

## FINDER



All Metal Concentration,  
or Target Wire,  
or Target Stainless Steel

FINDER Model	Working Width	Valve Type	Particle Size	Operating PSI	Valve Count	Nozzle Count	Targeting Resolution
FINDER 1200 Standard	48"	TS 1500	1/2" to 5"	115 to 140	96	192	1/2"
FINDER 1800 Standard	72"	TS 1500	1/2" to 5"	115 to 140	144	288	1/2"
FINDER 2400 Standard	96"	TS 1500	1/2" to 5"	115 to 140	192	384	1/2"
FINDER 1200 High Resolution	48"	TS 400	0" to 4"	45 to 115	192	192	1/4"
FINDER 1800 High Resolution	72"	TS 400	0" to 4"	45 to 115	288	288	1/4"
FINDER 2400 High Resolution	96"	TS 400	0" to 4"	45 to 115	384	384	1/4"

## Tandem FINDER



FINDER Model	Working Width	Valve Type	Particle Size	Operating PSI	Stage One		Stage Two		Targeting Resolution
					Valve Count	Nozzle Count	Valve Count	Nozzle Count	
Finder 1200 Tandem	48"	TS 400	0" to 4"	45 to 115	192	192	192	192	1/4"
Finder 1800 Tandem	72"	TS 400	0" to 4"	45 to 115	288	288	288	288	1/4"
Finder 2400 Tandem	96"	TS 400	0" to 4"	45 to 115	384	384	384	384	1/4"



ADVANCED TECHNOLOGY. PROVEN PERFORMANCE.



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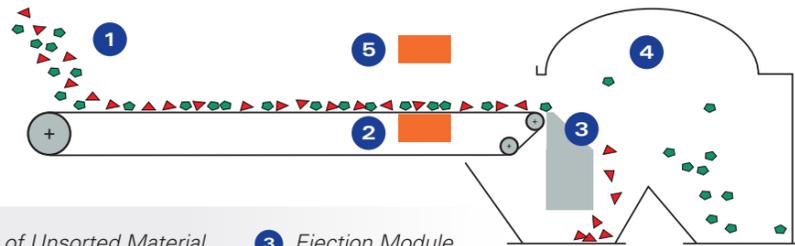
# FINDER

## Powerful Partnership

WENDT CORPORATION and TOMRA Sorting Solutions are leading the resource revolution with transformative technologies, innovative solutions, and optimized results. The FINDER is the most significant advancement in electromagnetic sensor technology since its creation and is a perfect example of our collaboration together. Each year WENDT and TOMRA make significant investments in R&D to extend existing technologies, develop new applications, and to maintain our leadership position in the industry.

## FINDER

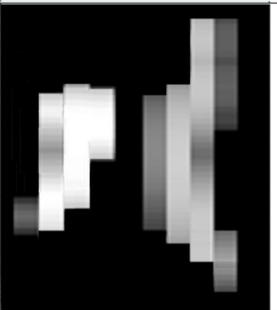
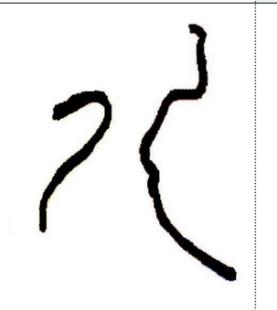
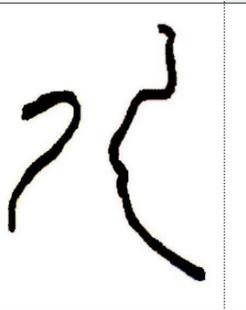
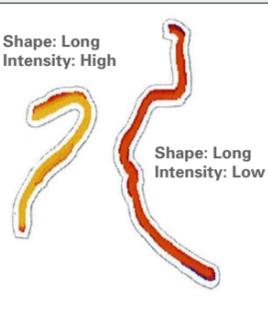
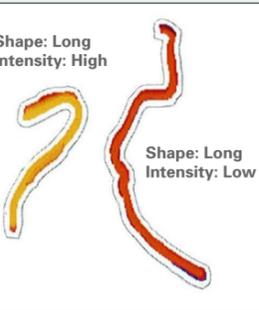
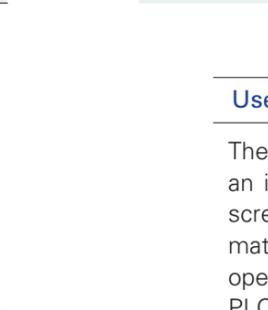
FINDER 4 introduces several new patented technologies, a new mechanical build, and new sorting applications that are unequalled by others.



