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SYSCO Flat Bed Cutting Machine



AH ENGINEERING Sdn. Bhd

AH Automation Sdn Bhd

Cutting Machine Technologies

SYSCO Rotary Cutting Machine





AH Engineering Sdn Bhd



KEJURUTERAAN
AH ENGINEERING SDN. BHD.



PT AH Masindo ,M3 Front

About Us

AH is founded by Allan Len Fah Hee who is a graduate in Industrial Engineering from University of Hertfordshire, England.

AH is a trusted leader in Converting Machines, Services and Know How related cutting, lamination, slitting and general converting production of many types of end products in the Malaysian Market.

Machine applications:

Electronic plastic stickers, sheet, foam, composite gasket, insulation, paper, leather, corrugated, and cardboard etc.

Machine range:

AH Supplies standard and special design machine to suit customer's requirement supported by SYSCO Design Engineering Team. Our Automation Production Machine & System will replace labor intensive production line. Saving resources such as labor, material and cycle time with quality products thus improve productivity and profit margin.

Core Bussiness



AH Mission

© To market quality presses for die cutting, forming and lamination to suit customer requirements and to provide good technical support for our customers and machines alike with the stock of essential spare parts and continuous improvement on machine and system knowledge on our personnals.

© We grow will with our customers through mutual beneficial and partnership with good product, service and support on long-term basis.



Machine & System

- © Die Cut and Converting Systems
- © Rotary Cutting Machine
- © Smart Card Production Machinery
- © Turnkey Production System

AH Services

- © Machine Stocks
- © Machine Spare Parts
- © Machine Service Team
- © Consultation & System Design to suit customer needs.



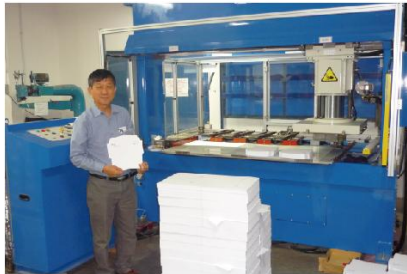
SYSCO Taiwan, our manufacturer

Taiwan Manufacture of Die Cutting & Converting Machine, Smart Card Machines.

- © Strong Research & Development
- © World wide Agents Network
- © Quality Assurance on Manufacture Processes
- © Total Commitment in Human Resources and Technology Development

SYSCO CPC SERIES

Printed Material Die Cutting to Shape & Sizes



CNC-NA 25 Special Design

● CPC-NA25/NA30

Cutting Machine with Computer Numerical control
Die-cutting system for cutting of Envelope

● Features

- 1000 programme memory in industrial computer. Easy to write cutting programmes.
- Three axis of Servo motors to drive cutting head and cut of printed envelope blanks precisely.
- Cut up to 45mm thick of sheet materials. Produce 1.4 millions blanks in 8 hours shift.
- Reliable and top end Japan made electronic components. 24 hour operation.
- Maximum blank size 500mm x 600mm.
- Save labour cost and electricity cost.
- Many other accessories.



Machine envelope blank cutting knife
or machined tool knives

● Advantages

- Industrial computer and user friendly Window NT operating system.
- Programming capability for irregular printed and non-printed cutting.
- Three axes servo motor position system ensures position accuracy $\pm 0.1\text{mm}$.
- Working capacity up to 1.4million blanks per 8 hours with maximum material stack thickness up to 50mm.
- More than 1000 program memory for irregular pre-printed and non-printed envelope cutting, each program with 100 preset cutting positions available.
- Quick and easy programming and die changing (within 5 minutes).
- Dryrun without cutting force before actual cutting can help avoid operating errors.
- Maximum blank size 500 X 600mm for paper sheet size up to 950mm X 1450mm.
- Optional paper sheet size up to 1020 X 1450mm.
- Die lubrication for clean cuts & longer tool life.
- Flattening roller eliminates air pockets to ensure cut to print accuracy.
- Pneumatic head center ejector holds stack material secure and eliminates air pockets to ensure maximum cutting size accuracy for stack material.
- Safety sensor to avoid cutting on paper clamp device.
- Ball- screw technology to move the cutting head and table along the X and Y axes, respectively, and to the most accurate possible positioning of the cutting head.
- Approved standard safety guards.
- Optional auto feeder.
- Optional adjustable two-step cutting speed for eliminating air pockets and ensuring maximum cutting accuracy.
- Optional magnetic die plate for quick and easy die changing.

● Range of Application

- Mass production cutting of every kind of printed or non-printed sheet type products.
- Mass production cutting of every kind of envelope.

End Products: envelope blanks, cut noodles cup covers envelope blanks



Printed Food Packaging Cover

Standard Sheets of Labels

● Specifications

| Model | CPC-NA25 | CPC-NA30 |
|------------------|----------------------|----------------------|
| Cutting | 25 tons | 30 tons |
| Motor | 3 HP | 3 HP |
| Cutting stroke | 150mm | 150mm |
| Open daylight | 279~81mm | 279~81mm |
| Die height range | 86~100mm | 86~100mm |
| Head | 550x650mm | 550x650mm |
| Max. blank size | 500x600mm | 500x600mm |
| Cutting force | 25 tons | 25 tons |
| Dimension | 4670Wx4150Dx2160H mm | 4670Wx4150Dx2160H mm |
| Net weight | 3500 kgs | 3500 kgs |

SYSO RBC SERIES

- Auto Balance Hydraulic Receding Head Cutting Machine
- Roll to Sheet
- Sheet to Sheet
- Full Cutting / Half Cutting



Machine Cutting Operation:

Head at up position, it moves forward, goes down to press cutting, head moves up and return to the set back distance.

