

DSD – Automatic Double Sheet Detection





DSD - Automatic

The highly advanced Double Sheet Detector will detect double sheets of any kind. The system is prepared for different detection methods by use of different sensor types. The detection can be done by one of the sensor types or the sensors in combination. The detection system will automatically adapt to new products when changing batch. This requires batches of minimum 2 PCBs.

Actual sensor readings of copper thickness, measured dimension or ultrasonic OK/Not OK are shown in the display of the operator interface. Last 8 readings are stored and can be viewed.

Tolerances for measurements are preset manually in the operator interface.

Features

- Automatic change of settings
- PLC control & SMEMA interface
- Acoustic alarm
- Red light alarm
- Stand alone unit – easy to fit on the line

Options

- Optical sensors
- Ultrasonic sensors
- Copper thickness sensors
- Combination of above
- Encoder input

Specifications for DSD – Automatic

Boards / Sheets		Conveyor Mounted		Control	
Length	150 - 1200 mm	Speed	Max. 20 m/min	Main supply	100-230 VAC
Copper thickness	10 µm - 70 µm				50 – 60 Hz
				Consumption	15 W
				PLC	OMRON
				Operator interface	Mitsubishi
Individual specifications		Size		Machinery	
Dimension, L x W x H [mm]		270 x 160 x 120		Frame: ITEM aluminium profile system.	
Weight [kg]		5			