

# SENFIT SENSORS

For bench presses and automatic machines



SenFit Ram Adapter Models

Highly responsive sensors custom fit for even the most challenging crimp force monitoring applications

## Optimizes Crimp Force Monitor performance

### Highly Sensitive

- A versatile high performance sensor developed specifically for crimp force monitoring and is ideally suited for small gauge, low force crimping applications.
- Provides a high resolution crimp signature for superior defect detection
- More sensitive than quartz or piezoelectric sensors

### True "Plug and Play"

- The SenFit sensor is a complete substitute of the existing Ram Adapter in your press
- Proven to be stable and reliable in challenging production environments
- Exceeds the high level of performance expectations for crimp force monitoring.

### Ram Adapter Replacement

- Simply swap-out the existing Ram Adapter or (T-shank holder) for an identically shaped SenFit Ram Adapter
- The SenFit Ram Adapter detects the dynamic compression that is exerted through the Ram Adapter region, above the applicator tool, during the terminal crimping process

### No More Shunting Effects

- Overcomes the limitations of conventional sensors including the risk 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 crimp force monitor effectiveness

### Developed & Patented by OES

- SenFit technology has been developed by OES specifically to address the needs of the wire crimping industry
- SenFit sensors work exclusively with the ForceWorx and ForceView line of crimp force monitors

## SENFit

MODEL	APPLICATION	
SenFit Sensors	Bench Press Automatic Machine	
TECHNICAL 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
Temperature Range (Operating)	-10 to +60	°C
Excitation Voltage	20-30	VDC
Constant Current Excitation	2-20	mA
Output Bias Voltage	4-8	VDC
Electrical Connector	SMB Coaxial Jack	type
Size	machine specific	
Weight	machine specific	

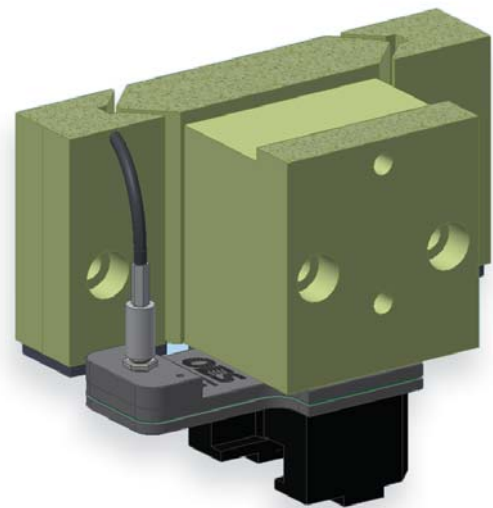
## SENFit

SenFit sensors interface exclusively with OES's crimp force monitors

### FORCEWorx™



### FORCEView™



### About OES Technologies

OES Technologies products and technologies are developed specifically for the wire processing industry to monitor and inspect 100% of parts produced during the manufacturing process, and prevent part defects from entering the supply chain. OES's dedication to innovation enables them to deliver a steady stream of cutting-edge technologies that meet the exacting demands of this ever-changing market.