Fully Automatic Die Cutting Machine
**Model:** TD800S  fully automatic die cutting machine

**Brief introduction:**
Our company is one of the professional fully automatic die cutting machine manufacturers & suppliers in China.

**Description:**
TD800S fully automatic die cutting machine is the newest product of T serials of yawa. 7 sets of gripper bars with grippers made of lightweight and durable aluminum alloy with ultra hard coat and anodized finish ensure accurate and consistent paper registering.

**Feeding Unit**
- Pile tray with handle allowing manual lateral correction of the pile during production
- Stream-wise feeding system with a highest speed of 120 sheets per minute
- 2 suction cups each for lifting paper, 2 suction cups for moving paper
- Height and angle of suction heads are easily adjustable
- Electronic safety devices preventing feeder pile from over ascending
- Micro-adjustment is available for transversal positioning of pile table
- Precision double-sheet detector
- Easy changeover of pull and push side guides simply by turning a bolt without the need of removing and replacing complete side guide
- 2 front guides with micro-adjustment and the side guide is adjustable by wheel handle
- Photo-electric detector with automatic stop system on feeding table in case of paper jam
- Separate drive controls of feeding unit & the main machine for easy make ready
- PLC and electronic cam for timing control
Diecutting Unit

- Siemens main motor controlled by Schneider inverter control
- Micro-adjustment of cutting force by worm gear driven by motor and controlled by touch screen
- The pressure accuracy can be up to 0.01mm
- Crank shaft made of 40Cr steel
- Machine frames made of Q235-A Steel, upper and lower platens made of QT60 ductile iron with resin coated sand with Meehanite Die Cast Iron Technology
- Cutting chase turn-over device
- Overload protection device with torque limiter for the highest safety of operator and equipment
- After long run test and delivered in pairs, main gripper, chain from Subaki, Japan
- High pressure index drive system for gripper bar positioning control
- Pneumatic lock-up and release of cutting chase
- Centerline system for quick job changeover

Stripping Unit

- 3-action movement structure with upper, middle and lower stripping frame to facilitate die change
- Stripping pins or male/female die can be used for different stripping jobs
- Match with the centerline registration system in the diecutting section, the same system also apply to the stripping system to minimize changeover time. Accurate positioning can increase production efficiency
- The up/down movement of upper stripping frame is controlled by motor which makes adjustment easier

Delivery Unit

- Safety photo-electric devices preventing over-ascending and over-descending of delivery paper pile
- Adjustable depressor brush helps unloading paper from grippers and piling up paper
- High pile design up to 1020mm
- Automatic auxiliary belt table available for non-stop delivery
- Feeder movement and speed control can be adjusted in the delivery unit
**Technical specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Maximum sheet size:</td>
<td>800 × 580 mm</td>
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<tr>
<td>Minimum sheet size:</td>
<td>310 × 310 mm</td>
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<tr>
<td>Maximum cutting size:</td>
<td>790 × 570 mm</td>
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<tr>
<td>Minimum gripper margin:</td>
<td>8 mm</td>
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<tr>
<td>Inside chase:</td>
<td>940 × 610 mm</td>
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<tr>
<td>Maximum pressure:</td>
<td>200 tons</td>
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<tr>
<td>Maximum speed:</td>
<td>7000 sheets/hour</td>
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<tr>
<td>Sheet thickness:</td>
<td>0.2-2mm cardboard</td>
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<td></td>
<td>E flute corrugated paper</td>
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<tr>
<td>Max. pile height at feeder:</td>
<td>1300 mm</td>
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<tr>
<td>Max. pile height at delivery:</td>
<td>1000 mm</td>
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<tr>
<td>Total power:</td>
<td>15 kw</td>
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<tr>
<td>Dimensions (L×W×H):</td>
<td>4900 × 2000 × 2000 mm</td>
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<td>Weight:</td>
<td>14.5 tons</td>
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Application:
Fully automatic die cutting machine also named cardboard die cutting machine. This model is special for cutting many kinds of label. We already sold this model to Canada, USA, Slovenia and other countries in 2018. Shanghai Yawa has dozens years’ experience in die cutting machine and foil stamping machinery industry. We are able to produce high-quality fully automatic die cutting machine at competitive price. We already sold this model to Canada, USA, Slovenia and other counties in 2018.