



欽揚科技股份有限公司
CHINUP TECHNOLOGY CO., LTD.

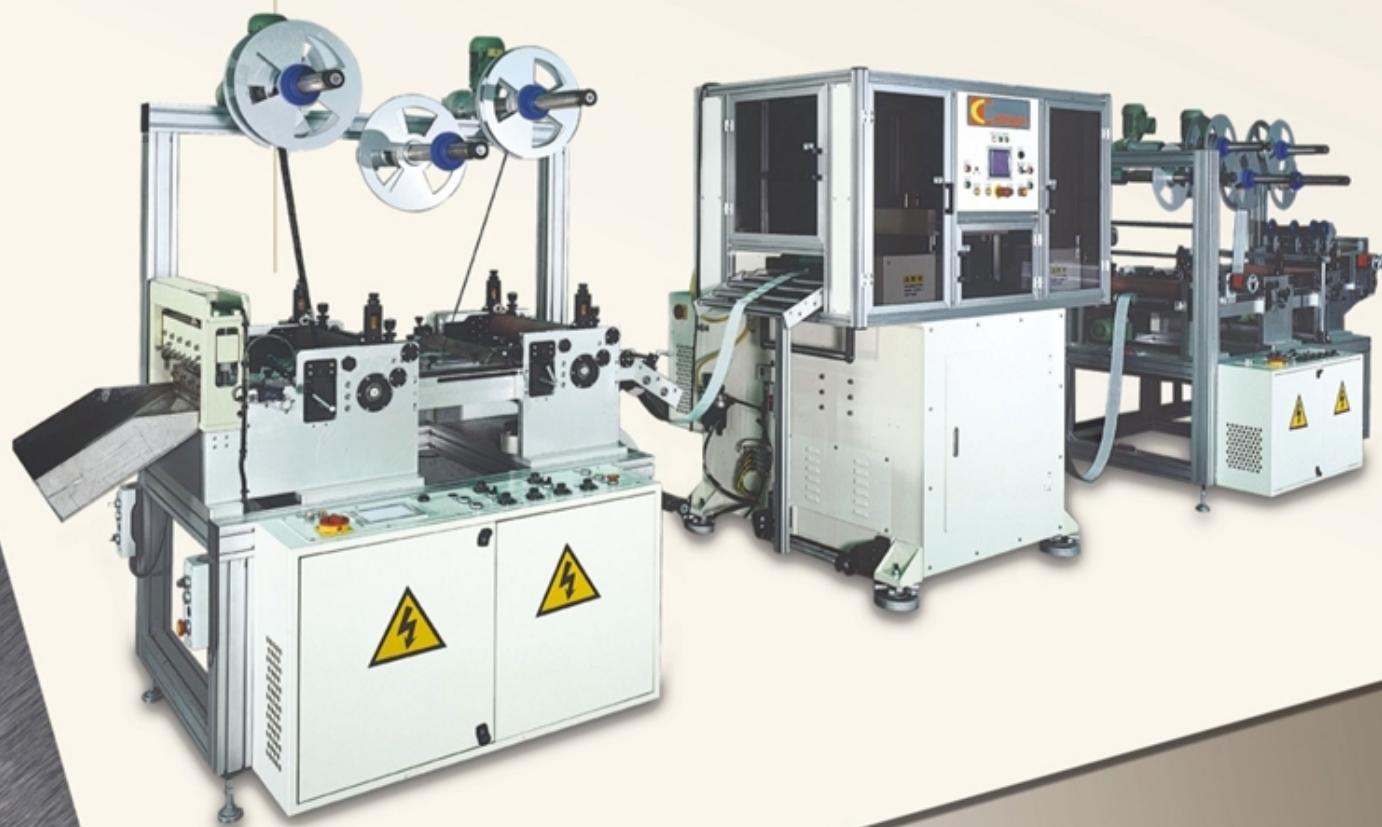
HSM-10

SUPER HIGH SPEED MECHANICAL DIE CUTTING MACHINE

—— 高速裁切機 ——

ROLL TO ROLL

ROLL TO SHEET



Help your material converting process to be Faster, Quieter, Less vibration, Less material waste and Save energy consumption up to 25%.

