



INDUSTRIAL IOT CONNECTIVITY MADE SIMPLE

WIRELESS SOLUTIONS
BROCHURE



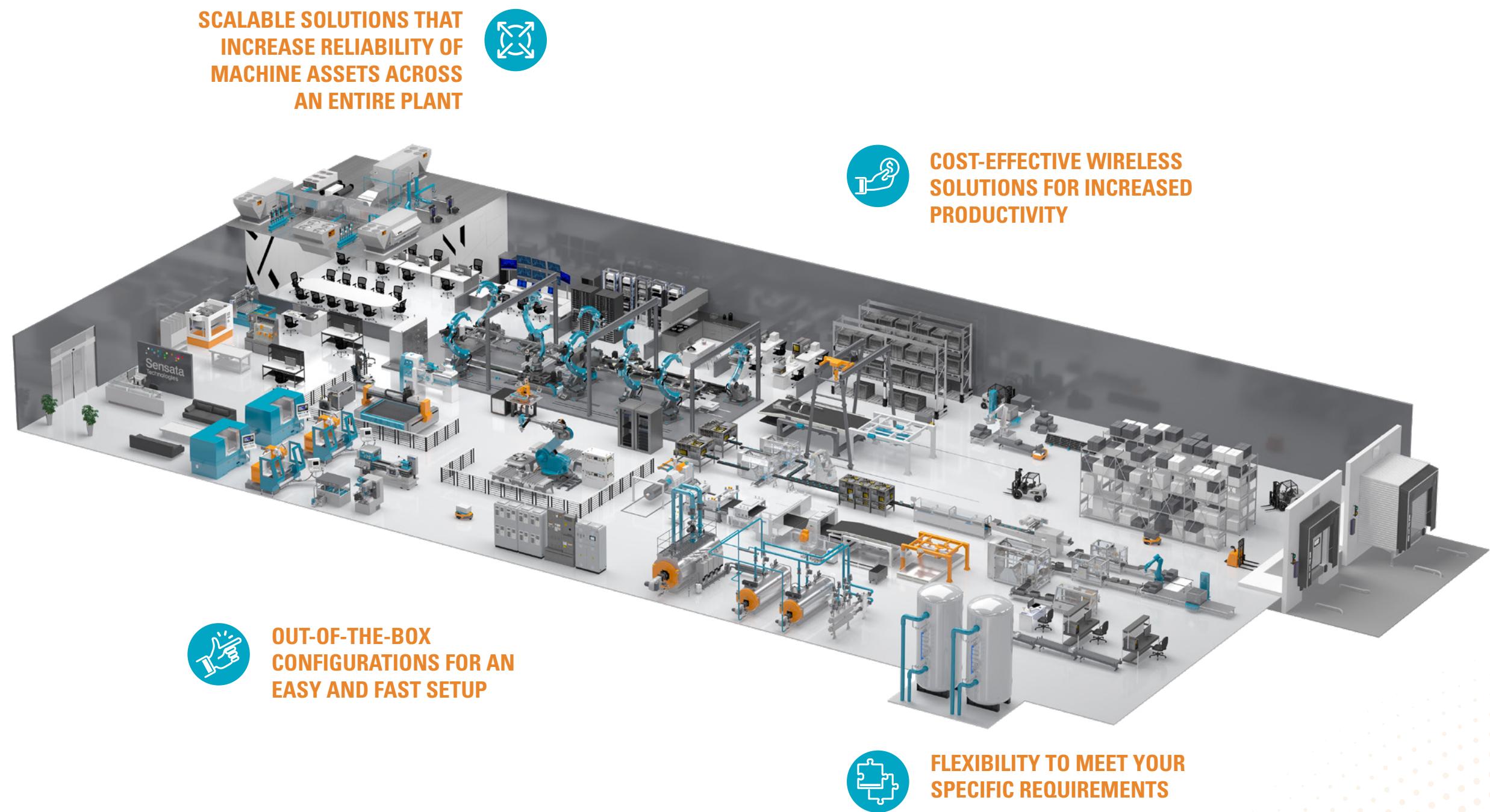
ENABLING INDUSTRY 4.0 THROUGH WIRELESS CONNECTIVITY

Replicating the accuracy, reliability, and durability of our established range of wired sensors, we offer a wide range of highly configurable wireless sensors used to measure pressure, temperature, digital status, and other application needs.

