

TECHNICAL SPECIFICATIONS

Model : MY CUT Series	Unit	72 (28")	95 (37½")	115 (45")
Cutting Width	mm	720	950	1150
Feed Depth	mm	720	950	1150
Clamp Opening	mm	100	130	130
Weight Approx	k.g.	2000	3000	4000
Machine Width without side table	mm	1550	1950	2325
Machine Width with side table	mm	1700	2100	2500
Machine Length	mm	1850	2300	2650
No. of Cut in continuous run	Nos.	32	40	40
Front table Length	mm	580	680	750
Table Height	mm	800	900	850
Clamp Pressure (Minimum)	k.g.	200	450	500
Clamp Pressure (Maximum)	k.g.	1250	3500	4000
Smallest Cut without false clamp	mm	20	22	25
Smallest Cut with false clamp	mm	65	85	85
Back gauge Speed (Normal)	mm/Sec	50	50	50
Back gauge Speed (Express)	mm/Sec	200	200	200
Supply Current - Phase	Amp	16	20	20
Size of Wire	mm	2	2.5	2.5
Power Required (Main drive)	H.P.	2	3	5
Total Power required	H.P.	4	5	7

RIGHT OF CUTERANATION IS RESERVED FOR CHANGES & IMPROVEMENT IN THE MACHINE.



The Cutting Edge of High Accuracy

Linear, Secure & Rapid

Linear

Rapid

Secure



Paper Cutting Machine

Manufactured by :

M.D. ENGINEERING WORKS

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MICROCUT
My Cut

TECHNICAL PRECISION

The 'MICROCUT' MyCut series is a fully automatic computer controlled high speed paper cutting machine which has the most reliable, safe and accurate cutting facilities. Apart from safety, reliability, and accuracy, it meets with various cutting needs of users like low to high production volumes, continuous production, ease of operations, production control and perfect diagonal accuracy of jobs. Which covers entire range of cutting requirement from little to large printing paper converting industries due to state of the art technology, precision engineering, quality assurance, excellent customer support.

The 'MICROCUT' MyCut series has radial shape with light color and design in frame construction with very user-friendly operation panel and program. It has a prompt positioning speed to match with high volume production for timely delivering jobs at time. On-line programming with remote programming facilities gives 100 % flexibility to operator for operate machine in programme mode or manual mode. The machine is backup with digital positioning display at all the times even in manual mode. Wider clamp opening and availability of air nozzles throughout the main table as also side tables gives easiness in cutting and handling bulky jobs. The 'MICROCUT' MyCut series is a result of swift growth of inventive design and technology which run by future requirement of the paper industry.

To achieve high productivity with safety and accuracy The 'MICROCUT' MyCut series is designed in such a way that customer get maximum productivity at low cost, by reducing rejection, operation time, labour cost of critical, small, medium and large jobs and also eliminate power and space expenses. Programmable machine gives higher production than hydraulic clamp simple machine. Depending on nature of job with up most repeat accuracy which cannot be achieved from any of simple hand or hydraulic operated machine.

DESIGN OF THE MACHINE

Centrally expanded box type design & graded material of all Casting parts & main parts, Gives rigidity & robustness for long life to the machine. Quality material are use to withstand wear & tear. Precise assembly design gives smooth & linear working of machine. All rotating parts are dynamically balanced for vibration free uniform working of machine.

AIR TABLE

Air float table is provided to facilitate easy movement of heavy stock. Air table helps in handling bulky stock with less efforts, gives comfort and easiness to operator for better & high speed production of bulky & heavy Jobs



INNOVATIVE ELECTRONICS

The 'MICROCUT' MyCut series equipped with Very Simple & user friendly control Panel - Bright LED display for flicker free & radiation free display.

- Rotary encoder interface for accurate position feed back.
- State of Art CNC position control to give high precision Hunting / Search for final position.
- Total digital Input-Output for perfect controlling of machine
- Universal & safe power supply & Less no. of cards.
- Key Board with symbolic Key for easy understanding of functions.
- Flush type, dust proof, feather touch, easily operated key for smooth operation of program unit
- Four Dual Key for faster operation on key board
- Key Board with MIMIC showing Actual machine operation with the help of Led signals on keyboard.
- MIMIC help Understand internal function of machine & trouble shooting during running
- Remote Programming to save power during Programming & ideal time.



PROGRAMME FEATUERS



THE 'MICROCUT' MyCut series with numerous functions for ease & speedy accurate production. All steps are easy to learn and particularly quick to operate.

- 99 Programmes and 50 cutting steps storage capacity
- Cut & Store
- Label Cutting Programming
- Smart Calculator Function
- Auto selection of first Blank programme
- Cm/Inch Selection
- Calibration checking with & without actual movement of backgauge
- In between step programme running facility
- Clear, Correct, delete or insert steps
- Shrinkage correction
- Single & continue cutting operation
- Computer Bypass for manual operation of backgauge
- Digital Cut Counter Online Error message.

