



UNIVERSAL MACHINES

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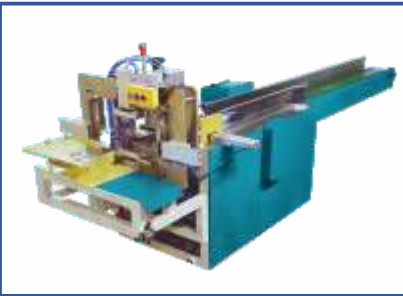
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UNIVERSAL MACHINES

COMPANY PROFILE



We, **UNIVERSAL MACHINES** are a leading **manufacturer, supplier and exporter** of paper converting machines. We have a nation wide network facilitating prompt delivery every time irrespective of the location. Our products include High Speed Automatic Paper Napkin Making Machines, Toilet Roll Making Machines, C-Fold Towel Making Machines, Teleprinter Roll Making Machines, Aluminum Foil Rewinding Machines, Simplex Duplex Slitting Machines, Heavy Duty Surface Rewinding Machines, Flexo-printing Machines, Automatic Paper Bag Making Machines, Spiral Paper Tube Making Machines, etc. Our products are tailor made as per customer requirements. Due to their technical efficiency, our machines are in great demand worldwide.

Our well developed manufacturing facility and expert team are our key strength facilitating us to design and develop paper converting machines and allied products as per the exact requirements of the market. We upgrade our equipment and technologies with the changing trends in the market, thus manufacturing newer products with additional features.

We strongly believe in highest quality of standards for our paper converting machines and excellent after sales services. A dedicated sales/services staff - both front-end and back-end work to meet the requirements of our customers.

Should you have any specific requirements, please do contact us and we shall be pleased to submit a quote. We can also demonstrate the functioning of the paper converting machines, if required.

Quality Assurance

A total quality management (TQM) approach is adhered to at **UNIVERSAL MACHINES**. All the processes right from raw material sourcing to manufacturing are very efficiently handled by our adept personnel. Their skill coupled with our technically advanced production mechanisms have resulted in products that have long work life, require less maintenance, give high performance and have zero-defects.

Our dexterous team comprising of mechanical engineers, technocrats, quality control personnel amongst others has only one objective in mind--deliver quality solutions to clients. All activities are directed towards achieving this objective.

