

WJPS 350D/450D/560D/660

SHAFTLESS SEMI-ROTARY OFFSET LABEL PRINTING MACHINE



Characteristics

- **Electric Control System.** The main control unit adopts imported electric components, together with CPU via DOS system to control the servo motors, which ensures the machine is high responding, accurately repeatable, easy operating and safe running.
- **Shaftless Driving.** The machine uses servo motors to drive the rollers directly and guarantee high speed and accurate running.
- **Registration System.** Once printing length is set at the main control unit, every unit will move automatically to the preselect position. Each unit is controlled individually by a motor. With the help of CCD image, lateral and longitudinal registration is reached without stopping the machine production. Automatic inking remote control system is an option.
- **Printing Unit.** Each unit can work independently, to enhance the production efficiency. There is a touch screen on each unit.
- **Water-ink control.** It uses an advanced system of water-ink to ensure print sharpness and color stability at both high and low speeds. Using a water oscillating roller in contact with the water-ink form roller permits it to reach the desired ink-water balance quickly and thus effectively prevents the ink sticks and ghost generation. The ink train consists of over **20 rollers with 4 ink form rollers and 1 water-ink form roller.** Both filmic and paper products can be printed on this machine.
- **Lubricating System.** The machine uses an automatic oil-supply system to ensure the accuracy and service life of the machine.
- **The semiautomatic plate mounting** and dismounting system is computer controlled which shortens the plate changing time and increases the safety level of the machine. Plate changing for 6 colours only needs 6 minutes.

- The SMC **Pneumatic clutch pressure control system** ensures smooth and accurate running of the machine which significantly reduces the pre-print paper wastage. A 2 x way Clutch System allows the PS plate and blanket to be fully pre-inked and in position, ready to print. The 210° arrangement between the plate and the blanket cylinder successfully avoids the impact of the printing drum to the print.
- **Adjustable ink fountain** partitioning facility allows the adjustment of ink deposit structure across web width per print station reducing printing set up time and paper waste.
- **The machine has a second pass system**, which is easy to use and offers high accuracy. This system ensures the same registration as the first pass.
- **This machine can be equipped** with automatic registration system, remote inking system, flexo unit, letter press unit, varnishing unit, and rotary die-cutting unit, to enable optimization of the machine and to improve its marketing competitiveness.

Technical Specifications

Model	Web width	Max. Printing width	Unwind diameter	Rewind diameter	Thickness of printing material	Printing length	Printing speed	Power	UV	Overall dimensions	Machine weight
WJPS-350D	350 mm	340 mm	700 mm	700 mm	60-350 g/m ²	170-345 mm	30-180 prints/min	29.8 KW for six colors	4.8 KW/ color	10,000*3,600*1,900 mm for six colors	≈13,000 Kg for six colors
WJPS-450D	450 mm	440 mm	800 mm	800 mm	80-350 g/m ²	210-420 mm	30-150 prints/min	39.5 KW for six colors	10 KW/ color	11,000*3,600*1,900 mm for six colors	≈15,000 kg for six colors
WJPS-560	560 mm	540 mm	800 mm	800 mm	80-350 g/m ²	210-420 mm	30-150 prints/min	39.5 KW for six colors	10 KW/ color	11,000*4,000*1,900 mm for six colors	≈16,000 Kg for six colors
WJPS-660	660 mm	650 mm	1,000 mm	1,000 mm	80-350 g/m ²	210-420 mm	30-150 prints/min	49.35 KW for six colors	12 KW/ color	13,000*4,000*1,900 mm for six colors	≈20,000 Kg for six colors

Note: The printing speed is subject to the repeat length and quality of the print media.

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