

Vertical and horizontal register control, with a touch panel



The model DT-950M II is an improved version of the earlier, highly acclaimed model DT-950. The DT-950M II is easier to operate and more user-friendly. It features a touch panel that performs each of the operations when ultrasonic waves that are emitted near the liquid crystal display are interrupted by the user's fingers. Anyone can operate it easily just by lightly touching the icons in response to the guidance provided, rather than pressing the screen.

Product features

- Variable-speed control using an AC servo motor (Optional)
Initial registration is performed quickly, and the accuracy is dramatically enhanced. It is especially helpful for reducing losses due to inappropriate registration during high-speed printing.
- Clear display on 15-inch TFT liquid crystal monitor
- Excellent operability via the touch panel
- Easy-to-understand and simple pictograms
- Guidance available in Japanese, English and Chinese
- Oscilloscope screen that digitally displays the waveform of the entire periphery of the copper plate
- A prediction and correction made each time
- Automatic single-operation set-up device (compatible with forward/reverse marks)
- The optimum correction can be with a single operation to suit the conditions of the base paper
- The failsafe function prevents erroneous correction.
- Equipped with fiber scanning head as standard equipment
- Ultrasonic wave touch sensor enables cleaning with organic solvent (screen section).

Specifications and capacities

Compatible	gravure rotary press
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printing press	
Correction mechanism	Vertical registration: correction through the compensator roller Horizontal registration: correction through the vertical (left-right) cylinder motion (Please use a single-phase stepping motor for each registration axis.)
Detection accuracy	Vertical registration: +/-0.01 mm Horizontal registration: +/-0.02 mm
Compatible printing speed	10 to 1,000m/min
Correction speed	Vertical direction: 1.0 mm/sec as standard (on the paper) Horizontal direction: 0.2 to 0.3 mm/sec as standard (cylinder displacement)
Range of fine adjustment	9.9 mm in each direction
Detected colors	practical colors visually discernible on a white background
Others	error warning (variable between 0.1 and 0.9 mm)
Power source	AC100V+/-10% 1φ 50/60 Hz 1 kVA
Compatible environment	Temperature: -10°C to +40°C Humidity: 20%RH to 80%RH

Configuration

Main unit of Colorcon equipment	1unit
Fe-type scanning head (Optical fiber)	(number of channels) units (For both paper and transparent film)
Scanning head relay cord	(number of channels) cords
Scanning head relay box	(number of channels) units
Pulse generator	1 unit (2 units for equipment with the sort setting)

Standard configuration



Controller main unit



Scanning head (Fe)



Optical fiber cord



Scanning head relay box

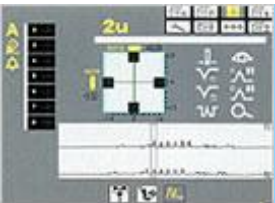


Pulse generator (PG-IV type)

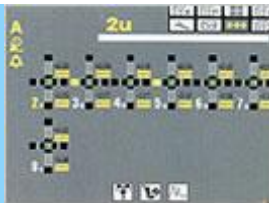
Operation panel



Setting Screen



Registration Screen (1)



Registration Screen (2)

Options

GPS system
Registration error labeling system
Separated type
Communication management function

PS system
Remote diagnosis function
Registration mark monitoring system
AC servo motor control