The Printing World Sensation

ULTRA ACE

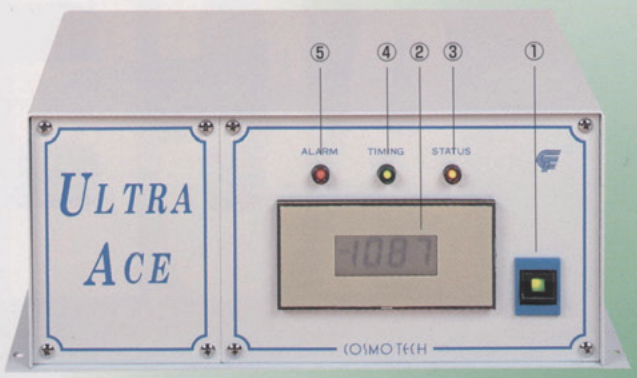
Patent Pending
The Ultra Sonic Double Sheet Feed Sensor

The printing industry has noticed a shift in the mainstream from phototube to the ultra sonic method for detecting double sheet feed. The ultra sonic method can detect a variety of sheet types that the phototube is unable to detect. Cosmotech continues to update and upgrade the Ultra Ace to keep up with the ever-changing technology in order to satisfy the needs of printers today.

Since its first release in 1997, the Ultra Ace has exceeded 3500 unit in sales Japan!
From extremely thin paper to cardboard, no adjustment is required when using the Ultra Ace.
The Ultra Ace is extremely efficient and provides for increased productivity and decreased labor.

COSMO TECH

ULTRA ACE



Introduction:
The Cosmotech Ultra Ace uses the latest technology in Ultra Sonic Wave sensors for the detection and prevention of double sheet feeding. When double sheet feeding is detected, the Ultra Ace warns the operator with an alarm light and stops the operation. The sending side of the sensor transmits the ultra sonic wave to the receiving side of the sensor. Each sheet flows between the precision sensors. The receiving side of the sensor accurately detects the presence of double sheets by receiving volume variations in ultra sonic waves. A sensor axis-adjusting jig allows the sensor to be set easily and securely, permitting maintenance free operation. System malfunction is prevented through use of a circuit that ensures proper timing of operation. The system features automatic detection for various paper types, from thin to thick, without any adjustments during run.

Control Panel:

1. Main Power Switch
2. Data Display
3. Status Light
4. Timing Light
5. Alarm Light
6. Output Switch-equipped at back of the body

Features:

1. Detection is not influenced by out-of-place sheets
2. Detection is not influenced by colored or printed sheets
3. Detects thin or thick paper and cardboard
4. Detects films, vinyl and other special materials
5. No adjustments required when changing sheet types
6. Works in line with the movement of the press and can be kept on at all times
7. Non-contact sensor does not damage sheets

Ultra Ace detects the following paper materials;
Tracing paper, cardboard, colored paper, aluminum, aluminum evaporated paper, plastic sheet, telephone card, vinyl, film, clear sheet, and other sheets with thickness between 0.02 mm up to 2 mm.

Specifications:

Dimensions:	Width 252mm×Depth 160mm×Height 114mm
Velocity response:	18,000 leaves /hour (for offset press)
Sensor:	Ultra Sonic Wave
Electrical requirement:	1φ220V (Standard)
Electrical consumption: 20VA	

※Other electrical applications:1φ110V~125V,1φ208V~240V
*Outside appearance and specifications are subject to change without notice.

ULTRA 300

Combination unit with double sheet feed sensor and side ray detector

Special specification applications

Ultra Ace 300 = Ultra Ace plus side guide detector
Ultra Ace 440 = Ultra Ace plus side guide and over run detector

Other applications = Detectors for any kind of offset printing press, stream feeder, sack making machines, gluing machines and any other specifications

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URL:http://www.cosmotech-jp.com/