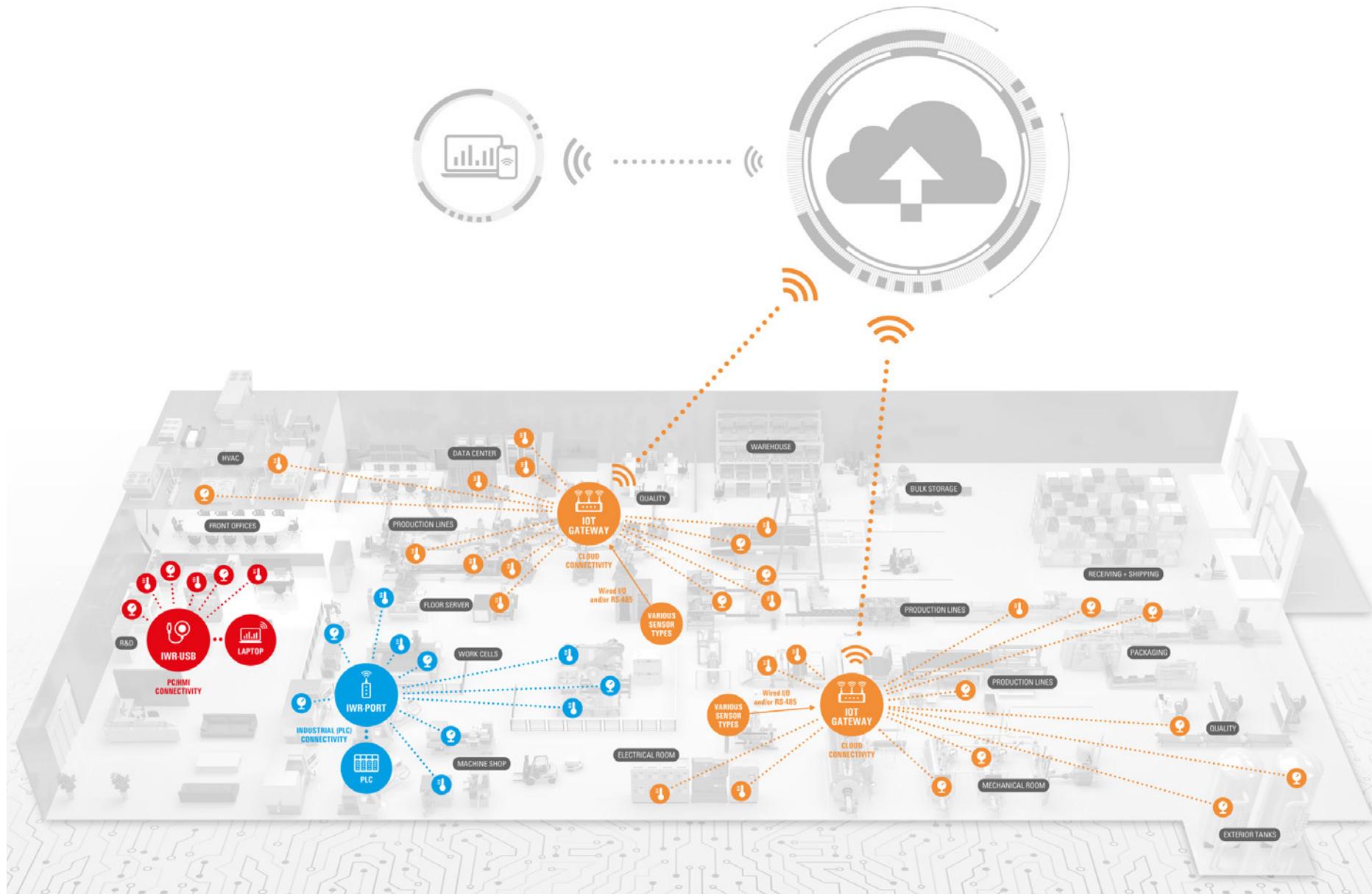
Connecting these sensors to Sensata's wireless communication devices, such as gateways and receivers, will permit machine and process insights to be derived from the sensor data and securely delivered to disparate automation systems or even the cloud.

