



WHEN ZHOU FEIHUA PRINTING MACHINERY CO.,LTD

**温州飞华印刷机械有限公司**

WHEN ZHOU FEIHUA PRINTING MACHINERY CO.,LTD

**AEM-800**

Automatic flat-bed die cutting machine

**Technical instruction**

**【Professional manufacturer】**





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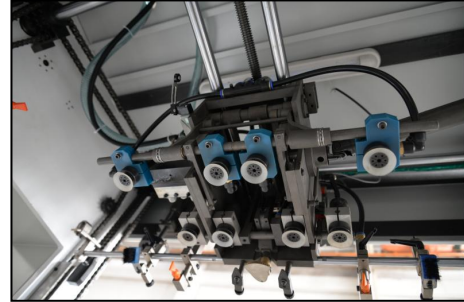
## Main technical parameters

|                       |  |
|-----------------------|--|
| Max sheet size:       | 820 x 620 mm                                 |
| Min sheet size:       | 340 x280 mm                                  |
| Max cutting size      | 770 x 600 mm                                 |
| Die chase inner size: | 820 x 628 mm                                 |
| Cutting plate size:   | 826 x 628 mm                                 |
| Min gripper margin:   | 7 mm   |
| Cutting precision:    | ≤±0.1 mm                                     |
| Max cutting pressure: | 200 T  |
| Max cutting speed:    | 7000 S/H                                     |
| Feeding pile height:  | 1150 mm                                      |
| Delivery pile height: | 1000 mm                                      |
| Application:          | Cardboard: <0.1-2mm<br>Corrugated paper:<4mm |
| Main motor power:     | 11KW   |
| Total power:          | 16.25KW                                      |
| Dimension:            | 4350(+1360) x 2000(+1680) x 1880 mm          |
| Weight:               | 9T   |

## Standard configuration

### 1. Feeding section

1.1 High speed and strength 4-suck-4 forwarder feeder, the angle of the nozzle can



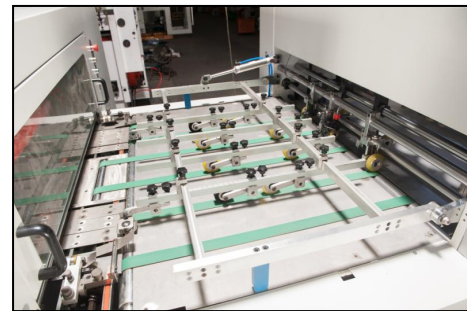
be adjusted according to the paper condition, it ensure that the thin thick and corrugated paper can be fed smoothly.

1.2 Both side blower device, make sure the paper can be separated and the paper be fed smoothly.



1.3 Wall plate for feeder is cast iron, stable and fit for high speed running.

1.4 Electro mechanical double sheet detector can reduce the waste.



1.5 Both side lay can be used both for pull and push function, equipped with opto-electronic sensor.



1.6 The press roller and the brush wheels can be integrated adjusted, improve the efficiency.

1.7 Anti-worn PU press roller.

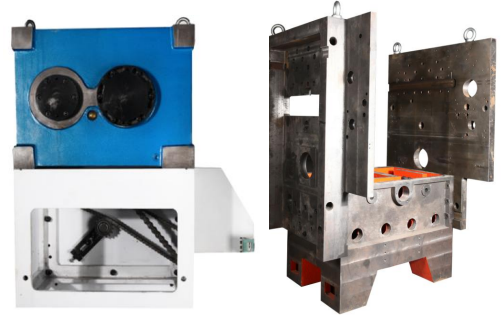


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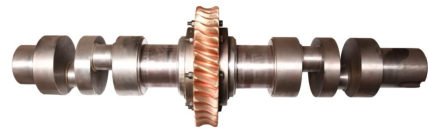
1.8 Non-stop feeding device.

### **2. Die cutting section:**

2.1 The pressing section is made of high strength cast iron QT500, has high strength and never deform.



2.2 Special processed alloy crankshaft.



2.3 Extra anti worn worm and worm gear.



2.4 Pneumatic clutch, and imported rotary joint.

2.5 Oil pressure and air pressure alarm system, protect the machine.



2.6 High accuracy cam box, equipped with synchronized belt and torque overload controller.

2.7 Chase detector, increase the running accuracy; pneumatic chase lock device, electrical pressure adjustment, and convenient chase turning device.



2.8 Hi hardness die cutting plate(HRC50-53).

2.9 Imported pre-stretched gripper chain, increase the accuracy and stability,



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special side positioning.

### **3. Delivery section:**

3.1 Automatic aligning device, double side blower device makes sure the thin and thick paper can be delivered neatly.

3.2 The touch screen at the delivery section indicate the running condition, the operations can be done on it.



3.3 There is a control panel at the delivery section, more convenient for operation.

3.4 The opto-electronic sensor at the delivery section can make sure the delivery smooth and neat.



3.5 Delivery automatic control system.

3.6 Automatic non-stop delivery device.

3.7 Gripper chain protection device.

3.8 Delivery fault alarm device.

3.9 Equipped with tag insert and counter.

3.10 Equipped with gripper bar drive chain tensioner buffer device.



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## Main configuration list

| No | Name                     | Brand                    | Origin  | No | Name                  | Brand     | Origin  |
|----|--------------------------|--------------------------|---------|----|-----------------------|-----------|---------|
| 1  | Main structure           | QT500-7 ductile iron     | China   | 15 | Linear guide rail     | HIWIN     | Taiwan  |
| 2  | Cutting plate            | 75Cr1 alloy steel        | Germany | 16 | Fastener              | GEMYEAR   | Taiwan  |
| 3  | Worm, Worm gear          | Xingtang                 | China   | 17 | Invertor              | Panasonic | Japan   |
| 4  | Crankshaft material      | Ni-Cr-Mo alloy           | China   | 18 | HMI                   | TAISEE    | Taiwan  |
| 5  | Gripper Bar              | Aluminum alloy           | China   | 19 | Sensor                | Panasonic | Japan   |
| 6  | Gripper                  | Imported manganese steel | China   | 20 | PLC controller        | FATEK     | Taiwan  |
| 7  | Cam box                  | Handex                   | Taiwan  | 21 | Encoder               | Kubler    | Germany |
| 8  | Main transmission chain  | TYC                      | Taiwan  | 22 | Proximity switch      | FOTEK     | Taiwan  |
| 9  | Rotary joint             | SMC                      | Japan   | 23 | Relay                 | SCHNEIDER | France  |
| 10 | Pneumatic solenoid valve | AIRTAC                   | Taiwan  | 24 | Optoelectronic switch | Panasonic | Japan   |
| 11 | Main motor               | TECO                     | Taiwan  | 25 | Button                | SCHNEIDER | France  |
| 12 | Feeding pile motor       | DUNGLEE                  | Taiwan  | 26 | AC contactor          | SCHNEIDER | France  |
| 13 | Delivery pile motor      | DUNGLEE                  | Taiwan  | 27 | Circuit breaker       | SCHNEIDER | France  |
| 14 | Bearing                  | NSK                      | Japan   | 28 | Vacuum pump           | Tongyou   | China   |