Features

- CE safety version machine is our standard.
- This RBC series use a parallel cutting stroke, which is essential for obtaining accurate cut parts, as well as prolonging the life of both the die and the cutting pad.
- The cutting head slows immediately before making the cut, thereby minimizing the size difference between the top most and bottom most material layers.
- The receding head allows open access to the cutting area for manual alignment of the material sheet.
- An adjustable receding distance allows for a variable cutting-cycle speed.
- Easy to use controls for setting the height of the die.
- Material feeding systems are available.
- Noise buffering device.



Options

- Command photocell safety guard-Auto I & Auto II operating mode.
- Equipped with 4-post mechanical stops and HRC 60° hardened & ground steel plate for large area kiss Cutting. Special cutting area, stroke and cutting force are available upon request.



Die Set for full cut and half cut

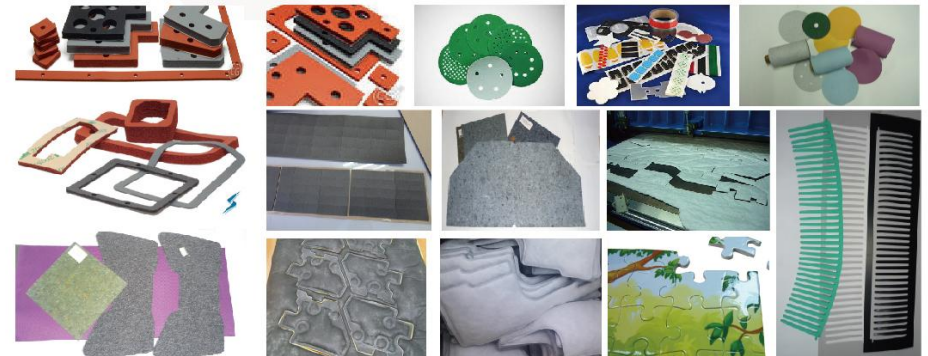
Applications

Die cutting application for a wide range of materials such as:

hardboard, paper, textiles, plastics, sponge, rubber, leather, packing, floor covering, carpeting, glass-fiber cloth, cork etc for industries of automobile uphoistery, baby carriages, balls, brassieres, labels, envelopes, paper tubes, floor tiles, garment gaskets, plastic novelties, rainwear, umbrella, rubber products, shoes, furniture chair, leather goods, luggage, cork products, toys etc.



Applications & End Products



Specifications

| Model | RBC-30 | RBC-40 | RBC-60 | RBC-100 |
|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Capacity (per 8 hours) | 4000 cuts | 4000 cuts | 4000 cuts | 4000 cuts |
| Cutting force | 30 tons | 40 tons | 60 tons | 100 tons |
| Open Daylight | 160-50 mm | 160-50 mm | 160-50 mm | 160-50 mm |
| Down speed | 150 mm/s | 140 mm/s | 120 mm/s | 100 mm/s |
| Cutting speed | 42 mm/s | 36 mm/s | 28 mm/s | 21 mm/s |
| Up speed | 150 mm/s | 120 mm/s | 100 mm/s | 90 mm/s |
| Machine bed (mm) | 600D x 1600W | 700D x 1600W | 900D x 1600W | 900D x 1600W |
| Main Motor | 5 hp | 5 hp | 7.5 hp | 15 hp |
| Dimension | 1500L x 2200W x 1400H | 1710L x 2460W x 1560H | 2520L x 2500W x 1600H | 2520L x 2500W x 1700H |
| Net weight | 2900 kgs | 2900 kgs | 2900 kgs | 2900 kgs |

* ABC-150, ABC-200, ABC-300, ABC-400 are also available design machines

SYSO HSC SERIES

High Speed Hydraulic Die Cutting Machine



Sysco HSC Standard Machine



HSC- Special design machine

Process

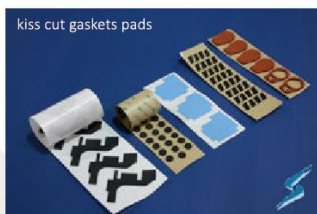
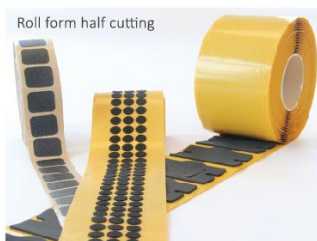
Laminate, Half cut, Parts rewind, Waste peeling, Cuts parts rewind option

HSC - Model Roll to Roll Cutting

The HSC series die-cutting machines are designed to cut a wide variety of materials: label stickers, electronic foam, rubber foam, name plates, insulation foam, automotive foam, rubber, medical rubber, felt, floor tiles, stationery plastic covers, packing materials, gaskets, p.p files, plastic film such as LCD/PC/P.P/PET/PVC etc.