The flexibility and adaptability of our wireless solutions provide manufacturers the means to easily configure and scale a network. This offering helps companies increase productivity and reach optimum levels of performance.

The breadth and configurability of our wireless systems eliminate the installation and maintenance costs associated with traditional wired systems. This benefit offers customers an easier way to add IOT connectivity to their equipment facilitating real-time asset monitoring - even from remote locations.



WIRELESS SYSTEMS, THE EASY AND COST-EFFECTIVE WAY TO ADD CONNECTIVITY TO INDUSTRIAL EQUIPMENT FOR INCREASED PRODUCTIVITY AND SAFETY



- LEVERAGE EXISTING INFRASTRUCTURE AND SCALE YOUR NETWORK AT YOUR OWN PACE

- MAXIMIZE PRODUCTION TIME BY ELIMINATING UNSCHEDULED DOWNTIME
- GET REAL-TIME INSIGHTS FROM ASSETS IN REMOTE OR HARD TO REACH LOCATIONS

PC/HMI CONNECTIVITY

The IWR-USB gateway provides a link between wireless sensors and any PC with a USB connection. A free of charge software package allows monitoring and logging of all the sensors in the wireless network via a standard PC.



Wireless pressure and temperature sensors

IWR-USB gateway

INDUSTRIAL (PLC) CONNECTIVITY

The IWR-PORT Ethernet gateway provides a link between wireless sensors and sensor networks and Industrial Ethernet or RS-232/485 networks. This system is compatible with most industrial PLC systems.



Wireless pressure and temperature sensors

IWR-PORT Ethernet gateway

CLOUD CONNECTIVITY

The IoT gateway allows virtually any sensor to be monitored from anywhere with an internet connection. This provides reliable and secure connectivity even in environments with obstructions, as well as fast and easy integration with wired or wireless devices.



