



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

SERIES

**HIGH SPEED HYDRAULIC CUTTING MACHINE**

— 高速油壓裁切機 —



## HS SERIES

### HIGH SPEED HYDRAULIC CUTTING MACHINE

- Much more robust construction to ensure high precision punching quality.
- CE complied safety guard with safety circuit to make sure operator in totally safe operation environment.
- Touch-screen monitor with operator/machine dialogue makes user-friendly operation and self-diagnostics trouble shooting.
- Servo motor position system, positioning accuracy  $\pm 0.1\text{mm}$ , save up to 20% material cost.
- High speed hydraulic system to achieve 100 cuts per minute for 10mm cutting stroke and 20mm feeding distance.



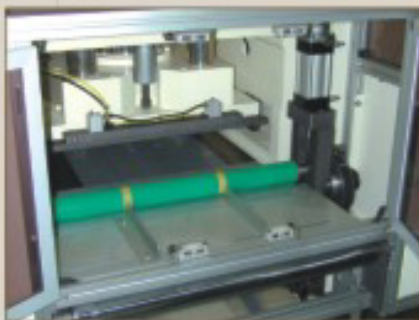
- Air shaft core clamp motorized single roll material stand with lazy loop control to minimum material tension during feeding. There is simple one roll material stand available without air shaft and lazy loop control.



- Equip with air-conditioned oil cooler. The operation temperature of hydraulic oil can be controlled evenly, so that the machine can run continuously 24 hours a day with consistent cutting depth accuracy. It is very important for high accurate cutting requirements.



- Side loading pneumatic die rails for easy die loading.

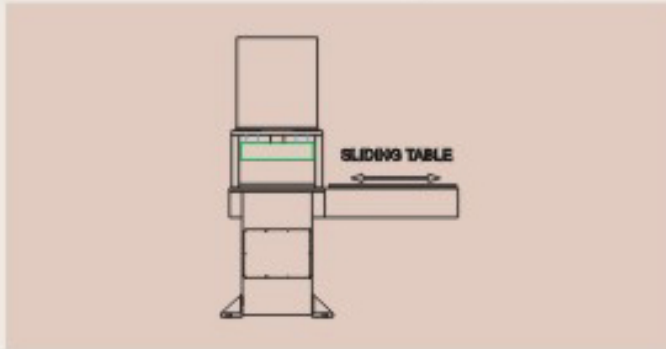


- Material side guide to guide material during feeding.
- Pneumatic pinch roll feeding system.
- Cutting on hardened and ground steel plate with 4 post central-adjusted, synchronized mechanical stops for both kiss cutting and through cutting. The robust 4 post mechanical stops ensure accurate cutting depth and quality.
- Pneumatic die rail.

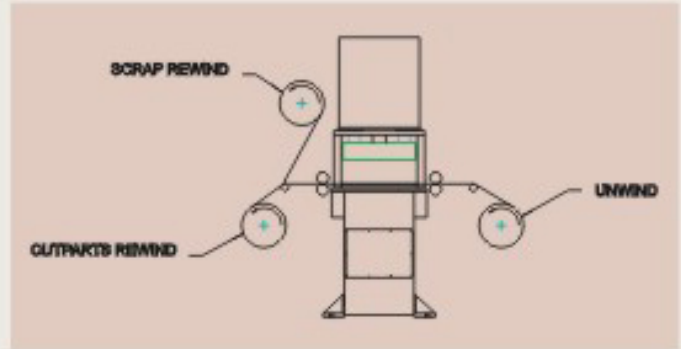


- Scrap rewind device. Cutparts and waste web separating device and cutparts rewind stand can be equipped for kiss cutting job.

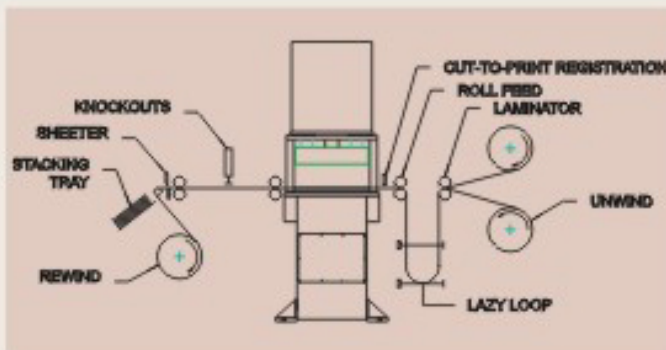
## Some standard auto feeding system applications:



- Single auto hardened & ground steel sliding table (kiss cutting & through cutting).



