

# **ARM STRENGTH<sup>®</sup>**

## Woven Sacks Machinery Solution



Manufactured By :



**ARM STRENGTH**  
**INDUSTRIAL CO.**

GUJARAT-INDIA

**ARM STRENGTH®**

# CONVER tech

**P**recise

**C**utting

**F**olding

**S**ewing

**S**tacking

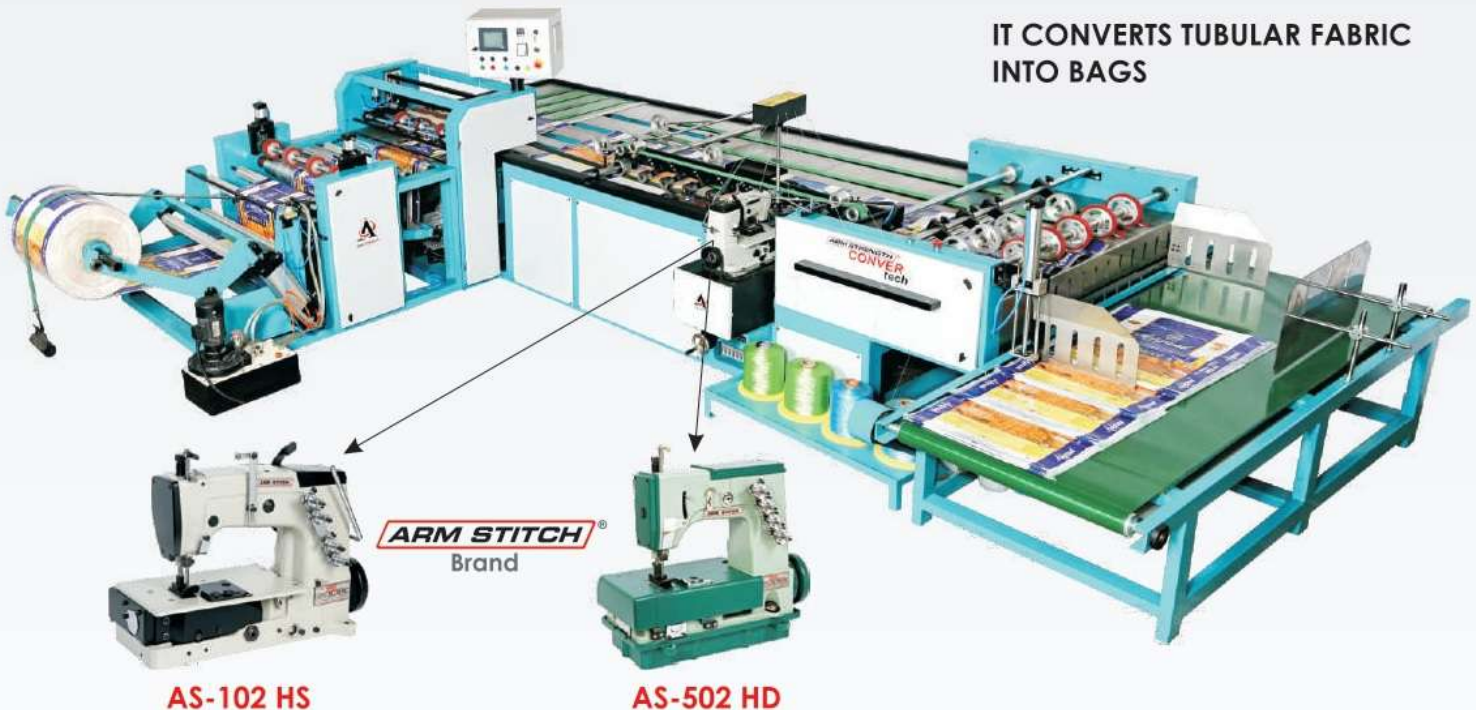
FULLY AUTOMATIC **WOVEN SACK**

CONVERSION LINE / **BCS**

HIGH SPEED, FULLY AUTOMATIC  
WOVEN SACK CONVERSION  
LINE/BCS.

TO CUT, FOLD, SEW & STACK  
PP/HDPE  
LAMINATED/UNLAMINATED  
FABRIC.