Wireless pressure and temperature sensors



Various wired sensors with advanced communication protocols

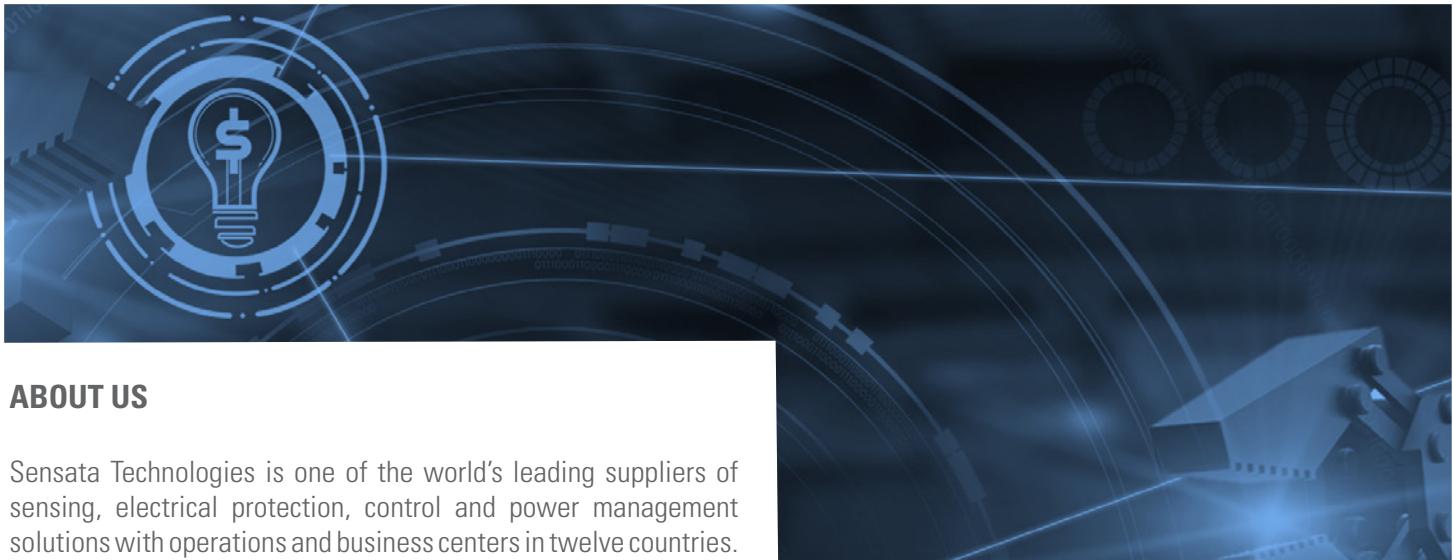


IoT gateway with cloud connectivity

INDUSTRIAL APPLICATIONS WIRED AND WIRELESS PRODUCT SELECTION GUIDE

	Pressure Sensors			Temperature Sensors	
	Analog	Digital	Wireless	Analog	Wireless
	PTE7100	PTE7300	IWPT	4000 / DARTs	IWTT
Pneumatics and hydraulics	•		•		•
Industrial air compressors	•	•	•	•	•
Boilers	•	•	•	•	•
HVAC systems	•	•	•	•	•
Pumps systems	•	•	•	•	•
Bulk storage/tanks	•	•	•	•	•
Data server rooms	•	•	•	•	•
Electrical room	•	•	•	•	•
Machine shop	•	•	•	•	•
Industrial printing machines	•	•	•	•	•
Conveyance systems	•	•		•	
Metal production	•	•	•	•	•
Food processing lines	•	•	•	•	•
Liquid management assets	•	•	•	•	•
Forklifts and reachtrucks	•	•	•	•	
Woodworking machines	•	•	•	•	•
Mobile boom cranes	•	•	•	•	•
Assembly equipment	•	•	•	•	•
Packaging and sorting	•	•	•	•	•

	Wireless Transmitters (must provide sensor input)				Gateways			Wireless Receivers
	Temperature	4-20 mA	Current Transformer	Digital	Cloud Connectivity	Industrial (PLC) Connectivity	PC/HMI Connectivity	
	IWTTx	IWMat	IWCTT	IWDigT	IoT Gateway	IWR-PORT	IWR-USB	
Pneumatics and hydraulics	•	•	•	•	•	•	•	•
Industrial air compressors	•	•	•	•	•	•	•	•
Boilers	•	•	•	•	•	•	•	•
HVAC systems	•	•	•	•	•	•	•	•
Pumps systems	•	•	•	•	•	•	•	•
Bulk storage/tanks	•	•	•	•	•	•	•	•
Data server rooms	•	•	•	•	•	•	•	•
Electrical room	•	•	•	•	•	•	•	•
Machine shop	•	•	•	•	•	•	•	•
Industrial printing machines	•	•	•	•	•	•	•	•
Conveyance systems	•	•		•	•			
Metal production	•	•	•	•	•	•	•	•
Food processing lines	•	•	•	•	•	•	•	•
Liquid management assets	•	•	•	•	•	•	•	•
Forklifts and reachtrucks	•	•	•	•	•	•	•	
Woodworking machines	•	•	•	•	•	•	•	•
Mobile boom cranes	•	•	•	•	•	•	•	•
Assembly equipment	•	•	•	•	•	•	•	•
Packaging and sorting	•	•	•	•	•	•	•	•



ABOUT US

Sensata Technologies is one of the world's leading suppliers of sensing, electrical protection, control and power management solutions with operations and business centers in twelve countries. Sensata's products improve safety, efficiency and comfort for millions of people every day in automotive, appliance, aircraft, industrial, military, heavy vehicle, heating, air-conditioning and ventilation, data, telecommunications, recreational vehicles and marine applications. For more information, please visit the Sensata website.

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