Features

- High speed feed and for full or half cut of laminated foam.
- Roll or long sheet form raw materials cutting selection.
- Smooth and easy to set up for production. Easy to change knife for different model.
- Low electrical and air consumption.
- Servo motor feeding by pinch rollers adjustable high speed.
- 100 strokes per minute is feasible.
- Safety Guards for safe operation.



Abrasive Discs



Gaskets



Electronic Insulator, Anti-static Foams

Advantages

- Strong construction, with heavy duty welding of the machine frame.
- Smooth, low-impact cutting reduces the noise level to a minimum.
- Low electrical consumption due to a hydraulic system designed for optimal efficiency.
- Machine designed for easy operation and increased productivity.

Special feature:

- four post mechanical stops, simultaneously adjusted for kiss or full cut.
- HRC 60° hardened and ground steel plate, provides kiss cutting and through cutting without edge burs.
- Servo motor positioning of the roll feeder allows for precise and high speed feeding of the material (position accuracy of ± 0.2 mm, feeding speed of up to 1.5 meter/sec).
- Get a clean cut by cutting material on low cost PET belt without scratching on materials.
- User friendly touch screen. Memory storage of 300 cutting programs for one touch retrieval operation.



HSC In line roll feeding, half cutting & full cut multiple function machine



One side automatic sheet form Half or Full cutting machine



Transparent Die Cutting Knife



Flat Bed Wood Knife



Multiple Cavity Steel Rule Knife



Pinnacle Knife

Specifications

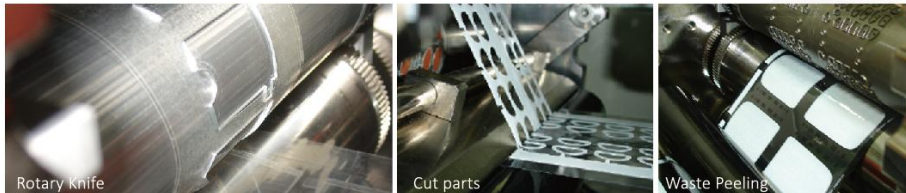
Higher tonnage machine available on requests

| Model | HSC - 25 | HSC - 30 | HSC - 40 |
|------------------------|--|--|--|
| Capacity (per 8 hours) | 2000-4000 cuts | 2000-4000 cuts | 2000-4000 cuts |
| Cutting force | 25 tons | 30 tons | 40 tons |
| Open Daylight | 155 mm | 155 mm | 155 mm |
| Down speed | 78 mm/s | 56 mm/s | 56 mm/s |
| Up speed | 165 mm/s | 107 mm/s | 107 mm/s |
| Cutting Head | 650 x 650 mm | 650 x 650 mm | 650 x 650 mm |
| Motor | 5 HP | 5 HP | 7.5 HP |
| Dimension | 1600L x 500W x 2040H 1600L x 650W x 2040H | 1600L x 500W x 2040H 1600L x 650W x 2040H | 1480L x 500W x 1850H 1480L x 650W x 1850H |
| Net weight | 2200 kgs | 2350 kgs | 2500 kgs |

SYSO RDC SERIES

Rotary Precision Converting Die Cutting Machine

Multi functions: unwind, rewind, transfer tape, remove cut waste, adhesive, vacuum out cut waste, lamination & multiple layers lamination. Top precision & intergrated processes.

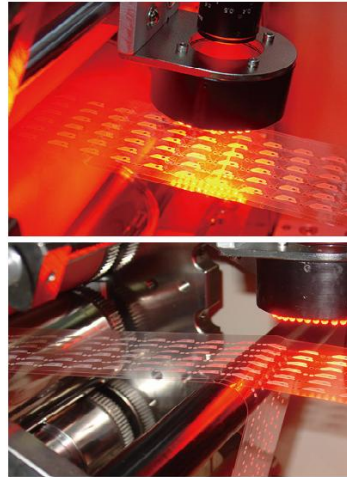


Features

- Max. 56m/min roller speed.
- Materials and cut parts are facilitated in roll form or sheet form.
- Each cutting/laminating and unwind/rewind stations driven by servomotor ensures synchronized positioning accuracy of $\pm 0.1\text{mm}$.
- Close loop tension with load cells for all unwind/rewind stands and controlled by independent servomotors provides constant accurate tension of $\pm 0.1\text{N}$.
- Accurate registration by CCD camera makes it ideal for the implementation of intricate designs over long production runs, closely nested to reduce waste.
- Active edge tracking device maintains the even feeding of material.
- The machine is available in 7 and 10 cutting/laminating stations.
- Widths available as standard on the machine: 250mm or 10" and 330mm or 13".
- Easy movable & adjustable operator screen for more comfort. All cutting/laminating and unwind/rewind stations communicate between each other and adjust automatically through Sysco special programming software.

Vision Camera for Capture Part Outline

Unique interactive CCD machine vision system to do alignment and inspect.



Application & End Products

Mobile phone, computer, medical device :

Pads, mice, screens and gaskets, Hard disk components :Disk pads, dampers and zone transfer adhesive, Electrical conductors and insulaors, Shields, Filters and seals, Flexible PCB, Medicated corn discs, Water aides



A world class product with 20 years of precision successful production run in China

RDC-M7 CNC Rotary Die Cutting Machine

CNC RDC-machine for electronic devices:

Converting components for the mobile phone, PDA, LCD, STN and smart label.