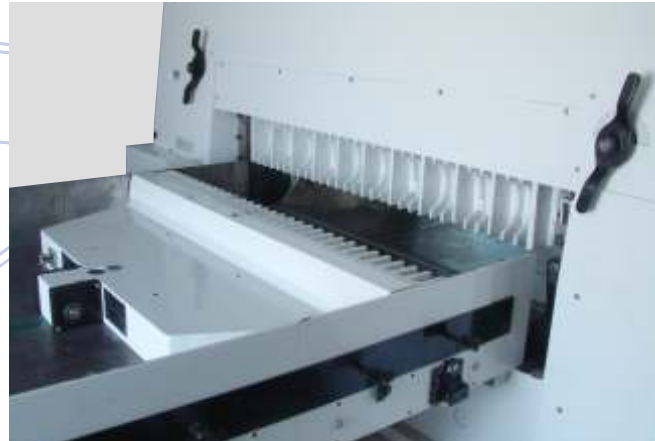
STANDARD ACCESSORIES

- Two Row infra-red safety guard
- Optical cut line indicator
- Knife changing device
- Air float table
- Slot closing tap
- Back guage knobs
- Grounded & Chromed Side Gauges
- Two piece backgauge segment
- Over Load Stud
- Cutting Line Bulb
- S.S.Coating on Front Side of Table
- One set of tools.
- One instruction manual & wiring diagram.

BACKGAUGE

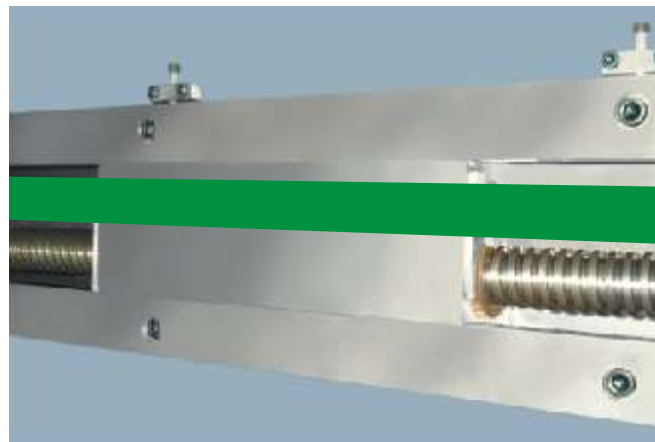
The 'MICROCUT' MyCut series machines

- Backgauge is driven by frequency controlled Ac Drive for uniform movement & automatic multi speed adoption.
- Back gauge Traveling on Rapid speed 200 mm/sec i.e. 12000 mm/min which achieving position rapidly hence majority of time can be saved during production & results 30 % higher production than any other ordinary programmable cutting machine.
- Unidirectional positioning approach to eliminate Back Lash.
- Dual Nut System to eliminate mechanical Backlash to achieve lifelong positioning accuracy.

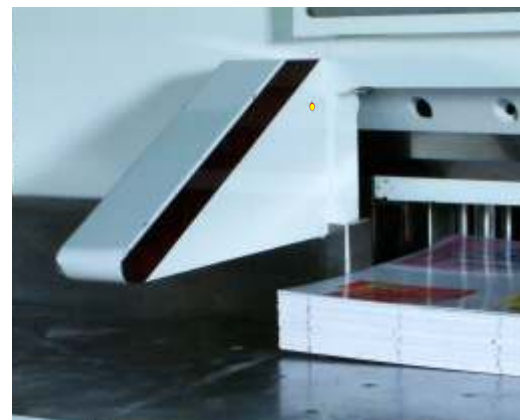


BACKGAUGE ACCURACY

- Paper Cutting Machine having Calibration Accuracy of Backgauge ± 0.01 mm.
- Position repeatability of Backgauge ± 0.01 mm.
- Back gauge setting knob for quick & easy adjustment of Horizontal & Vertical setting of back gauge.
- No need to Open bolts for critical setting of Back gauge which ensures perfect parallel & right angle Cuts.



SAFETY MESUERS



As per Safety standard it is not advisable to operate Paper cutting machine without Photo Safety. The 'MICROCUT' Paper Cutting Machine equipped with Two row of infrared safety barrier with row selection facility in front of cutting area to avoid accident which ensure safety at all the times while fault in one row.

- Mechanical overload device to avoid serious damage by providing overload stud.
- Two Push Button operation System Unique safety device to prevent double Cutting stroke.
- S.S. Coated Front table prevents stock from rust & dust.
- Slot cover tap to stop paper trapping and to prevent dust on gauge screw.



CUTTING SYSTEM

The 'MICROCUT' MyCut series paper cutting machine Having Flat 45° swinging shear cutting motion on double slide guides for knife - Box type clamp bars has triple slide guides - Oil deep main worm gear with permanent lubrication bath system lifelong accurate cutting.

POSITIVE DRIVE CLUTCH

The 'MICROCUT' MyCut series has in built Positive drive Hydraulic clutch system for knife drive instead of electromagnetic clutch.

- Hydraulic Clutch ensures slippage free motion of drive More reliable for energy transmission & response is also faster in compare to Electromagnetic clutch
- It has less wear & tear, totally maintenance free.
- Also save power of electromagnetic clutch.



HYDRAULIC CLAMPING SYSTEM



The 'MICROCUT' MyCut series paper cutting machine having Hydraulic system with almost pipe less, inbuilt, compact & maintenance free power pack.

- Pressure Clamp equipped with telescopic Dual pressure cylinder having a Dual pressure system for pressure clamp
- First pressure will make fair clamping on the Stock
- Second pressure will tightening the grip while cutting. As a result of this user get a perfect cut.

- Hydraulic clamp pressure which can be set from 200 kgs. To 4500 kgs. with the help of pressure knob
- Mechanical Foot operating of clamp for perfect setting of stock.
- CUTTING LINE INDICATORS : Optical cutting line indicators are provided.
- FLEXIBLE FALSE CLAMP : To remove clamping impression on the job



Cut On
Your Way



72^(28"), 95^(37½"), 115^(45")



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