

# *MHK-1050/1050 S9000*

*Fully Automatic Flatbed Die Cutting Machine*



## TECHNICAL PARAMETER

<b>MODEL</b>	<b>MHK-1050/1050 S9000</b>
Max. Paper Size	1050 × 750 mm
Min. Paper Size	400 × 360 mm
Max. Die-Cutting Format	1040 × 720 mm
Mouth Blank	9-17 mm
Inner Board Size	1140 × 750 mm
Paper Specifications	90-2000g/m <sup>2</sup> (cardboard), 0.1~2mm (cardboard), ≤4mm (corrugated paper)
Die Cutting Accuracy	≤±0.075mm
Working Pressure	300 T
Working Speed	1050-7500 s/h, 1050 S9000-9000 s/h
Max. Paper Height	1600 mm (including wooden pallet)
Max. Delivery Height	1400 mm (including wooden pallet)
Overall Size	6119 × 4257 × 2349 mm (L×W×H) (long with pre-loading track; wide with foot pedal)
Total Machine Weight	16 T
Main Motor Power	11 Kw
Full Load Power	16 Kw
Gas Source Requirements	Pressure: 0.6~0.7Mpa, Flow: ≥0.37m <sup>3</sup> /min



### **Feida**

*The high-speed paper feeder head can be adjusted freely according to the paper condition.*



### **Paper Feeding Table**

*Adopt gas spring auxiliary power, in-position deceleration mechanism device, and the paper pressing frame is equipped with an integral adjustment paper pressing wheel device, which is convenient and quick to adjust.*



### **Synchronous Belt Drive, Intermittent Mechanism**

*Taiwan's high-precision intermittent divider can ensure high positioning accuracy even after long-term use.*



### **Main Engine Lubrication Mechanism**

*The automatic pump oil circulating cooling device imported from Taiwan ensures the lubrication of the main engine running at high speed for a long time. Equipped with oil pressure display and abnormal oil pressure alarm device.*



### **Receiving Department**

*Rolling curtain type auxiliary paper-receiving rack can realize non-stop paper-receiving, paper-receiving two-way auxiliary blowing, manual sampling mechanism, easy to operate.*



### **Electronic Control Department**

*This machine adopts electrical components from Germany's Muller and Japan's Omron, which is easy to operate and easy to maintain.*



*German Vacuum Pump*

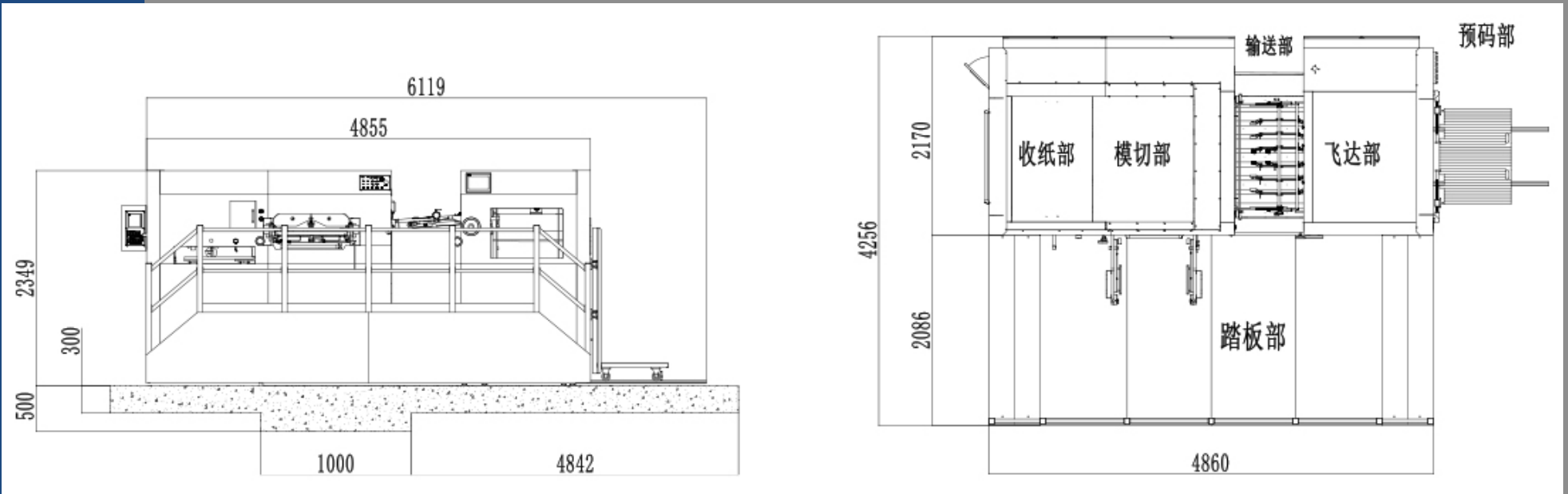
*Germany BECKER oil-free blowing and suction dual-purpose vacuum pump.*



*Automatic Fuel Supply System*

*The whole machine adopts a centralized automatic oil supply system to ensure that the transmission parts are not short of oil.*