Specifications * Higher Models RDC-M10, RDC-M12 are available

| Model | RDC-M4 | RDC-M7 |
|--------------------------------|--|---|
| Number of die sets stand | 4 | 7 |
| Number of main unwind | 1 | 1 |
| Number of upper material stand | 4 | 6 |
| Number of lower material stand | 2 | 4 |
| Number of main rewinder | 2 | 2 |
| Servo Motor | 1.5kw x 4 sets, 1kw x 3 sets 0.75kw x 6 sets, 100w x 1set | 1.5kw x 7 sets, 1kw x 3 sets 0.75kw x 10 sets, 100w x 1set |
| Production speed | Max. 30 meters per minutes | Max. 30 meters per minutes |
| Material type | Roll | Roll |
| Max. material width | 250mm | 250mm |
| Dimension | 3130W x 1700D x 2206H mm | 4130W x 1700D x 2206H mm |
| Net Weight | 3000kgs | 4000kgs |

SYSCO CPC

CNC Incremental Sheet Cutting Series Sheet to Sheet end products



CPC-70

Input Die Outline Data via copy knife or product outline using Die Pattern Device, using Sysnest Software. Or using Autocad outline drawing in CPC machine.

Features

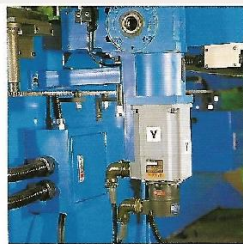
Mitsubishi Servo Motor & Drive
360 deg. rotation head with mounted knife
Head lateral servo drive movement.
Table incremental servo drive with precision

Application & End Products

This machine is used in an extremely wide range of applications including: textiles, plastics, rubber, foam, composites, paper, paperboard, wood, synthetic leather, cork, felt, and items like automotive upholstery, gaskets, filters, abrasives, shoe components, shoulder pads, medical supplies, packaging, shirt collars, sponges, caps, linings, balls, label stickers, plastic floor tiles, leather goods, stationery articles, document files, boxes, brassieres, floor mats, carpets, toys etc.



X & Z Axis For cutting head travelling & rotation



Y Axis For feeding material table in & out



SYSCO CPC-70 CNC 3 Axes Incremental Material Cutting Machine

Specification

Model : CPC-70
Cutting : Force 70 tons
Cutting Head : 650mm x 650 mm
Cutting Stroke : 110 mm
Machine Bed : 760 mm x 2500 mm
Effective Area: 710 mm x 1600 mm
Material Table: 3500 mm long x 1500 mm wide



SYSCO CPC-BT

CNC Cutting Machine Cut on Nylon Feeding Belt System Roll to Sheet end products



CPC-BT40

Features

- Ball screw with servo motor drive of cutting head ± 0.1 mm
- 4 post mechanical stoppers to give just a clean shallow cut
- Cut parts come put with servo motor driven feeding belt.
- Automatic nesting to give maximum high yield and save materials.
- 9999 cutting programmes in memory, save operation time
- Multiple layers being clamped feeding and cut.

Specifications * bigger machine available

| Model | CPC-BT25/BT30/BT40/BT70 |
|------------------------|-------------------------|
| Capacity (per 8 hours) | > 8000 cuts |
| Cutting force | 25/30/40/70 tons |
| Open Daylight | Max: 160mm/140mm |
| Down speed | 150/120mm/s |
| Up speed | 170/100 mm/s |
| Machine Bed | 500 mm x 1800 mm |
| Motors | 5-10 HP |
| Net weight | 5500 / 8500 kgs |

Application & End Products

Shoe Insole, Abrasive Disc, Floor Mat, Auto Parts, Leather Goods, Bras etc.



Steel rule knife



SYSCO ABR

Fully Automatic Die Cutting
Knockout & Stacking System
For Abrasive Disc



Specifications

| Model | ABR-40 |
|---------------|---------------------------|
| Cutting Force | 40 tons |
| Open daylight | 210-100mm |
| Cutting Head | 600 x 650mm |
| Machine Bed | 760 x 2500mm |
| Motor | main:7.5HP servo: 2HP x 3 |
| Dimension | 8860W x 5500L x 2470H mm |
| Net Weight | 9000 kgs |



ABR-40

Features

Three sets of servo motor position systems, position accuracy $\pm 0.2\text{mm}$.

Working capacity up to 57,600 pieces of abrasive disc per 8 hours with two cavity cutting die to cut two plies of roll material.

User friendly computer control and 100 cutting program memory provides easy operation.

Cut part auto knock out & stacking system will stack cut parts to preset quantity ready to be packed. This function can save several workers.

Auto cutting directly from jumbo rolls can not only simplify manufacturing process, but also achieve material savings up to 15%.

Unique stainless steel grid plate feeding device & stacking system can achieve perfect feeding & stacking results for all kinds of non-woven felt, velcro backing, and pressure sensitive adhesive(PSA) release paper backing of abrasive sandpaper material.

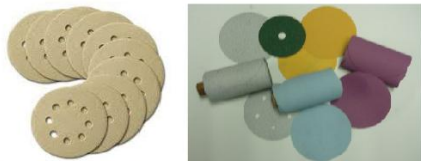
Separate sealed hydraulic unit with external line filter and seal-protected moving parts protects against abrasive entry and can provide excellent machine durability.