**IT CONVERTS TUBULAR FABRIC  
INTO BAGS**



**AS-102 HS**

**AS-502 HD**

## TECHNICAL SPECIFICATION

<b>Operator</b>	Man Power Required	ONLY 1 MAN POWER REQUIRED
<b>Unwinding Unit</b>	Diameter Of Unwinding Fabric	UP TO 700 KG.
	Width Of Unwinding Fabric	460 to 812 mm (18" - 32" Inch)
	Cutting Length	460 to 1320 mm (18" - 52" Inch)
	Cutting Length Accuracy	± 3 mm
	Production Capacity	20 – 35 Bags/Minuite.
<b>Cutting Unit</b>	Heat Cutting Knife	Regular/Zigzag Type High Quality With Mouth Opener Device
	Cold Cutting	Rod Less Cylinder
<b>Folding &amp; Sewing Unit</b>	Sewing Machine	Model No : AS 102 HS (Arm Stitch Brand - Ginza Make)
	STITCHING RANGE (In 100 MM)	11 - 14 *Adjustable
	Folder	Single Fold / Double Fold
	Folding Width	20 - 30 mm Adjustable
<b>Power &amp; Pneumatic Consumption</b>	Rated Power Capacity	15 Hp
	Actual Power Consumption	10 Hp
	Pneumatic Consumption	8 Kg.
<b>Dimension</b>	L X W X H In Feet	18 x 11.5 x 5.3 in Feet.
<b>Weight</b>	Net Weight	2100 Kgs. Approx



## UNWINDING :



The Unwinding Unit is designed to Easily Lift a woven fabric roll by pneumatic cylinders without any external device.

## ACCUMULATOR UNIT :



To Reserve Extra Length of Fabric opened during continuous unwinding & maintain uniform tension of fabric

## I-MARK PROXY :



To cut accurate length as per print on fabric.

## BAG GRIPPER :



To transfer cutted piece of bag from cutting unit to folding device + sewing unit.

## ARM STRENGTH®

## CUTTING :



Heat Cut : To cut un laminated woven fabric with accurate size, which is maintained by Servo System.

Cold Cut : To cut laminated woven fabric with accurate size which is maintained by Servo System.

## FOLDING & SEWING :



Folder: Single & Double fold type folders. Which is suitable for all type of fabrics.

Sewing: Most Suitable Model : AS 102 HS "ARM STITCH" Brand – Ginza make sewing machine.

Especially designed for auto bag conversion system to get high production. Sewing machine auto switch-off when no cutted fabric is receive from cutting unit.

## BAG STACKING & CONVEYOR :

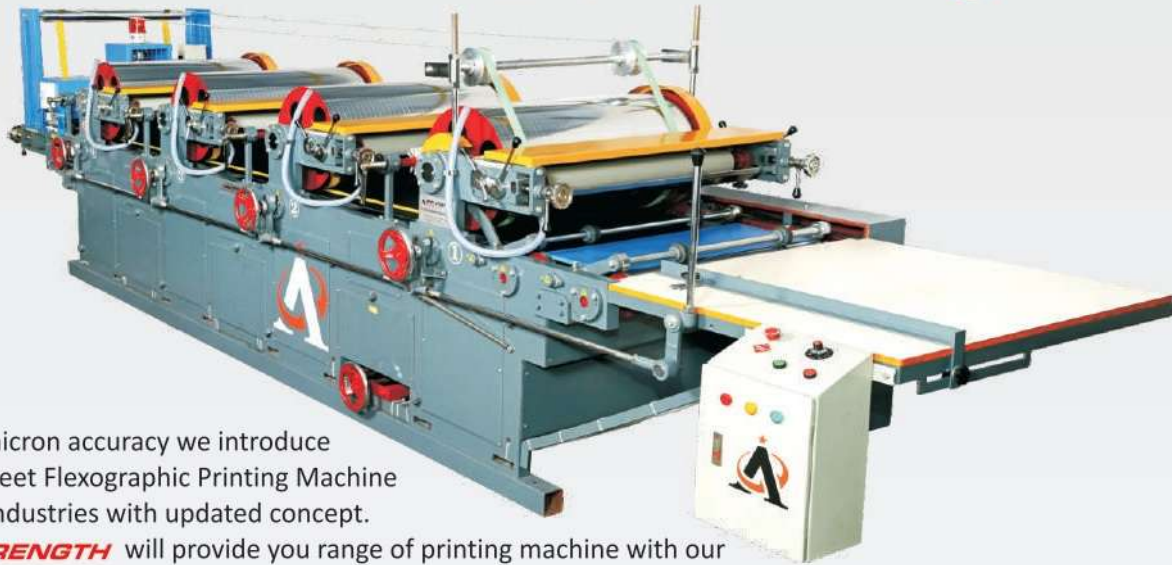


The Bags are move after sewing operation & stack a number of bags which is set as per count.

After that conveyor's door will automatically opened when counter bags are finished. Then conveyor is run with exactly countered bags. They all Things are synchronizes with automations.



# Woven Sacks Flexographic Printing Machine



With the micron accuracy we introduce sheet to sheet Flexographic Printing Machine for Raffia Industries with updated concept.

**ARM STRENGTH** will provide you range of printing machine with our vast engineering experience. So, you can get excellent quality product.

## SHAFT DRIVE :

To get 0-0 registration between different Colours.