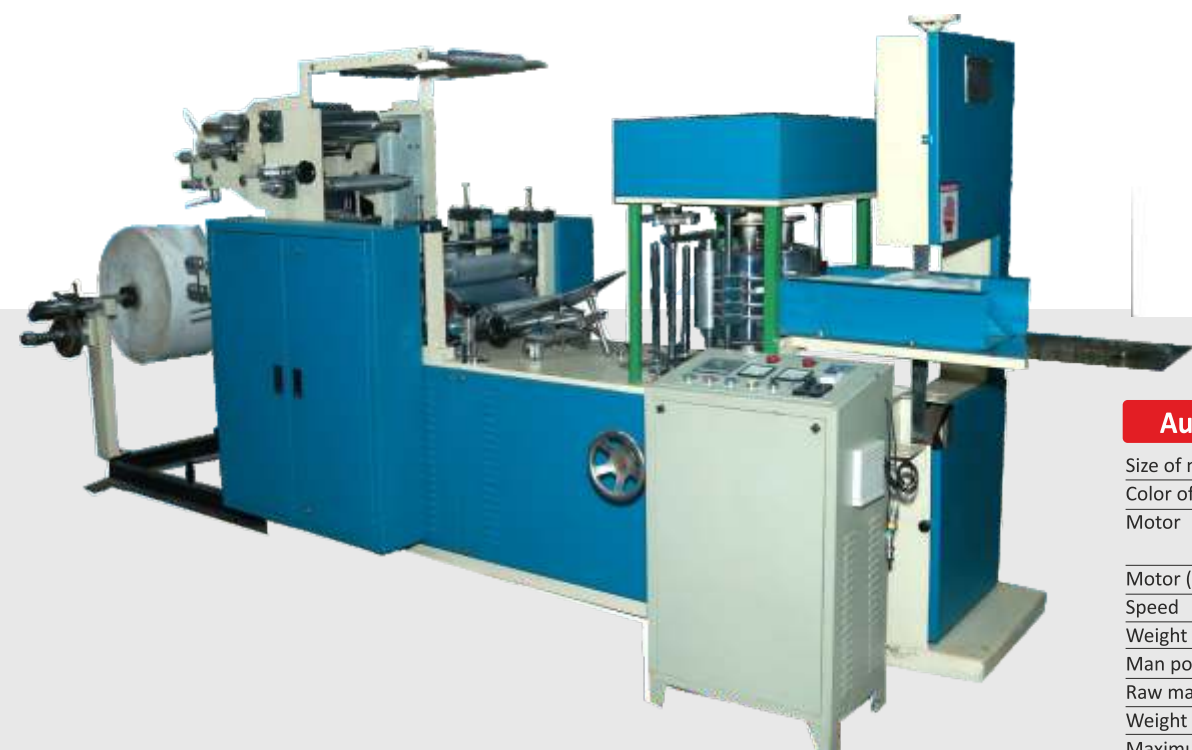


Automatic Two Color Printing Embossing Napkin folding Machine (2 Line)

Size of napkin	: 400mm/330mm/300mm/270mm/250mm/230mm/220mm/200mm
Color of printing	: (As per requirement) of flexography printing
Motor	: 2 HP DC motor (Single Phase) with variable drive Band saw cutting with manually sharpening system
Motor (Band Saw Slicer)	: 2 HP AC motor (3 Phase)
Speed	: 300 to 400 Sheets per min. (Speed Various According to quality of paper)
Weight	: Depends on Napkin Size
Man power	: One operator & Two Helper
Raw material	: Tissue paper 15 to 22 gsm
Weight	: 1100-2200 kegs (approx)(Depends on Napkin Type)
Maximum unwinding Dia-	: 44" max
Embossing unit	: (Design as per requirement)
Folding Size	: ¼ Fold 1/6 Fold
Transmission	: Timing Belts
Floor Dimension	: 15'x4'x5'F(LxWxH)aprx (Depends on Napkin Type)
Counting	: Digitally counting with Totaliser

Automatic Two Color Printing Embossing Napkin Folding Machines. (4 Line)

Size of napkin	: 330mm/300mm/270mm/250mm/230mm
Color of printing	: (As per requirement) of flexo graphy printing
Motor	: 3 HP DC Motor with Variable Drive Band saw cutting with manually sharpening system
Motor	: 2 HP AC motor
Speed	: 600 to 800 Sheets per min. (Speed Various According to quality of paper)
Weight	: 2300-3000 kegs (approx)(Depends on Napkin type)
Man power	: One Skill operator & two helper
Floor Space	: 17'x5'x6'F(LxWxH)aprx (Depends on Napkin Type)
Raw material	: Tissue paper 15 to 22 gsm
Folding Size	: ¼ Fold or 1/6 Fold
Maximum unwinding Dia-	: 44" max
Transmission	: Timing Belts
Embossing unit	: (Deigns as per requirement)
Counting	: Digitally counting with totaliser



