



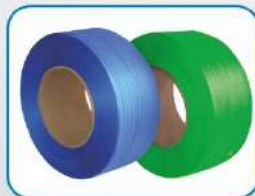
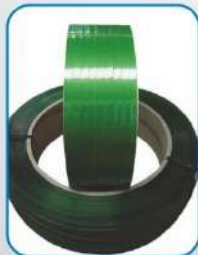
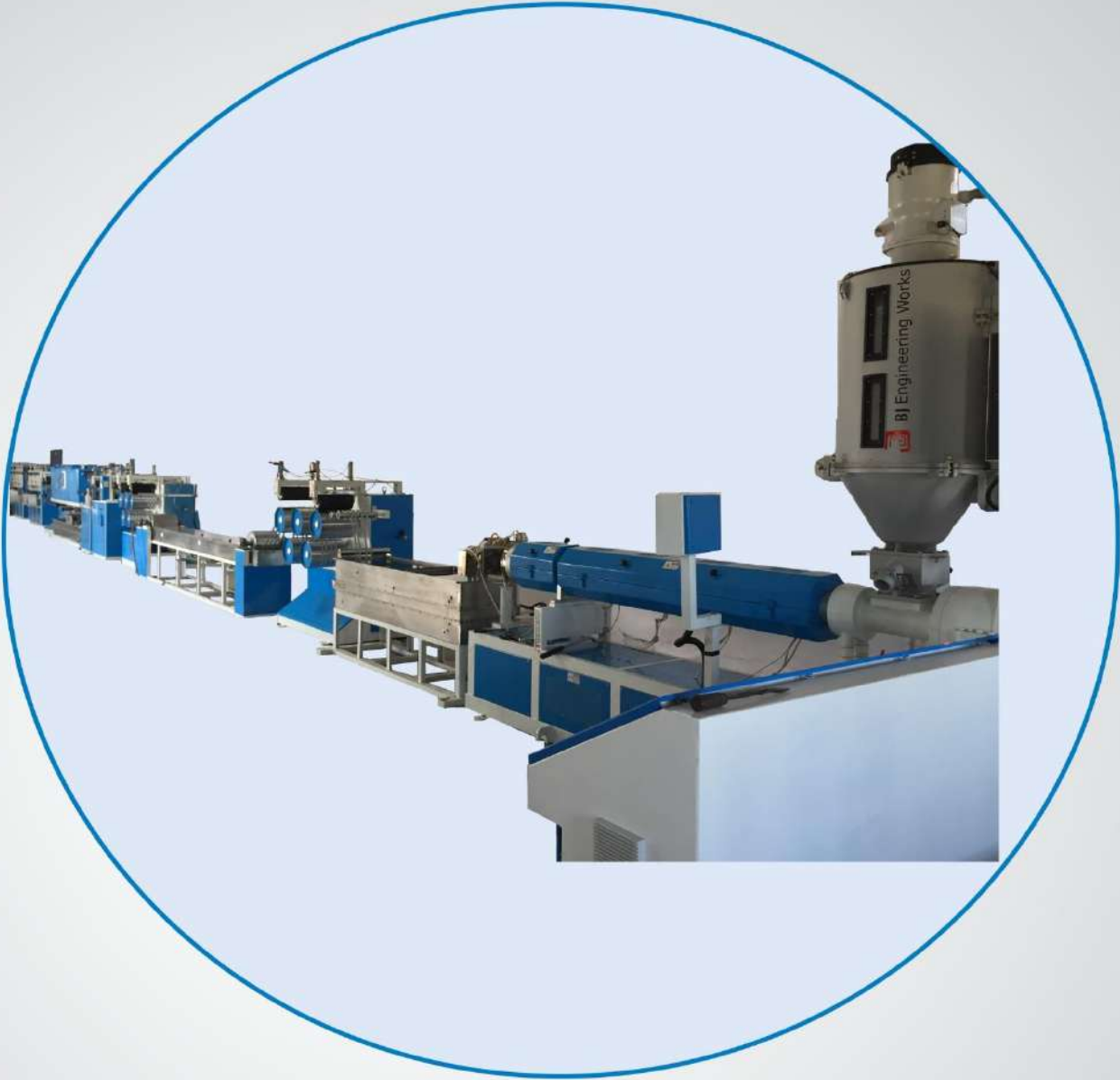
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Quality & Technology

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EXTRUSION LINE



BJ Engineering Works

Mfrs. of Thermoplastic extrusion machinery

PET STRAPPING BAND MAKING EXTRUSION LINE

New Era for heavy packaging PET Strapping Band making Extrusion Line for producing PET strap with 100% reclaimed polyester (waste polyester bottle flakes) as Material. PET strap is a new kind of environment friendly packing material, which is used to substitute steel strap in many fields.