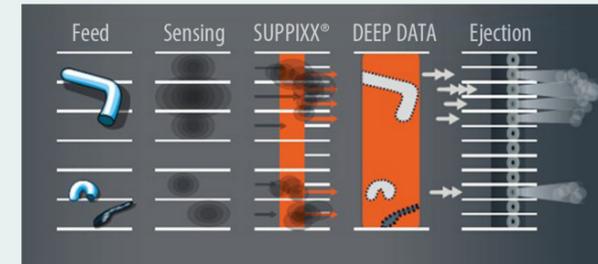
- 1 Feeding of Unsorted Material
- 2 Electromagnetic (EM) Sensor (Deep Data Technology)
- 3 Ejection Module
- 4 Sorting Chamber
- 5 Optional NIR Sensor for Polymer Recovery and Sorting

## Intelligent Object Recognition

Intelligent Object Recognition allows the FINDER the ability to detect complete objects and sort metal particles by shape, size, and signal intensity. New sorting tasks are now possible, such as targeting wire while suppressing stainless steel, creating a wire package with the lowest metals contamination compared to any competitive machine.

		FINDER 1 & 2 2001 Introduction 1-bit Sensor Binary Yes/No		FINDER 3 2009 Introduction 12-bit Sensor Suppixon® Imaging		FINDER 4 2014 Introduction 12-bit Sensor Suppixon® Imaging & Intelligent Object Recognition	
							
STAINLESS STEEL	COPPER	TARGET	TARGET	TARGET	TARGET	SUPPRESS	TARGET
		Large Signal Footprint with over sorting of waste		High Resolution Imaging with reduced over sorting of waste		Introduction of Advanced Metal Sorting with a FINDER	

## FINDER Features

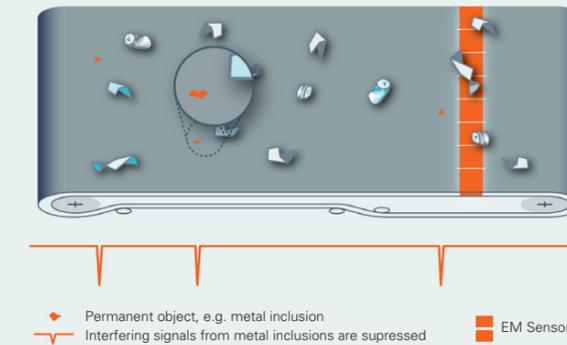


### DEEP DATA Technology

In addition to TOMRA Sorting's proven SUPPIXX® image-processing capability, the FINDER now adds DEEP DATA technology to go even further. Conductive particles down to the size of fine copper wire are detected by the 12-bit sensors. SUPPIXX® is then used to enhance the resolution of the digitized sensor signals. TOMRA Sorting's DEEP DATA technology further generates valuable information from the digitized sensor signals, creating a completely new level of processing quality and sorting accuracy.

### TS400 High Resolution Valves (Advantages over Industry Standard Valves)

- + Optimized for Wire Recovery
- + 4 Times Faster
- + 5 to 15% Cleaner Products
- + 20% CFM Savings
- + Highest Resolution Targeting in the Industry with 1:1 Valve to Nozzle Ratio on 1/4" Centers



### Adaptive Belt Calibration

The FINDER introduces a patented feature called Adaptive Belt Calibration. Repeating signals from metal embedded in the belt are automatically identified and suppressed within a few cycles of the belt. This allows the FINDER to run at full sensitivity, and suppress unwanted ejections. As a result, product purities are increased and FINDER belts will have longer useful lives.

### User Interface

The FINDER controls have been redesigned to create an intuitive user experience with a large color touch screen and easy adjustment of purity and recovery of materials. New statistical features allow for real-time operational reporting and communications with Plant PLC's on items such as Air Pressure, Valve Cycle Counts, and Metal Intensity, opening up significant systems integration opportunities. Communications with external servers via Open Process Control allow plant benchmarking and reporting.