**INK CIRCULATING PUMP**

Model	Colour	Max. Bag Size		Max. Printing Size		Material can be Print
		W	L	W	L	
AS - 2852 / 1C	One	29 Inch (736 mm)	53 Inch (1346 mm)	28 Inch (711 mm)	52 Inch (1320 mm)	PP/HDPE Woven Sack Fabric, Non-Woven Fabric & Paper Board
AS - 2852 / 2C	Two					
AS - 2852 / 3C	Three					
AS - 2852 / 4C	Four					





**ANILox ROLLERS :**

To save 25% of Ink consumption & gives excellent printing clarity.



**STOPPER ATTACHMENT :**

Draw rollers actuated by adjustable cam for synchronizing with STOPPER ATTACHMENT TO PRINT AT EXACT POSITION OF BAG (i.e. you can set exact margine) there by eliminating judgment of operator.



**BRUSH ROLLERS:**

Can be use at each station for cleaning of stereo.



**BAG GRIPPER :**

Bag hold down tapes ensures that the bag is gripped from take up to the point of release. It gives good registration between different colours. (Especially for Light Weight Fabric)



**A. C. DRIVE :**

Delta Make A.C. Drive system to regulate / to do variation in speed. It will increase life of machine parts. Specially gears. It reduces stereo setting time & easier for machine cleaning.



**INK DRYING HEATER & BLOWER :**

For, quick drying of printed ink, at bag output side of machine.

Production Capacity	Motor		Stereo		Area Required (in Ft.)		
			Thickness	Material	L*	W	H
35 - 40 Bags/Min.	1 H.P.	3 Phase 1440 R.P.M. 440 V 50 Cycle	Minimum : 2.8 mm.  Recommend 4 mm.	Photopolymer, Rubber & Nylon can be use.	8 ft. 6"*	4 ft. 3"	4 ft. 3"
	2 H.P.				11 ft. 9"*	4 ft. 3"	4 ft. 3"
	3 H.P.				12 ft. 3"*	4 ft. 3"	4 ft. 3"
	5 H.P.				18 ft. 6"*	4 ft. 3"	4 ft. 3"

\* If you choose Stopper Attachment Length will be increase by 1 ft.

## Auto Fabric Cutting Machine For **Woven Sack Industry**

Model : **FCM - COMBO**



### Features :

- Suitable for BOPP Bag & Laminated Bag
- Easy operating system
- PLC with Touch Screen
- Perfect Accuracy in cut Length
- Data back up system
- High Production speed
- Accurate Bag counting

### Optional Attachments :

- Auto Fabric Roll Lifting Device with power pack system
- Regular Gusset Device/Twist Gusset Device
- Perforation Roller
- I-Mark Proxy For Accurate Cut Printed Laminated Bag

Model	Length	Width	Speed Mtr./Min.	Require Power	Main A. C. Electrical Motor	Control System	Dimension (L x W x H)	Weight (Approx.)
FCM-SC	50-2000	800	55*	5 KW.	5-HP, R.P.M.: 1440 Phase-3	Servo	5500 x 2000 x 1500	1000 Kgs.

\* Depending on type of Material ,Gauge & Length of Bag.  
All Dimension in mm.

## Woven Sack Cutting Machine With Twist Gusset Device Model : **FCM - SC** With Twist Gusset Device

### Features :

- Suitable for BOPP Bag with Gusset & Laminated Bag
- Easy operating system
- PLC with Touch Screen
- Perfect Accuracy in cut Length
- Data back up system
- High Production speed
- Accurate Bag counting
- Auto Fabric Roll Lifting Device with power pack system
- Twist Gusset
- I-Mark Proxy For Accurate Cut Printed Laminated Bag

### Optional Attachment :

- Perforation Roller



Model	Length	Width	Speed Mtr./Min.	Require Power	Main A. C. Electrical Motor	Control System	Dimension (L x W x H)	Weight (Approx.)
FCM-SC With Twist Gusset	50-2000	800	50*	7 KW.	5-HP, R.P.M.: 1440 Phase-3	Servo	8000 x 2000 x 2600	1500 Kgs.

\* Depending on type of Material ,Gauge & Length of Bag.  
All Dimension in mm.



# **ARM STRENGTH**®

Model : **R2R/T**

(Roll 2 Roll Twist Gusset Machine)



## Roll 2 Roll Twist Gusset Features :

Unwinder Unit	Trolley Type Unwinder Unit With Pnumetic Roll Lifting Arrangement
Power Pack System	Hydraulic Power Pack System For Manage Fabric
Gusset Device	Gussetting Device With Twist & Center Gusset Arrangement
Surface Winder	Surface Winder with A.C. Drive System
Operation	Control Panel With AC Drives (Delta Make)
Weight of Roll	500 Kgs. & 1000 Kgs.
Folder Details	Made From SS Material



ISO 9001:2015

Manufactured By :  
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