Unique function cuts deeper automatically to compensate for worn-out die blade edges and obtains excellent clean cut parts.

Motorized 4 post mechanical stops stroke control device allows the cutting die to just touch the cutting surface and therefore can provide excellent die and pad life.

P.P. pad shifter device can save cutting pad cost and provides clean cut parts.

Range of Application



Abrasive Disc Mass Production

Specifications

| Model | CPC-E30 |
|-----------------------------|--------------------------|
| Cutting Force | 30 tons |
| Open daylight (head to bed) | 30-160mm |
| Cutting Speed | 5 seconds/cutting |
| Cutting Head | 650 x 650mm |
| Machine Bed | 500 x 2100mm |
| Max. Head Traverse | 1450 mm |
| Motor | 5HP,1HP x 2 |
| Dimension | 2400W x 3500L x 2200H mm |
| Net Weight | 3000 kgs |



ABR-30

CPC - 30 Model X & Y Axis Cutting Machine

Wide Cutting Application:

Plastic, Textile, Rubber, Gasket, Filter, Abrasive, Shoe Parts, Carpet, Toy Parts, Foams, Felt etc.

AH Swing Arm Series

European Design
Hydraulic Swing Arm Cutting Machine
for cutting small parts

Features

- Fast built up of hydraulic pressure.
- Low noise level & circulation cooling of hydraulic oil.
- Double hand switches for safety operation of cutting process.
- Low power consumption but high built up cutting pressure.
- Durable circuit board and control system.
- Very low wear & tear parts.
- Easy setting of cutting pressure & height.
- Good spare parts & service support.



End Products

Sample Carpet, Sample PVC Tile, Shoe Component, Small Toy Component, Brassiere Textile Parts, Material Sample Catalog, Carpet Tile Sample Catalog.



Specifications

| Model | SY-622 | SY-627L | SY-627XL (500 mm) |
|--------------------|----------------------|----------------------|-----------------------|
| Pressure | 22 tons | 27 tons | 27 tons |
| Stroke | 70 mm | 70 mm | 70 mm |
| Motor 3 phase 415V | 1 HP/ 0.75kw | 1 HP/ 0.75kw | 1 HP/ 0.75kw |
| Workspace | 900 x 430 mm | 900 x 430 mm | 1000 x 500 mm |
| Arm Width | 370 mm | 500 mm | 610 mm |
| Machine Size | 900 x 850 x 1300 mm | 900 x 970 x 1475 mm | 1000 x 1050 x 1475 mm |
| Wooden Case Size | 910 x 1010 x 1642 mm | 910 x 1070 x 1652 mm | 1200 x 1250 x 1675 mm |
| N.W. | 620 kg | 900 kg | 1025 kg |
| G.W. | 650 kg | 950 kg | 1085 kg |
| Oil | 25 kg | 38 kg | 38 kg |

SYSKO ABC Series

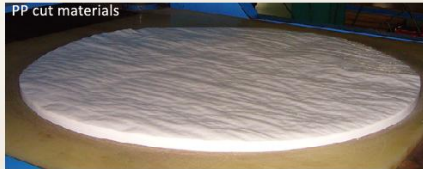
Roll or Sheet Form Converting



● Range of Applications & Cut Products

This cutting machine is suitable for the large wide of diffusion roll material and reflection film For LCD, BLM industries. The machine is equipped with four column two hydraulic cylinders and double mechanical balance mechanism to ensure high stability and accuracy with cutting depth +/-0.02mm, and guarantee long lifetime of PET belt and die.

PP cut materials



Cut Carpet Tile



PVC Floor Tiles



PU Foam



Formed Rubber Mat
after cutting



EPE Foam



SYSKO Flat Bed Cutting Machines



● Features

- ◎ Strong construction, with heavy duty welding of the machine frame.
- ◎ Smooth, low-impact cutting reduces the noise level to minimum.
- ◎ Low electrical consumption due to a hydraulic system designed for optimum efficiency.
- ◎ Improve productivity, machine is designed for easy operation.
- ◎ Special Features:
Four post mechanical stops, simultaneously adjusted for kiss or full cut.
- ◎ HRC 60° hardened and ground steel plate, provides clean kiss or full cutting without edge burs on materials.
- ◎ Servo motor control of the roll feeder allows for precise and fast feeding of the materials.
- ◎ Feeding speed of materials up to 1.5 meter/sec.
- ◎ Get a clean cut by cutting material on low cost PET belt without scratching on material.
- ◎ User friendly touch screen.
- ◎ Memory storage of 300 cutting programs for one touch retrieval operation.
- ◎ Motorized material stand to unloading the material and tension control.
- ◎ Edge tracking for ensure the feeding material straight.



