

# High Speed Die Cutting Machines



## Applications:

The HSC series of die cutting machines are designed to cut a wide variety of sheet, or roll materials, including Label stickers, electronic foam, rubber and foam components, name plates, insulation, automotive parts, medical items, felt, floor tiles, stationary plastic covers, packaging materials, gaskets, P.P files, plastic films, such as LCD/PC/P.P/PET/PVC etc.,

## Features & Benefits:

- Rugged construction, with heavy duty welding of the machine frame
- Smooth, low-impact cutting action, reduces the noise level to a minimum
- Low electrical consumption, due to an efficient optimized hydraulic design
- Ergonomic machine design, offers simple operator controls to yield increased productivities
- Four (4) post simultaneously adjustable mechanical stops ensure repeatable point of closure.
- HRC 60<sup>0</sup> hardened & ground steel cutting plate provides excellent kiss cut and through cut parts without edge burs
- Servo controlled motor positioning guarantees precise feed accuracies at high speed (positional accuracy of  $\pm 0.008$ " at a feeding speeds up to 60"/second feeding distance
- Typically; 20,000 – 40,000 cuts / eight (8) hour shift

## Options:

Machines are available in two essentially differing guises. A reciprocating table feed, or a through type roll feed.

- Automatic Sliding Table (Single or Doubled sided) suitable for sheet type materials, featuring a Recirculating Ball Screw driven incremental table offering accuracy of  $\pm 0.004$ "
- Nip Roll Feed mechanisms (inboard and or outboard) to feed roll goods
- Scrap rewind stand
- Single axis fiber optical sensor for cutting preprinted materials
- Three axis die bolster auto tracking device for cutting print quality accuracy of  $\pm 0.004$ "
- User friendly, LCD touch screen controls and memory for up to 300 cutting programs offers quick and easy set up and operation.

## Specifications:

MODEL	HSC-13	HSC-27	HSC-33	HSC-44
Cutting Force	13 tons	27 tons	33 tons	44 tons
Max. Open Daylight *	6.1"			
Min. Open daylight	0.98"			
Down Stroke Speed	2.25" / second	2.2" / second		2.25"/ second
Up Stroke Speed	4.64" / second	4.33"/ second	4.2" / second	4.1"/ second
Platen size	13.8" x 13.8"	19.6" x 19.6" or 25.6" x 25.6"		
Pump Motor	3 HP	5 HP		7.5 HP
Net Weight	3828 lbs	4840 lbs	5170 lbs	5500 lbs
Dimensions (w x d x h)	58.3" x 20" x 80"	63" x 20" (25.6") x 80"		58.3" x 20" x 73"

*The company reserves the right to supply products that may differ slightly from those described, in this publication.*



**Industrial Cutting Solutions**  
A division of USM Corporation

32 Stevens Street, Haverhill, MA 01830

Tel: 978 374 0303; Fax: 978 373 7295 [www.hudsoncutting.com](http://www.hudsoncutting.com)