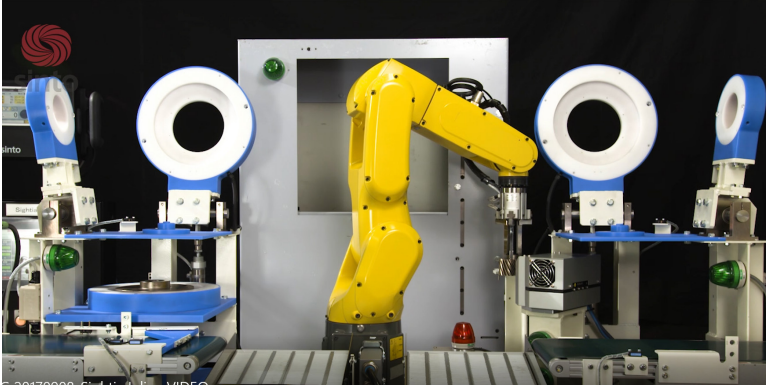




sinto

# SIGHTIA FEATURES



- Surface evaluation technology used after the blasting and peening process
- Fastest in the world, collect data with the PSMX-II and with the ECNI-I in only 10 seconds
- Applicable to various industries and offers total support for surface evaluation where high strength is required
- Validate residual stress values
- Nondestructive residual stress validation
- X-ray diffraction



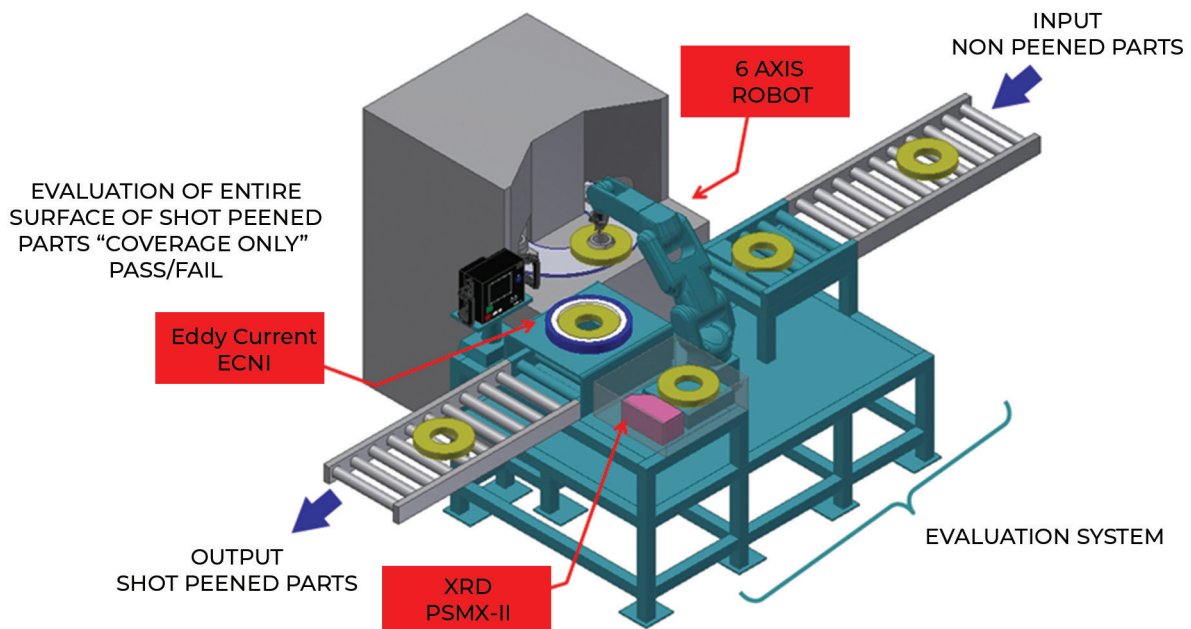
ECNI-I



PSMX-II

## SURFACE EVALUATION TECHNOLOGY

OFFERING IN-LINE USE OR EMBED INTO AN EXISTING CONVEYOR LINE



# SIGHTIA

## ECNI-1

Machine Description		ENCI-1
<b>Basic Specifications</b>		
Dimensions	14" x 6" x 8" (358mm x 147mm x 195mm)	
Weight	2 lbs. (3.0 kg)	
Power Supply	DC24V, 30W	
Interface	EXT I/O, SD memory card, RS232C	
Operating temperature and humidity range	0 - 40° C, 80% or less (non-condensing)	
Memory capacity for judgment conditions	100 patterns	
<b>Measurement</b>		
Measurement object	Material	Ferromagnetic material such as steel and nickel alloy
	Shape	Axially symmetric parts (a product of non-axially symmetrical parts requires two-axis positioning) *Probe is designed to fit the object to be measured, outer diameter: 20-25mm width: 20-60mm
Measurement time	Approx. 3 seconds	
<b>Main Options</b>		
AC adapter	AC 100 - 240V	
Storage case Dimensions	22" x 18" x 10" (560mm x 455mm x 265mm)	
Storage Case Weight	16.5 lbs (7.5kg)	
Interface cable	D-SUB 15-pin cable 15m (EXT I/O) D-SUB 9-pin cable 5m (RS232C)	

## PSMX-II

Machine Description		PSMX-II
<b>Basic Specifications</b>		
Installation	In-line installation:	
Sensor body	Dimensions	Standard type: 9" x 6" x 5" (231mm x 144.5mm x 118mm) High-power type: 13" x 5" x 5.5" (322mm x 130.5mm x 140mm)
	Weight	Standard type: 10 lbs. (Approx. 4.5kg) High-power type: 20 lbs. (Approx. 9.5kg)
Power supply unit	Dimensions	12 " x 12" x 7" (300mm x 302mm x 176mm)
	Weight	13 lbs. (Approx. 6kg)
<b>Measurement and analysis</b>		
Measurement item	Residual stress	
Measurement object	Iron (ferrite) *including interlocking PVC shield to fit measurement object	
Measurement time	Approx. 10 seconds (depending on the measurement object and specifications)	
X-ray tube	Standard type: Cr-Ka 30kV, 1.6mA 48W High-power type: Cr-Ka 30kV, 6.0mA 180W	
Distance from sample	Iron (ferrite) <1" (20 mm)	
Range of sample in Z axis	<.1" (0.2mm)	



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