ABC Die Cutting Press
with automatic sliding table



ABC 150-350 tons
High Tonnage Jig Saw Cutting



ABC-60 Cutting Press with Incremental
Long Material Table



ABC-100 Fully Automatic Carpet Tile
Cutting machine using tool die

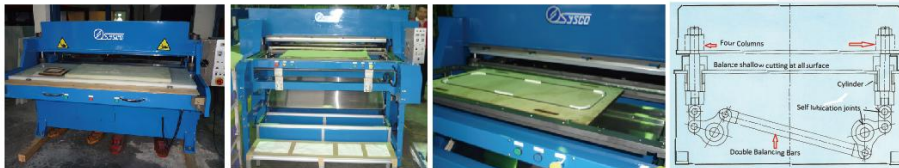
● Specifications

| Model | ABC-40 | ABC-70 | ABC-100 | ABC-200 |
|-------------------|-------------------|-------------------|-------------------|-------------------|
| Cutting Force | 40 tons | 70 tons | 100 tons | 200 tons |
| Open daylight | 135-25mm | 135-25mm | 135-25mm | 135-25mm |
| Down Speed | 200mm/s | 200mm/s | 200mm/s | 200mm/s |
| Up Speed | 153.8mm/s | 180.6mm/s | 180.6mm/s | 180.6mm/s |
| Machine Bed (DxW) | W1200 x D900 mm | W1600 x D2000 mm | W2000 x D2600 mm | W2000 x D2900 mm |
| Motor | 5HP | 5HP | 5HP | 5HP |
| Dimension | W6000 D3000 H1900 | W6000 D3000 H1900 | W6000 D3000 H1900 | W6000 D3000 H1900 |
| N.W. | 8000kgs | 8000kgs | 8000kgs | 8000kgs |

SYSCO ABC SERIES

Auto Balance Hydraulic Full Head Cutting Machine In-Line Cutting Production System

German Design Double Balance Bars for accurate cutting. Fly wheel Motor Save energy and fast built up pressure. Fast head descending, short cycle time. Central lubrication of joints. Safe easy setting and low noise operation.



ABC- 30
with Manual Table

ABC- 40
Servo Auto Table

ABC- Cutting Knife
face up

ABC-70

Features

- Four column down-stroke presses with full head. Open daylight adjust by timer. Low pressure setting for point adjustment to set the daylight to die height via knurled handle. Cutting force adjust by timer. All the process within one minute.
- Fly wheel system with low power motor to achieve high tonnage cutting force with low electric power consumption.
- Two differential cylinders are vertically installed in the base. The stroke movement are transmitted to the columns and beam via a double mechanical balance mechanism. This mechanism ensures plane-parallel movement of the beam even under off-center loads to avoid transformation of the die shape and guarantee long year precision of the machine.
- Full head quickly go down until touching die and material, the down-stroke automatically change to slow speed to minimize the side difference between toppest layer and lowest layer material for accurate cut piece.
- Automatic central lubrication system continuously lubricates all the main machine bush and bearing.
- Attach with optional feeding system to achieve automatic die cutting plants for all the specific industries.
- Low noise device ensures low noise & low shock cutting of the machine.

Options

Single or double manual or automatic sliding table. Pad shifter device custom design machine on requests.

Specifications

| Model | ABC-25 | ABC-30 | ABC-40 | ABC-60 | ABC-100 | ABC-150 |
|-----------------------|----------------------|----------------------|-----------------------|-----------------------|----------------------|-----------------------|
| Cutting force | 25 tons | 30 tons | 40 tons | 60 tons | 100 tons | 150 tons |
| Open daylight | 145-45mm | 160-50mm | 160-50mm | 160-50mm | 160-50mm | 160-50mm |
| Down speed | 85mm/s | 150mm/s | 140mm/s | 120mm/s | 100mm/s | 90mm/s |
| Up speed | 110mm/s | 150mm/s | 120mm/s | 100mm/s | 90mm/s | 90mm/s |
| Machine bed (D x W) | 500x1600mm | 600x1600mm | 700x1600mm | 900x1600mm | 900x1600mm | 900x1600mm |
| Motor | 3HP | 5HP | 5HP | 7.5HP | 15HP | 20HP |
| Dimension (W x D x H) | 2200 x 1400 x 1400mm | 2370 x 1840 x 1430mm | 2500 x 1960 x 1480 mm | 2500 x 2200 x 1490 mm | 2500 x 2200 x 1530mm | 1725 x 2300 x 1710 mm |
| N.W. | 1700 kg | 2600 kg | 2700 kg | 4150 kg | 6000 kg | 7500 kg |

ABC Auto Balance Cutting Machine



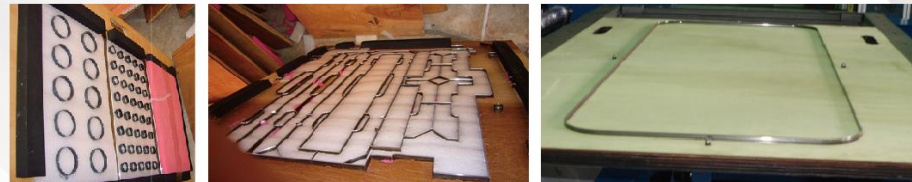
ABC model with
Servo table

ABC-Series
Auto Sliding Table

ABC model with
manual table machine

Cutting Knives

Cutting force 25-150 tons. Manual or motorized, single or double sliding table, Cutting pad can be mounted on table or under head. Suitable for sheet material cutting with blade upward or downward cutting die.



Applications

Die cut of plastic, rubber, foams, composite materials, filter, shoe parts, felt, leather, sponge, documents file, caps, sport goods, toy etc.

ABC-E Cutting Machine

Machine with Auto Texabil Feeding System for cutting sheet material.

- Four column toggle balancing mechanism provide even cutting depth of the full head.