**SCHEMATIC  
DIAGRAM**



## CONFIGURATION ITEM

### *Paper Feeding Department*

- |   |   |
|---|---|
| <i>01. Integral conveying wall panel of ductile iron.</i>   | ● |
| <i>02. Fish scale type powerful suction paper feeder head, 4 suction 4 feeds, the suction head can adjust various suction angles according to the deformation of the paper.</i>   | ● |
| <i>03. Adjustable suction tube, suction head and air valve are treated with super hard alloy.</i>   | ● |
| <i>04. 3 Doofy head anti-collision device.</i>  | ● |
| <i>05. Horizontal paper separating and blowing device.</i>  | ● |
| <i>06. The main and auxiliary stackers do not stop alternately, and the feeder does not stop operation.</i>   | ● |
| <i>07. Electric left and right fine-tuning device for main feed stack.</i>  | ● |
| <i>08. The pre-stacking device is equipped with a track so that the operator can accurately and conveniently feed the paper stack into the feeder.</i>  | ● |
| <i>09. Push-pull dual-purpose side gauges, one set for operation side and transmission side. Side gauges can be adjusted between push and pull gauges to meet different paper needs.</i>  | ● |
| <i>10. Side gauge and front gauge paper photoelectric detection.</i>  | ● |
| <i>11. The function of reducing the speed of paper feeding when the paper reaches the front rule.</i>   | ● |
| <i>12. Electromechanical double sheet detector.</i>   | ● |
| <i>13. Imported paper conveyor belt and stainless steel conveyor plate.</i>   | ● |
| <i>14. Pneumatic lifting device for paper feeding frame.</i>  | ● |
| <i>15. Single-Point Clutch: The conveying part and the host part can be separated and synchronized at any time, which simplifies and facilitates the operation sequence. Regardless of proofing, test pressure, etc., the conveying part can be separated and closed at will.</i> | ● |
| <i>16. PLC and electronic cam control the timing of the whole machine.</i>  | ● |
| <i>17. German Baker brand blowing and suction dual-purpose vacuum pump.</i>   | ● |

## CONFIGURATION ITEM

### *Die Cutting Department*

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|---|---|
| 01. The main body of ductile iron, the left and right wall panels, the upper platform and the lower moving platform.  | ● |
| 02. Imported worm gear, worm and 40cr crankshaft.   | ● |
| 03. Die-cutting bottom plate and knife template rotating device.  | ● |
| 04. Lubricating oil automatic cooling and lubrication system in the main transmission box.  | ● |
| 05. Imported torque limit overload protector.   | ● |
| 06. Electric pressure regulating device, which can realize accurate pressure control through PLC touch screen buttons.  | ● |
| 07. A complete set of imported anodized aluminum alloy tooth rows and 5 groups of positioning structures, each tooth row adopts an adjustable tooth row structure.  | ● |
| 08. Servo control system is used for positioning after the tooth row, and the accurate accuracy of each tooth row can be adjusted through the PLC touch screen buttons to ensure the accuracy of the tooth row, which can permanently reach an accuracy of $\pm 0.1\text{mm}$ (patented product). | ● |
| 09. Imported main drive chain.  | ● |
| 10. Imported intermittent divider.  | ● |
| 11. Imported synchronous belt and pulley drive.   | ● |
| 12. Main drive imported pneumatic clutch brake device.  | ● |
| 13. Japanese SMC air pressure detection device, alarm when air pressure is too low.   | ● |
| 14. The die-cutting plate frame adopts the device structure of the center line quickly positioning.   | ● |
| 15. The die-cutting frame and the die-cutting lower backing plate are locked by Japanese SMC air volume regulator to avoid the situation that the upper frame is locked and installed incorrectly, and effectively avoids the loss caused by human factors.                                       | ● |
| 16. Siemens brand main motor drive.   | ● |
| 17. The whole machine adopts a centralized automatic oil supply system to ensure that the transmission parts are not short of oil.  | ● |
| 18. Equipped with gas storage tank to ensure stable air pressure of the whole machine.  | ● |



## CONFIGURATION ITEM

### *Receiving Department*

- |  |   |
|--|---|
| 01. Paper-receiving left and right wall panels of ductile iron.  | ● |
| 02. Adjustable mechanical delivery brush and paper pressing mechanism to help teeth unload and stack paper.                              | ● |
| 03. Collecting and arranging paper device.   | ● |
| 04. Photoelectric detection of upper and lower limit switches to prevent the paper stacking table from being too high and paper rolling. | ● |
| 05. Rolling curtain type auxiliary paper-receiving rack can realize non-stop paper-receiving.  | ● |
| 06. The delivery department can control the entire machine through a 7-inch touch screen.  | ● |
| 07. Two-way auxiliary blower for receiving paper, manual sampling mechanism, easy to operate.  | ● |

### *Electrical Department*

- |  |   |
|--|---|
| 01. The die-cutting department adopts a 10.4-inch touch screen from Germany's Siemens and a 7-inch touch screen for the delivery department.   | ● |
| 02. All the machines adopt German Moeller relays, AC contactors, air switches and buttons to ensure the stability and reliability of the electrical parts.   | ● |
| 03. The whole machine adopts the photoelectric switch, optical fiber, encoder and sensor of Japan Omron to ensure the accuracy and stability of the action of each part of the electrical detection. | ● |

*Note: This configuration sheet is for reference only, and the formal configuration sheet is subject to the contract.  
Standard: ●; Optional: ▲*