CF-Memory
- EMR-proof, ergonomically designed flat enclosure,
- Numerous mounting options (yoke, swivel, floor pedestal, panel mount)
- Part counters for job size, tool life, unattended production runs with Eco-Stop and SPC intervals
- Sorting and batching logic
- Data networking option

## Technical Data

- Powerful digital signal analysis processor, up to 16 sensor inputs
- 5 digital outputs (incl. 4 relays)
- 5 digital inputs
- Crank angle decoder option
- Data ports: serial RS-232, Ethernet, 2xUSB, Teleservice
- RFID controlled (SK 800 only)
- Data back-up (network or USB)
- High output digital signal amps

Dimensions (without yoke):  
290 W x 240 H x 115 D (mm)  
SK 500/600

398 W x 331 H x 135 D (mm)  
SK 800

Supply: 24 VDC, 60W  
Weight: 7 kg/12 kg



Please note that some features are optional features even if not specifically mentioned. Modifications are without prior notice.

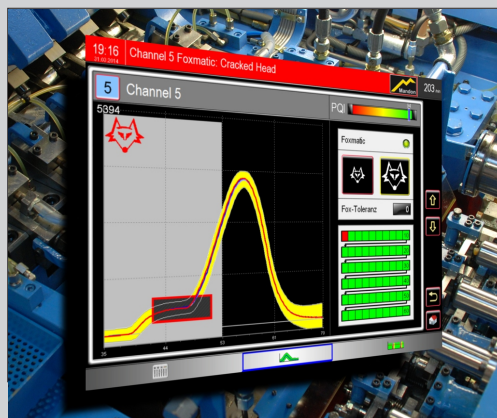
## Highlights



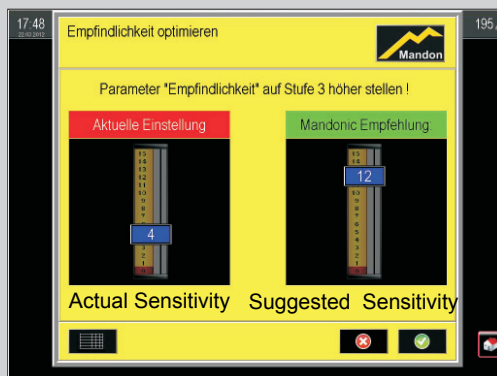
The **Cockpit-Operating-Screen** provides quick access to all important functions.

Horizontal and vertical navigation features and short cut buttons simplify operator navigation.

User access is controlled by RFID-key to avoid unauthorized alterations of parameters and settings.  
SK 800



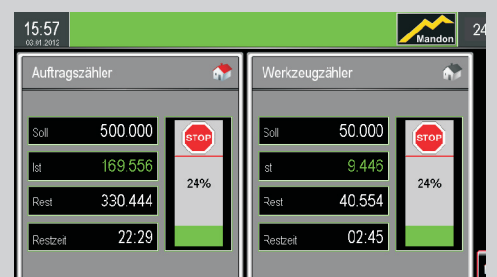
Foxmatic uses the latest pattern recognition procedures to detect random faults such as cracked heads. Based on its new drift compensation technique, Foxmatic recognizes the "fingerprint" of the error and can tell the difference between errors and normal process variation. Foxmatic reacts to even the smallest changes in the force signals and stops the machine. The error display offers a review of the last sixty (60) forming cycles.



Our unique **Mandon@**-system "talks" to the machine operator.

**Mandon@** is constantly thinking along with the process, gives timely warnings, provides intelligent remedies, and gives precise recommendations on how to improve machine productivity and product quality.

**Mandon@** is your productivity insurance!



Easy-to-set part counters are available for controlling:

- Order size
- Tool life
- Unattended production runs with ECO-Stop
- Batching unit
- SPC inspection intervals

All counters show preset quantity and current count. Machine stops when reaching preset counts