- 10mm slow speed before touching cutting die (Material not included) bring working capacity of one set equal to 2 sets other brand.



Specifications

| Model | ABC-E2550 | ABC-E60 | ABC-E100 |
|------------------------|---|--------------|---------------|
| Capacity (per 8 hours) | 4000 cuts on manual / 800 cuts (automatic cut system) | | |
| Forces (Tons) | 25 | 60 | 100 |
| Open daylight | 145-45mm | 160-50mm | 160-50mm |
| Down Speed | 110mm/s | 120mm/s | 100mm/s |
| Up Speed | 110mm/s | 100mm/s | 90mm/s |
| Machine Bed (mm) | D500 x W1250 | D900 x W1500 | D1200 x W1600 |
| Motor | 3HP | 7.5HP | 15HP |
| Net Weight | 1350kgs | 2700kgs | 4150kgs |

Accessories

Accessories for Die-Cutting Machine

German PP Boards

Roehling German PP Board Dimensions
Ex-stock AH Puchong Warehouse

5.0 mm x 1220 mm x 2440 mm

6.0 mm x 1220 mm x 2440 mm

10.0 mm x 1220 mm x 2440 mm

12.0 mm x 1220 mm x 2440 mm

20.0 mm x 1220 mm x 2440 mm

25.0 mm x 1220 mm x 2440 mm

Application

PP Board serves as Steel Rule Knife Base Cutting Board
Uses of PP Boards in Shoe, Leather, Paper, Cardboard, insulation & related foam, felt, plastic film, packaging tray, and many non-metal materials.

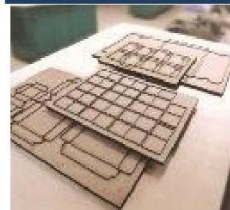
Pinnacle Knife



Tool Die



Steel Rule Mould



Die Sharpener made in USA

- Rusty & blunt knife edges become sharp with 2-3 pulling within seconds.
- Save handling & knife blades changing cost.
- Sharp knife cuts with clean edges.



Double face sharpening bits, interchangeable

Sharpens Tool Like New at 15° angle

Other Range of Production Machine, Parts & After Sales Service Are Available

Machines

- Vacuum Forming Machine
- Hydraulic Forming Press
- Rubber Moulding Press
- Hydraulic Press
- Distribution & After Sales Service
- Guillotines
- Cutters
- Turnkey Card Production Line
- General Production Line for Plastic & Rubber Products

Distribution & After Sales Service

- New or Reconditioned Machines
- Service Network based in Selangor, Johor & Penang
- Experienced & Efficient Field Service Staff
- Worldwide Customer Hands-on Feedback on Problem Solving
- Continuously Growing & Developing Customer Needs & Satisfaction

Die-Cut & Converted Products Using SYSCO Machines & System



01. Footing, Cushion, Insulation & adhensice foam for electronic industries



02. Flexible Printed Circuit



03. Components for mobile phone, PDA, LCD, STN & smart label.



04. Spacers



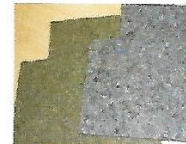
05. Rotary Cut to Shape



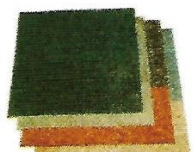
06. Abrasive Disc for wood & metal polishing



07. Auto floor mat



08. Automative insulation felt



09. Carpet Tiles
PVC Rubber Tiles



10. Envelope Blanks & Stationary



11. Polyurethane(PU) or EPE packaging foams



12. Vacuum formed palstic tray



13. Medical rubber parts



14. Gaskets



15. Plastic, Paper, Playing Cards



16. Leather Products



17. Insulator for Engine



18. Dental Dam & Exercise Band



19. Exercise bands



20. Labels



21. Hard disks

SYSCO SGC Series

Soft Roll Material
Slitting to widths &
cutting to lengths
-Roll to Sheets



Advantages

- Do slitting and guillotine cutting application at the same time to simplify production process and therefore save labor cost and handling cost.
- Servo motor control feeding ensure feeding tolerance within $\pm 0.1\text{mm}$
- 10 steps feeding speed adjustment from 5 meters per minute to 50 meters per minute to meet different specification of materials.
- Maximum guillotine cutting length up to 1 meters per cut.
- Guillotine cutting application of special material is available upon request.

Options

- Slitting knife.
- Guillotine knife.
- Air slitting knife device.
- Jumbo roll motorized material stand.
- Dual air shaft rewind stand.
- Inboard separation and rewind stand.
- Auto edge tracking device(PLC control).
- Static electricity eliminator.
- Available for material width 900mm, 1200mm, 1600mm upon request.

Machine selections

Material widths of 1400 mm or 1600 mm or 2000 mm jumbo roll

Range of Application

Cut and Slit roll form materials to required width and length into rectangular or square shape.