- **Output is up to 250% Higher Than Hydraulic Version Machines.**

Driven by a superior mechanically powered mechanism. The faster speed of the mechanism shortens the cutting cycle, thereby leading to much higher output. It can reach 150 to 200 cutting strokes per minute depending on different material application.

- **Energy Efficient and Quiet.**

The superior mechanically powered mechanism eliminates the complicated hydraulic circuits and oil cooler, which results in a much more efficient use of electrical power and cuts energy consumption up to 25%. The precise components greatly reduce running noise and vibration, delivering very quiet machine operation. This is especially important when the machine is on a higher floor of a building.

- **Precise Temperature Control Ensures Consistent High Cutting Quality Without Bur.**

The Chinup HSM is not driven by hydraulics, so the temperature of the cutting system does not vary due to fluctuation in the temperature of the hydraulic oil. The temperature fluctuation can cause inconsistent cutting quality for some kinds of material when cutting with male and female die or cutting on steel surface. The Chinup HSM performs superior cutting quality over long-run, continuous operation, because there is no temperature fluctuation caused by hydraulic oil.

- **Easy Operation and Maintenance.**

A touch-screen operator interface with machine dialogue and self-diagnostic troubleshooting makes the Chinup HSM very easy to operate. Interlocked safety guards with a safety circuit help providing a safe operating environment for the operator. Because of no hydraulic oil, it is very easy to keep the components clean, and then to reduce maintenance time.

- **Versatility of Cutting Tools.**

Male and female dies, plywood die boards, chemical etched dies and plastic die boards are all suitable to mount on the machine for different type of cutting jobs.

- **Unique Die Setting.**

User-friendly digital control motorized die setting with micro adjustment of 0.01mm. (For HSM-10 only.)

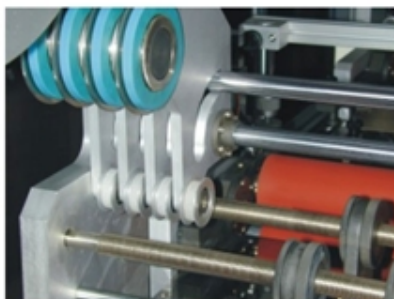
- **Unique Plane-parallelism Resetting**

Always be able to reset plane-parallel accuracy against wear and tear of the machine

Accessories



- One roll cantilever unwind stand with adjustable tension control.
- Total three sets of laminating rollers; laminating speed is adjustable.
- Quantity of unwind stand and rewind stand is custom-built upon application.



- Double adhesive tape tracks with tape guiding rollers for tape width from 2mm to 10mm.

