

DS-FLEX

Double Sheet Detection Solution

Latest innovation in detection technology.
Multi-channel, flexible Double Sheet
Detection System for Metal Forming.

**PRIME
CONTROLS**
Metal Sensing Solutions

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DS-FLEX

Double Sheet Detection Solution

Prime Controls introduces the latest in Double Sheet Detection innovations with the DS-FLEX Double Sheet Detection System. Leveraging the company's 30+ year history in double sheet detection, Prime Controls has produced the next evolution of double sheet detection.

The DS-FLEX is a multi-channel, flexible double sheet detection system, designed to efficiently detect double sheets of ferrous and non-ferrous metals. This versatile detector can sense both the presence or absence of metal and perform material gauging, all within a single system. Its flexible controller allows for multiple configurations, enabling it to operate two independent contacting probes, two pairs of non-contact pass-thru probes, or a combination of one contacting probe and one pass-thru probe set. With the DS-FLEX, users can streamline their detection processes and enhance operational efficiency, making it an essential tool for various industrial applications.

MAINTENANCE/ASSISTANCE

SET UP ASSISTANCE/INSTALLATION SUPPORT

Our service team offers in-person setup assistance for our DS-FLEX system. The service team helps with system setup, configuration, and installation support, ensuring your system is up and running correctly and efficiently.

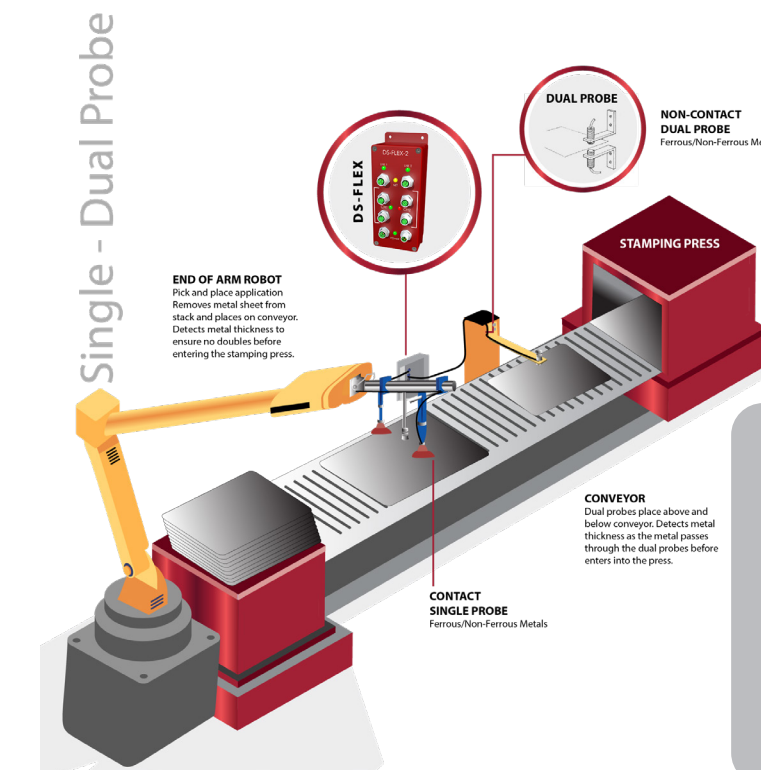
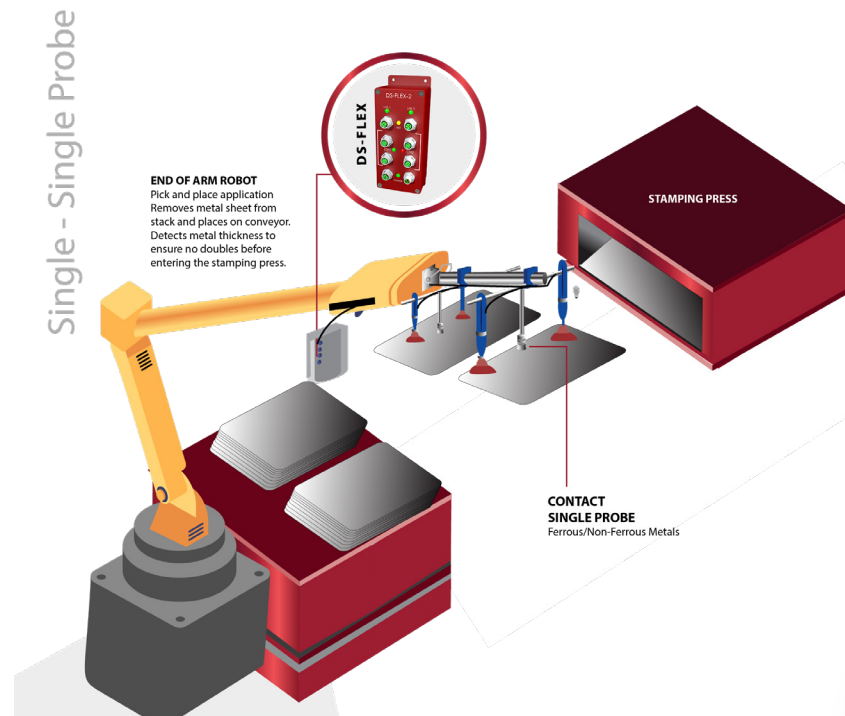
TRAINING

Training is recommended for all users who will be working with your system. Basic and Advance training sessions are available to ensure all users are up-to-date on the operations of your system.

FEATURES AND BENEFITS

- Multi-channel, flexible system detecting ferrous and non-ferrous metals
- Detects over/nominal/under material thickness within single system
- Multiple configurations: two independent contacting probes, two pairs of non-contacting pass-thru probes, or combination of one contacting probe and one pass-thru probe set
- User interface via HMI, compatible with all PLC interfaces, fully configurable via EthernetIP
- Compatible with magnetic conveyors used to move parts; immune to conveyor noise - no interference with detection reading
- Measures a part in 100 milliseconds or less, continuously, or when triggered
- Calibration memory up to 256 recipes
- Small, compact, and light enclosure; washdown safe, IP67-rated, shock and vibration rated
- Flexible mounting options
- High-flex interconnect cables up to 15 meters
- Daisy chain multiple controllers together

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Dimensions:
3.00 (76.2) L x 2.45 (62.3) W x 8.25 (209.6) H
Weight: 850g

PROBE DETECTION RANGE

SINGLE PROBE

Probe	Metal Type	Detection Ranges
PE36FN	Ferrous	0.254mm-3.048mm
PE36FN	Aluminum	0.0254mm-3.81mm
PE36FN	Stainless Steel	0.0254mm-4.19mm
PE42FN	Ferrous	0.254mm-4.318mm
PE42FN	Aluminum	0.0254mm-3.81mm
PE42FN	Stainless Steel	0.0254mm-4.19mm

DUAL PROBE

Probe	Detection Ranges
P70T30S-A / P1000BC	.050mm-7.5mm

BUILD THE COMPLETE SYSTEM
TODAY AT PRIMECONTROLS.COM.

The background is a solid dark red color. It features several large, white, curved graphic elements. In the top right, there is a thick white arc that curves downwards and to the left, with a thin white line extending from its end. In the bottom left, there is a similar thick white arc curving upwards and to the right, also with a thin white line extending from its end. The text is centered in the middle of the page.

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