Specifications

| | |
|-------------------------|---|
| Capacity | 5M-50M per minute |
| Motor | Servo Motor: 1HP Cutting Motor 1/2HP |
| Dimension | 1900W x 1400D x 1200H (mm) |
| Net Weight | 1500 kg |
| Max. Material Width | 1400 mm |
| Max. Material Diameter | 600 mm |
| Max. Material Thickness | 2 mm |
| Min. Slitting Width | 40 mm |

Materials

PVC diary book cover, paper, insulation foam, medical rubber film.

foil, abrasive sheets. Clean Room compliance option

Super Cutter Series

TK-650RM

Micro-Computer X-Y Axis
Piece Cutting Machine - Roller



● Features

- HighTech Software Control.
- Servo Motor & Drive give accurate feed ± 0.1 mm
- PLC Sequence Control and Touch screen data memory record
- Safety knife seat safety pin prevents knife descending in power failure.

● Materials

Rubber, polymers, plastic film or foam, tapes (double sided), cloth, heat or conductive material, anti static magnet ect.

● Specifications

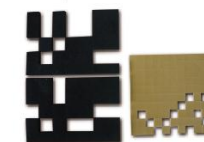
| Model | TK-650RM | TK-1250RM |
|-----------------------------|------------------|------------------|
| Max. width for straight cut | 650mm | 1250mm |
| Cutoff | ○ | ○ |
| Kiss-cut | ○ | ○ |
| Cutoff & Kiss-cut | ○ | ○ |
| Die | ○ | ○ |
| Die size | 600x100mm | 1200x100mm |
| Die Height | 23.6mm | 23.6mm |
| Stroke | 40mm | 40mm |
| Material | Piece/Roll | Piece/Roll |
| Max. piece size | 650x650mm | 1250x1250mm |
| Power | 6.5KVA | 9.5KVA |
| Motor power of knife | 5.5KW | 5.5KW |
| Motor power of feeding | 0.75KW | 0.75KW |
| Feeding | Roller | Roller |
| Ture function | X | X |
| Measurement | 1800x1150x1700mm | 2300x1200x1700mm |

TK-650YM

Micro-Computer X-Y Axis
Piece Cutting Machine - Clamping



Cut parts



Cut parts



Cut parts

● Features

- R & D HighTech Software Control.
- Servo Motor & Drive give accurate feed ± 0.1 mm
- PLC Sequence Control and Touch screen data memory record
- Safety knife seat safety pin prevents knife descending in power failure.



Cut parts

● Applications

Suitable for Cutting Roll or Large Sheet into small rectangular or square shape into strip or piece form.

● Materials

Rubber, polymers, plastic film or foam, tapes (double sided), cloth, heat or conductive material, anti static magnet ect.

● Specifications

| Model | TK-650YM | TK-1250YM |
|-----------------------------|---------------------|---------------------|
| Max. width for straight cut | 650mm | 1250mm |
| Cutoff | ○ | ○ |
| Kiss-cut | ○ | ○ |
| Cutoff & Kiss-cut | ○ | ○ |
| Die | ○ | ○ |
| Die size | 600x100mm | 1200x100mm |
| Die Height | 23.6mm | 23.6mm |
| Stroke | 40mm | 40mm |
| Material | Piece | Piece |
| Max. piece size | 650x650mm | 1250x1250mm |
| Power | 6.5KVA | 9.5KVA |
| Motor power of knife | 5.5KW | 7.5KW |
| Motor power of feeding | 0.75KW | 0.75KW |
| Feeding | Clamping with table | Clamping with table |
| Ture function | X | X |
| Measurement | 1800x1600x1450mm | 2800x2300x2000mm |

Super Cutter Series

Incremental Cutting Machine

TK-650PY Clamping Type X-Y Axis Piece Cutting Machine



Features

This machine employs PLC & man-machine touch screen for operation.

The machine being installed with (grinding grade) ball screws can feed material accurately.

The flywheel cutting knife is installed with solenoid clutch. Its output is stable, and is very suitable for half cutoff.

Applications

This machine is suitable for cutting magnetism or heat conducting materials, such as silicon sheet, double-sided tape, bubble sponge, electric conducting cloth, heat radiation sheet, etc...

Specifications

| Model | TK-650PY |
|-----------------------------|---------------------|
| Max. width for straight cut | 650mm |
| Cutoff | ○ |
| Kiss-cut | ○ |
| Cutoff & Kiss-cut | X |
| Die | X |
| Die size | X |
| Die Height | X |
| Stroke | 30mm |
| Material | Piece |
| Max. piece size | 650x650mm |
| Power | 1.75KVA |
| Motor power of knife | 0.75KW |
| Motor power of feeding | 0.75KW |
| Feeding | Clamping with table |
| Ture function | X |
| Measurement | 1800x1300x1500mm |

TK-650PY Clamping Type X-Y Axis Piece Roll to Sheet Cutting Machine



Features

This machine employs PLC & man-machine touch screen for operation. Cutting length and cutting quantity are settable. The feeding servo motor (1 HP, AC) has a high accuracy. Cutting loss is less. Roller-driving feeding device stabilizes the material feeding.

Applications

This machine is suitable for cutting electric conducting cloth, mylar, insulating paper, PET, copper film, release paper and diffuser film.

Specifications

| Model | TK-650PY |
|----------------------------------|---|
| Material feeding Motor | 1.0 KW 1 Phase (Servo & Driver with PLC control) |
| Cutting Blade Motor | 2.0 KW AC 1 Phase |
| Cutting width | 1 to 1250 mm |
| Cutting length | 1.0 mm to 10.0 meters |
| Material Stand & tension Control | one set |
| Part Collection Slide | one set |



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