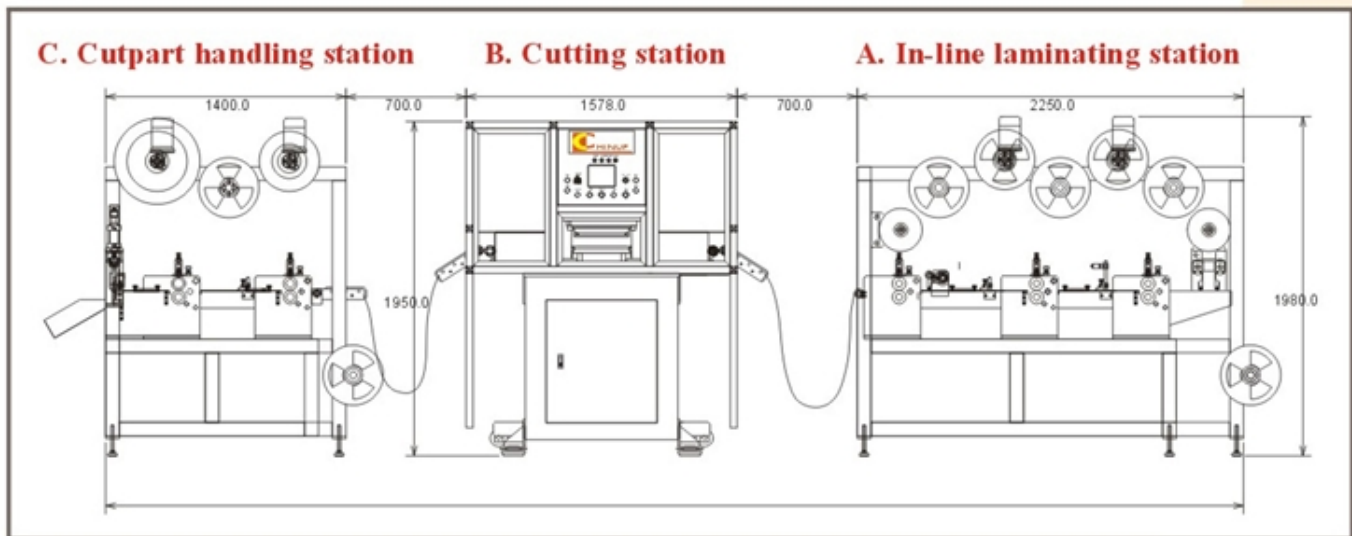


- Release film rewind stand with frequency converter speed control



- Micro-adjustable side guide to achieve precise laminating position, accuracy $\pm 0.2\text{mm}$.

System Layout



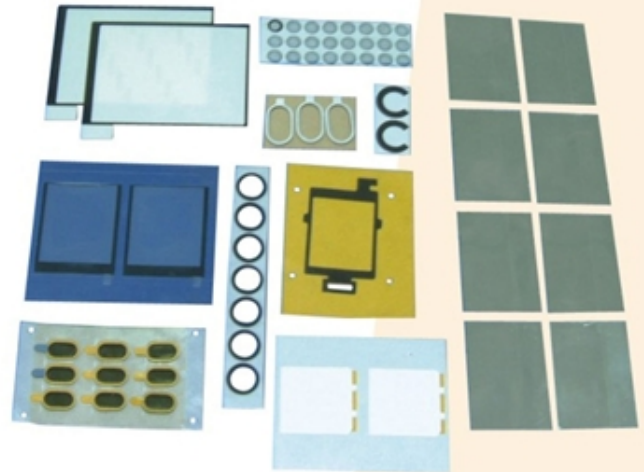
Range of application:

All kinds of soft film for electronic, computer, LCD and general industries such as:

- Polarizing film
- Diffusion film
- Reflecting film
- Laminating copper foil
- Aluminum foil
- Electronic film
- Soft PC board
- Insulation material
- Sponge
- Adhesive tape, etc.

Model	HSM-10	HSM-10
Cutting Force	10 tons	10 tons
Bed Size	300D × 400W mm	500D × 500W mm

※ The system can be tailor-made upon customers' requirements.



- Super high speed mechanical cutting head.
- Servo-drive inboard and outboard pinch roll feeders, position accuracy $\pm 0.1\text{mm}$.
- Adjustable mechanical side guides.
- Manual die skewing device.



- Unique die setting device with a setting range 3mm.
- Die mounting unit for versatile cutting dies.
- Removable hardened and ground steel plate.
- A slug box under male and female die.
- Manual die lateral shifting device.
- PET belt mounting device.