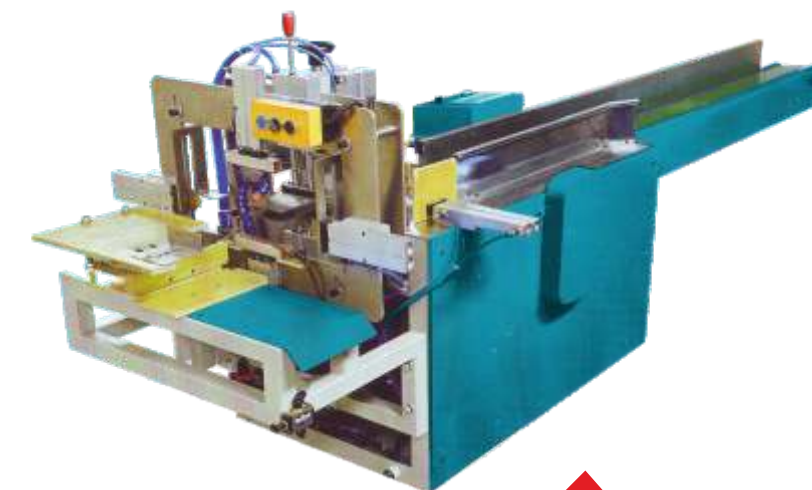
Automatic Two Color Printing Embossing Napkin folding Machine (2 Line)

Size of napkin	: 400mm/330mm/300mm/270mm/250mm/230mm/220mm/200mm
Color of printing	: (As per requirement) of flexography printing
Motor	: 2 HP DC motor (Single Phase) with variable drive Band saw cutting with manually sharpening system
Motor (Band Saw Slicer)	: 2 HP AC motor (3 Phase)
Speed	: 300 to 400 Sheets per min. (Speed Various According to quality of paper)
Weight	: Depends on Napkin Size
Man power	: One operator & Two Helper
Raw material	: Tissue paper 15 to 22 gsm
Weight	: 1100-2200kgs (approx)(Depends on Napkin Type)
Maximum unwinding Dia-	: 44" max
Embossing unit	: (Design as per requirement)
Folding Size	: ¼ Fold 1/6 Fold
Transmission	: Timing Belts
Floor Dimension	: 15'x4'x5'F(LxWxH)aprx (Depends on Napkin Type)
Counting	: Digitally counting with Totaliser



Aluminium Foil Rewinding Machine

Specification		
Winding Width	:	300mm/450mm
Parent Roll Core Dia	:	32mm/50mm
Rewinding Speed	:	100mtrs/minutes
Motor	:	2 HP AC Motor
Control Drive	:	VFD Drive (2 HP)
Capacity	:	2500 Roll of 9mtrs,each in 8 hours
Net wt of Machine	:	700kg(Appx.)
Space Required	:	42"x30"x40"



Facial tissue, Napkin Paper Bagging and Sealing Machine

1. To replace manual operation, the finish produce packing more standard, look neat.
2. For bag loading, sealed bag at one stop, improved working efficiency reduce the production cost.
3. Easy to operate, very low requirement for the operator skill.
4. Adopt PLC program, accurate location/controlling, convenient to data setting, changing.
5. Adopt high quality parts/electronics part with imported and national top brand parts. Steady performance.

Specification	
Packing Speed	- 8-12 bg/min
Power Supply	- 220 V, 50HZ
Air Compressor	- 0.5 MPA (Buyer Provide)
Power	- 0.4 KW
Packing Size	- 20cm-40cm (as per require)
Machine Dimension	- 2500 x 900 x 1300 mm
Weight	- 600 kg (approx)

Paper Converting Machines

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Fully Automatic Toilet Paper Roll and Kitchen Towel Paper Production Machine

Maximum Paper Width	-	1350/1450/1650/1850/2250/ or as per require
Maximum unwind diameter	-	1200mm
Maximum rewinding diameter	-	120mm
Jumbo Roll Stand	-	1 Stands Standard Extra (As per requirement)
Parent roll core inner dia.	-	76mm
Raw paper material	-	13-16 g/m2, Lifted by Pneumatic Loading
Unwind unit	-	One
Capacity/8 hr	-	100m/min 8000-15000 Rolls
Perforation repeat	-	115mm
Embossing unit	-	ONE (Steel to rubber type)
Power required(Air System)	-	5 H.P. 380 v – 440 V 3 Ph. 50 Hz
Main transmission	-	Variable Frequency speed regulating
Data Setting	-	HMI
Control	-	PLC Drive (Touch Screen)
Finished Log Outer Diameter	-	φ100-120-150
Finished Log Inner Diameter	-	φ38-45-50-60
Diameter of Finished Log Control	-	By Electronic/ Air Control
Main Driving	-	Frequency conversion speed regulation 9KW 380V, 50HZ
Weight	-	2500 kg -5000kg Appx.(Depends on Machine Size)
Space required	-	7'x7'x6' (L xW x H).(Depend on Machine Size)
End product specification	-	Each logs of 100 gms with each sheet length of 110mm



