Integrated High Performance Sensor

Custom configured as an integral component of the machine

SenFit™ Custom Sensors

Opens new opportunities for dynamic force monitoring applications

Highly Sensitive
- Configurable force range determined by application
- Provides a high resolution signature for superior defect detection
- More sensitive than quartz or piezoelectric sensors

True "Plug and Play"
- The SenFit sensor can be designed as a substitute machine component
- Proven to be stable and reliable in challenging production environments

No More Shunting Effects
- Overcomes the limitations of conventional sensors including the condition of edge loading, overloading and shunting
- Shunting occurs when forces bypass (or are transferred in parallel to) the sensor and proceed into the base of the press.
- Shunting negatively impacts process monitor effectiveness and this is a risk when using mechanically mounted sensors

Developed & Patented by OES
- SenFit technology has been developed by OES
- SenFit sensors work exclusively with the ForceWorx and ForceCapture line of process monitors

Highlights
- High resolution
- Robust and reliable

www.oesttechnologies.com

Product specifications and related information subject to change without notice.
SenFit™ Custom Sensors

Applications

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<td>Stamping</td>
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<td>Mandrel Bending</td>
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Specifications:

- Sensitivity range: 2.2 to 22.0 mV/Kgf
- Measurement Range (compression): 226 to 2268 Kgf
- Absolute maximum force: 4536 Kg
- Frequency range: 10 KHz
- Non-Linearity: ≤ 1 % FS [1]
- Temperature Range (Operating): -10 to +60 °C
- Excitation Voltage: 20-30 VDC
- Constant Current Excitation: 2-20 mA
- Output Bias Voltage: 4-8 VDC
- Housing Material: 4140 Tool steel type
- Electrical Connector: SMB Coaxial Jack type
- Size: machine specific
- Weight: machine specific

About OES Technologies

Since 1979, OES has provided world-leading manufacturers with process monitoring and control solutions. OES’s powerful process monitor analysis technology is made available across the ForceCapture and ForceWorx product lines.

ISO 9001 2008
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