

High-speed Double-sided Offset Press Main Configurations

No.	Mechanism	Performance	Brand, Origin
1	Paper Feeder	Operating speed: 16,000 rotations/hour; equipped with variable speed and vacuum negative pressure; high-speed paper separation mechanism	Tongye Paper Feeder, Zhejiang Province (Top domestic brand)
2	Register Section	Long paper stabilization time for the lower front register; accurate alignment; stable roller-type pull register mechanism, easy to operate and adjust	Mitsubishi mechanism
3	Ink and Water System	Modular structure, stable; easy to adjust; high precision and stability in water supply with self-chromed rollers and bridge rollers	Mitsubishi mechanism
4	Water Form Roller Clutch	Easy to operate and adjust	Mitsubishi mechanism
5	Cylinder Bearings	All cylinder bearings use high-precision P5-grade tapered roller bearings, strong impact resistance, stable and reliable operation	Harbin Bearings
6	Cylinder Mechanism	The cylinder gripping mechanism is integrally detachable, with high positioning accuracy; easy maintenance; both the gripper and gripper pad are Mitsubishi mechanisms, stable and durable paper gripping	Mitsubishi mechanism
7	Cylinder Clutch	Pneumatic clutch pressure; stable; reliable	Korean Soseki double-stroke pneumatic cylinder
8	Gripper Opening Cam	High-point closing, stable paper gripping; Haff structure, easy maintenance	
9	Axial and Radial Plate Adjustment	Plate adjustment operations are all realized on a touch screen; electric plate adjustment with high precision and efficiency	Delta touch screen from Taiwan
10	Cylinder Arrangement	Stable; easy to operate	Komori mechanism
11	Flat Paper Delivery Mechanism	Stable, reliable, and scratch-resistant	Komori mechanism
12	Alcohol Dampening System	Stable and reliable, with automatic alcohol ratioing and excellent refrigeration effect	Ruilixin, Rongyou
13	Paper Feeding Air Pump	Oil-free air pump, stable, and reliable	
14	PLC	Stable and reliable	Beck Air Pump from Germany
15	Contactors	Stable and reliable	Schneider (France), LS (South Korea)
16	Relay	Stable and reliable	Omron (Japan)
17	Button	Stable, reliable, and resistant to paper dust	Autonics (South Korea)
18	Rotary Encoder	Stable, reliable, and oil-resistant	Autonics (South Korea)
19	Ultrasonic Double Sheet Controller	Stable and reliable	Pepperl+Fuchs (Germany)
20	Solenoid Valve	Stable and reliable	Mindman Industrial (Taiwan)
21	Anilox Plate Clamp	Durable, minimal plate deformation, fast plate loading	Mitsubishi mechanism

No.	Mechanism	Performance	Brand, Origin
22	Delivery Chain	Smooth operation, low noise	TYC (Taiwan)
23	Split Brake Roller	Motor-driven, adjustable spacing	Komori mechanism
24	Moving Paper Support	Adjustable according to paper conditions, prevents smudging	Komori mechanism
25	Ink and Water Rollers	Made of imported materials, excellent ink and water transfer performance, durable	Jiuyin, Boxing
26	Main Motor	Variable frequency speed control motor, high efficiency and energy-saving	Huyuan Motor (China)
27	Transmission Gears	Alloy steel hardened and precision ground gears	Mitsubishi mechanism
28	Blanket Blower	Effectively reduces paper deformation due to water	Komori mechanism
29	Lubrication System	Point-to-point and shower-type lubrication, improves component lifespan	Mitsubishi mechanism
30	Impression Cylinder	Surface sprayed with steel, improves component lifespan	Mitsubishi mechanism
31	Upper Blanket Mechanism	Worm gear mechanism; easy to operate	Mitsubishi mechanism
32	Automatic Blanket Washing	Easy to operate, high cleaning efficiency	Komori mechanism
33	Inspection System	Easy to operate, stable and reliable; high detection accuracy	LUSTER LightTech