TOILET ROLL LOG SLICER MACHINE

Specification of Machine	
Name of Equipment	- Toilet Roll Slicer
Model	- SK/TR/Standard
Cutting System	- Bandsaw cutting
Blade Sharpening	- Manually
Raw Material Size	- 810-1400 log size
Core Diameter Cutting	- 38, 40, 45mm
Roll Cutting Size	- 100 mm to 200 mm 230 mm
Processing capacity	- 2500 to 5000/8 hours (depend on labour)
Power	- 3 HP AC 220 v to 440 v 3 Phase (customer customized)
Outer Dimension	- 4'x 4' x 5' feet (L x W x H)
Weight	- 600 KG approx.

Paper Converting Machines

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Maxi Roll Semi Automatic Rewinding Machine

Maximum paper width	-	1400mm
Maximum unwind diameter	-	1200mm
Maximum rewinding diameter	-	200mm
Parent roll core inner dia.	-	76mm
Raw paper material	-	1-2 layer tissue paper (17-18 gsm)
Unwind unit	-	One
Capacity/8 hr	-	300 logs of (2 kg approx), 2000 rolls of 200mm width
Perforation repeat	-	115mm -200mm
Embossing unit	-	ONE (metal to rubber type)
Power required	-	5 H.P. 380 v – 440 V 3 Ph. 50 Hz
Main transmission	-	Variable Frequency speed regulating
Weight	-	2000 kg (APPROX)
Space required	-	13'x7'x6'
End product specification	-	Each logs of 100 gms with each sheet length of 110mm



Semi automatic Facial Tissue Cardboard Box Sealing Machine

Main Function Features:

1. It is suitable for various specifications of drawing face tissue boxes and foodstuff boxes to spray glue and seal the side bottom.
2. Combine electricity into one, also function is stable automatic control production and operation is brisk
3. Working parts are of stainless steel materials

Box Size	-	100-200 mm
Specification	-	(100-290) x (70-150) x (45-120) L x W x H
Applicable adhesive	-	Hot melting glue
Melting container	-	Copper stove, adjustable temperature
Production Capacity	-	20-30 boxes/min (subject to worker proficiency)
Installed power	-	AC 220 V 50HZ 2 kw (heating stick inside copper stove)
Air Pressure	-	0.5 Mpa (prepared by the purchaser)
Weight of Machine	-	500Kg

Paper Converting Machines

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SK/NF/2L/3L N-Fold Hand Towel Tissue Machine

Name of Equipment	-	N-fold Towel Making Machine
Sheet size	-	230 x 230 mm
Raw Material Size	-	460 mm
Raw Material Core Diameter	-	76.2 mm
Processing capacity	-	600/x2/sheet/min (125 box/8 hours)
Power	-	Frequency conversion speed regulator
Programmer Controller	-	PLC Computer Controller
Folding Type	-	"N" Vacuum sanction & "N" Fold
Transmission Unit	-	Timing Belt
Counter	-	Ink Marked
Embossing Unit	-	Steel to Steel Embossing
Pneumatic Systems	-	3HP Air Compressor Mini Air Pressure (Provided by Customer)
Required Power	-	15 KW
Operating	-	PLC Drive
Outer Dimension	-	4500 x 1500 x 1800 mm (L x W x H)
Weight	-	2500 - 3000 KG approx.
Raw material	-	Soft tissue 33-40 GSM
Parent Roll max. size	-	1200 mm x 460 mm