- Servo-drive inboard & outboard pinch roll feed with cutparts rewind stand (kiss cutting) and overhead scrap rewind stand (kiss cutting & through cutting).



- In-line production system include :
  - Laminator to laminate material and self-adhesive release paper or tape together.
  - Lazy loop control to minimum feeding tension.
  - Servo-drive inboard & outboard pinch roll feeding system.
  - Optical fiber sensor registration system for cut-to-print job.
  - Cutparts knockout device for through cutting.
  - Sheeter to produce sheet type finish products.
  - Stacking tray to stack sheet type finish products.
  - Cutparts rewind stand for kiss cutting and scrap rewind stand for through cutting.

**Special specifications are available upon request.**

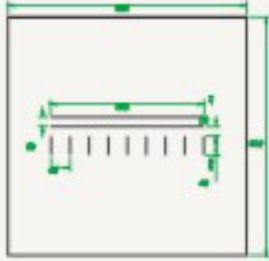
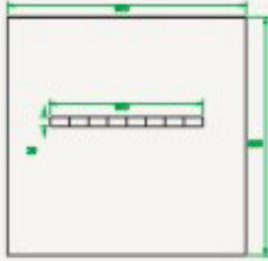
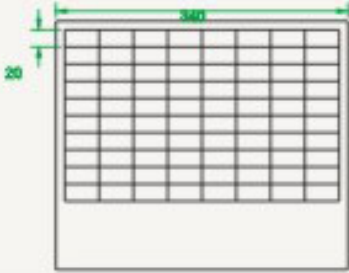
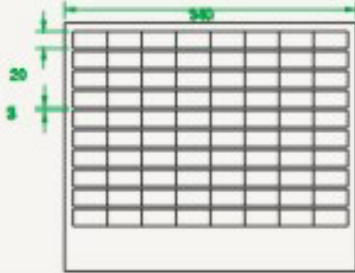


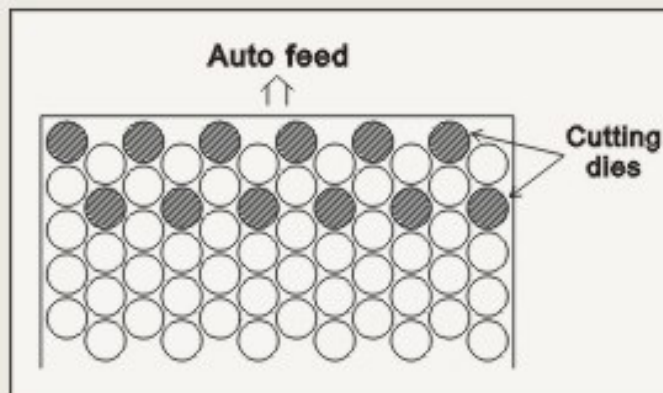
- Servo-drive incremental hardened & ground steel sliding table feeding system (kiss cutting & through cutting). Table length according to sheet type material length.

## Range of application:

- Thin plastic film from 0.02mm, such as LCD 、 PC 、 PS 、 PP 、 PET 、 PVC 、 etc.
- Thick foams for electronic, rubber, automotive and packaging industries.
- Textiles.
- Non-woven felt.
- Pressure sensitive materials.
- Gasket materials.
- Abrasives.

## Comparison of material yielding from different die layout after auto-feed cutting :

	Type A	Type B
Die layout		
Cutparts layout		
Quantity of cutpart	160 pieces (material size 340X405mm)	136 pieces (material size 340X405mm)
Material yielding rate	93%	79%



□ This cutting die layout with material auto feed can achieve much more yielding output than conventional cutting method and lead to good material saving.

### Specification:

Model	HS-30	HS-40
Cutting force	30 tons	40 tons
Cutting stroke	130 mm	130 mm
Open daylight	25-155 mm	25-155 mm
Motor	10 Hp	10 Hp
Down speed	52.9 mm/sec.	52.9 mm/sec.
Up speed	101.7 mm/sec	101.7 mm/sec.
Capacity	Up to 40000 cuts per 8 hours depending on processing	
Cutting head	500*500 / 650*650mm	500*500 / 650*650mm
Dimension	1730L*1480W*2000H mm	1730L*1480W*2000H mm
Weight	2400 Kg	2500 Kg

- The above are the basic standard specifications. Special specifications are available upon request.
- Dimensions and weights are for main machine body only without feeder.
- Open daylight is measured from beam to bed, effective open daylight need to deduct thickness of die, cutting pad and feeder.



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