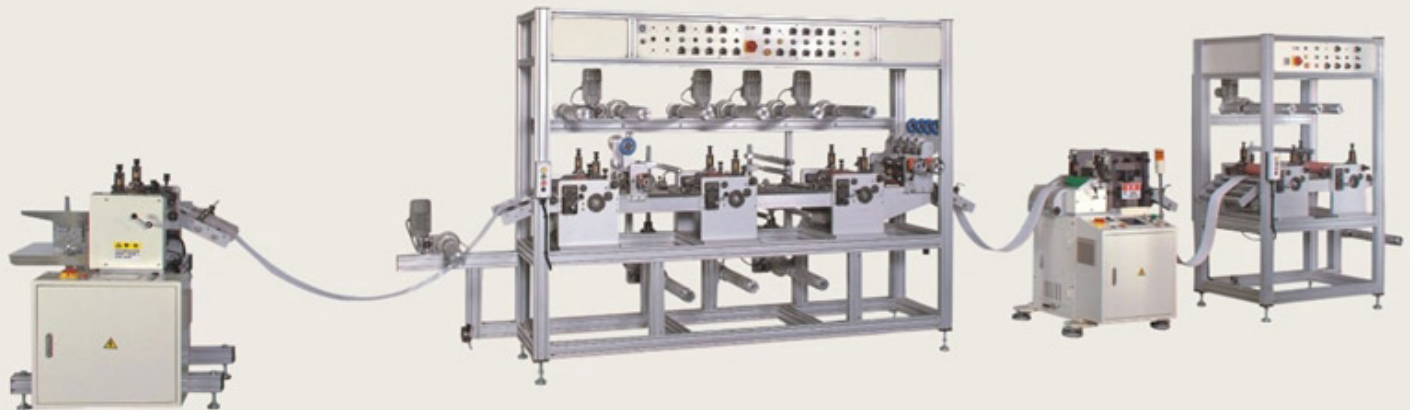


- Sheetting device (guillotine).
- Servo-drive pinch roll feeder
- Optical registration sensor.

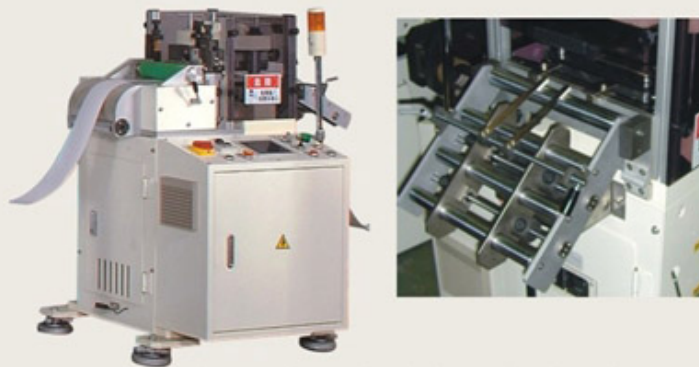


- Small lamination unit with two unwind stands and one rewind stand. All the three stands are tension adjustable.

HSM-03

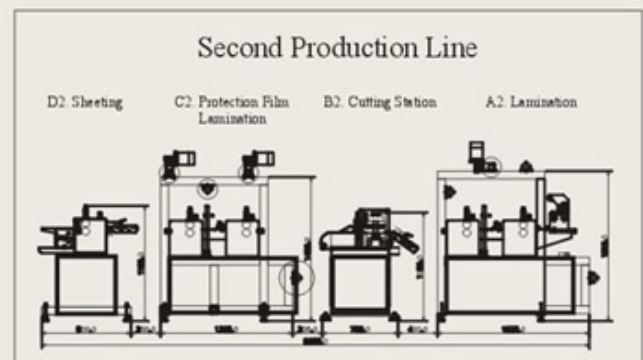
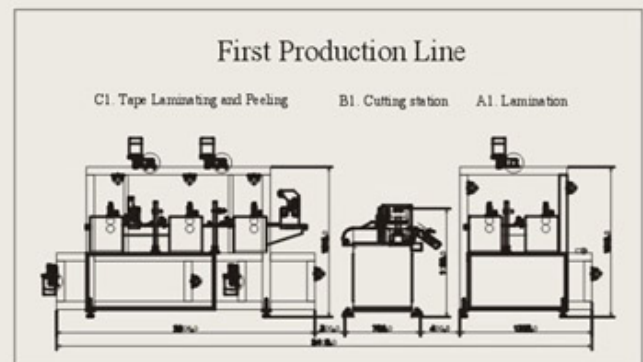


The Chinup HSM-03 is specially designed for small cut parts. Short cutting stroke and feed distance shorten the cutting cycle substantially and lead to much higher output. Flexible production stations are available to meet different demand of variable job application.



- Super high speed mechanical cutting head.
- Unique manual die setting device with micro adjustment 0.01mm and setting range 5mm.
- Die mounting unit for versatile cutting dies.
- Removable hardened and ground steel plate.
- A slug box under male and female die.
- Manual die lateral shifting device.
- Servo-drive outboard pinch roll feeder, position accuracy ± 0.1 mm.
- Inboard adjustable material guiding rollers.

Model	HSM-03
Cutting Force	3 metric tons
Bed Size	180D X 200W mm



※ The system can be tailor-made upon customers' requirements.



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