SK/FT/2L/3L/ Box Inter Fold Facial Tissue Machines

Name of Equipment	-	Facial Tissue Making Machine
Sheet size	-	100 x 200 mm or 200 x 200 mm
Raw Material Size	-	400 mm
Raw Material Core Diameter	-	76.2 mm
Processing capacity	-	700/x2/sheet/min
Power	-	Frequency conversion speed regulator
Programmer Controller	-	PLC Computer Controller
Folding Type	-	"V" Vacuum sanction & "V" Fold
Transmission Unit	-	Timing Belt
Counter	-	Side Stack
Pneumatic Systems	-	3HP Air Compressor Mini Air Pressure (Provided By Customer)
Required Power	-	12 KW
Operating	-	PLC Drive
Outer Dimension	-	4500 x 1500 x 1800 mm (L x W x H)
Weight	-	2500 - 3000 KG approx.
Raw material	-	Soft tissue 12.5-15 GSM
Parent Roll max. size	-	1200 mm x 400 mm

Paper Converting Machines

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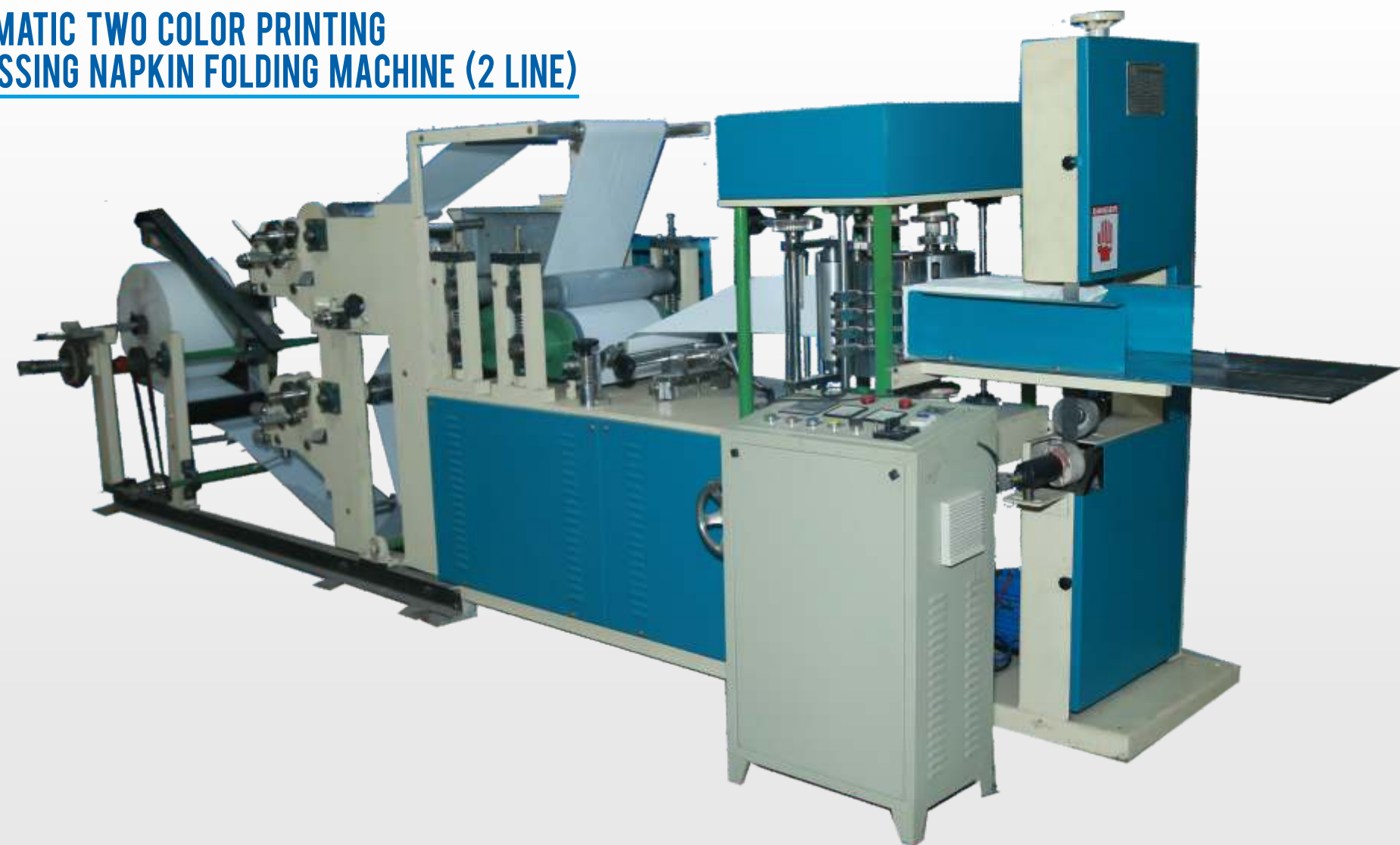
Grocery Paper Bag Making Machine

Paper thickness	: 30-80 GSM
Bag length	: 100-220 mm, 120-360 mm and 200-500 mm
Bag width	: 50-150 mm, 70-250 mm and 100-280 mm
Guzzet folding maximum	: 20-50 mm
Speed	: Depends on bag size
Machine weight	: Depends on bag size
Paper roll width (min to max)	: Depends on bag size
Mai Motor	: Depends on bag size
Power Require	: 440 watt, 3 phase
Machine Drive	: VFD, 2 HP (LNT Drive)
Floor Dimension	: Depends on bag size
Man Power	: One Operator and One Helper
Floor Dimension	: 15'x4'x5' F(LxWxH) aprx (Depends on Napkin Type)
Accessories	: With 2 sets mould free, 2pcs gear free, One width : one mould, one length one gear, Tool Box
Color Unit	: Two colors or as per requirement

Toilet Roll & HRT/JRT and Industrial Roll Machine

Maximum Paper Width	-	810 mm, 1000mm
Maximum unwind diameter	-	1020/1200mm
Maximum rewinding diameter	-	200mm
Jumbo Roll Stand	-	1 Stand Standard Extra (As per requirement)
Parent roll core inner dia.	-	76mm
Raw paper material	-	15-18 g/m ² ,
Unwind unit	-	One
Capacity/8 hr	-	100m/min 2500/3500 (Depend on labao)
Perforation repeat	-	100 to 200 mm
Embossing unit	-	ONE (Steel to rubber type)
Power required(Air System)	-	3 H.P. 220 v – 440 V 3 Ph. 50 Hz
Main transmission	-	Variable Frequency speed regulating
Control	-	VFD DRIVE
Finished Log Outer Diameter	-	φ100-120-150
Finished Log Inner Diameter	-	φ38-45-50-60
Weight	-	1100 kg Appx.(Depends on Machine Size)
Space required	-	7'x5'x4' (L xW x H).(Depend on Machine Size)

**AUTOMATIC TWO COLOR PRINTING
EMBOSSING NAPKIN FOLDING MACHINE (2 LINE)**



L-Fold Paper Napkin Making Machine

Sheet Size	: 210x210 mm to 270x270 mm or as per requirement
Speed	: 0-500 pcs/min (without color) 0-300 pcs/min (with color)
Color Unit	: One color Flexography Printing
Embossing Unit	: With one set to embossment (steel to wood)
Jumbo roll diameter	: <1200 mm
Jumbo roll core diameter	: 76.2 mm
Open Size	: Folded 1/3
Cutting Size	: L fold size
Reel Stand	: One jumbo roll stand
Paper gram weight	: 12-15 g/m2 (two ply) 18-22g/(one ply)
Counting Unit	: Automatic counting
Drive	: PLC and Frequency Inverter
Motor	: 2.2 KW
Voltage	: AC 380 V 50 HZ
Minimum Air Pressure	: 0.5 MPA (provide by user)



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