FEATURES

- ◆ Auto Cycle for pre-heating, drying & Loading
- ◆ Completely insulated oven with thermo regulated air.
- ◆ Output range 80 to 250 Kgs./hour.
- ◆ Band width 9-25mm.
- ◆ Precision strap band with +/- 0.5 mm.
- ◆ high output with low power consumption.
- ◆ Hydraulic screen changer for efficient operation.
- ◆ Melt pump for uniform pressure & Output



APPLICATION

- ◆ Uses of Cotton Bale Industries
- ◆ Pallet Packing of Medium & Heavy Engineering Industries
- ◆ Pallet Packing for shipping Industries
- ◆ Applicable in Auto Mobile Industries Ceramic Industries, Pharma Industries & Paper Industries for Packing

OPTIONAL EQUIPMENT

- ◆ Water chiller
- ◆ Online Inkjet Printer
- ◆ Tensile tester
- ◆ Continues Screen Changer
- ◆ Online/offline cutting Machine

PP STRAPPING BAND MAKING EXTRUSION LINE (Fully Auto)



PP Strapping Band Manufacturing line produces high productivity, best quality and cost saving. The stretched and embossed PP Band which will be used effectively for manual packaging or mainly in automatic strapping machine for small and middle size cartons. This newly designed machine provides faster production and superior product.

- ◆ The Extruder adopts constant pitch type of screw for effective mixing of molten material.
- ◆ The Die having one or more channels as the Flat type.
- ◆ The stretching, Annealing and cooling units adopt three units of rollers for stepless adjustment of the stretching ratio and constriction ratio.
- ◆ The embossing rollers are manufactured from Nitro alloy steel material vacuum heat treated for superior hardness and maximum wear resistance.



QUALITY FEATURES FOR OUTSTANDING PERFORMANCE

- ◆ Maximum speed for each line 150 Mt/Min.
- ◆ Strapping Band width 6 ,9,12,16 and 19mm.
- ◆ All chrome plated rollers for take-off for rust free operation.
- ◆ Extruding Output range 30 - 125 Kgs/Hr. in various size of machine.
- ◆ Nitro alloy Barrel is Nitrogen treated, precision ground and stress relieved.
- ◆ Provide Helical Gear Box in Extruder for high efficiency and Energy saving.



OPTIONAL EQUIPMENT

- ◆ Screen Changer.
- ◆ Chilling unit
- ◆ Groove feed screw for higher output.
- ◆ Hopper Loader & Dryer
- ◆ Melt Pump

	Specification		
Model (Fully Automatic)	Strapack-65	Strapack-75	Strapack-90
Screw Dia(MM)	65	75	90
L/D Ratio	30:1	30:1	30:1
Max.Output (Kg/Hr.)	50	70-80	90-100
Max. Line Speed (Mtr./Min.)	130	130	130
Winder	3 Station	4 Station	5 Station
Total Connected Load (KW)	60	80	100
Plant Dimension In Feet	100X20X12	110X20X12	120X20X12

PP/HDPE/LDPE MONO FILAMENT EXTRUSION LINE



SPECIFICATIONS				
MODEL	BJEN 50MF	BJEN 65MF	BJEN 75MF	BJEN 90MF
Screw dia (mm)	50	65	75	90
L/D Ratio	26:1	28:1	30:1	30:1
Max. Out Put(Kg./hr.)	32	50	80	110
No of Filaments	100	150	240	360
Total Connected Load(KW.)	27	40	60	80
Flange Winders	8 Nos.	14 Nos.	18 Nos.	28 Nos.
Dimensions Without winder in Mtrs (L x W x H)	15x7x3	20x8x3	25x10x3	30x10x3

Mono-filament Extrusion line produce higher transparency and more competent strength monofilament with supreme mechanism and rigid standard of craftsmanship as well as long experience in this field.

APPLICATIONS

Net, Filter, Fishing net, Ropes, Textile, Carpet, Brushes, and Niwar etc.

QUALITY FEATURES FOR OUTSTANDING PERFORMANCE

- ♦ The screw and Barrel is manufactured from special Nitrogen treated, Precision ground and tempered steel.
- ♦ High L/D Ratio for higher output.
- ♦ Cooling bath is constructed from Stainless Steel to prevent corrosion.
- ♦ Take-Off speed is powered by VS motor with adjustable speed for smooth winding and stretching performance.
- ♦ Orientation device is especially designed to allow the filament to flow on water thus ensuring proper filament roundness, uniformity and smoothness.
- ♦ Different types of winder can be provided depends upon product and customer requirement.

PP TAPE/STRING (SUTLI) EXTRUSION LINE

- ◆ PP Tape/string (Sutli) manufacturing line produce higher output, better quality and cost competitive
- ◆ Extruder adopts 'T' Die for more convenient to operate and higher production.
- ◆ The stretching units adopts two units of rollers for stepless adjustment of the stretching ratio.
- ◆ Auto winders are provided in different width size of coils.
- ◆ Extruding Output Range 30-130 kgs/hr.

APPLICATIONS : To Manufacturing Rope, To tying bundles, bags, boxes etc.



SPECIFICATIONS		
MODEL	BJEN 50 SM	BJEN 65SM
Screw dia (mm)	50	65
L/D Ratio	28:1	30:1
Max. Out Put(Kg./hr)	30	45
T Die Width (mm)	300	450
Max. Line Speed(Mtr./Min.)	120	120
Cheese Winder	10 Nos	16 Nos
Total Connected Load(KW.)	35	55
Plant Dimensions in Mtrs. (L X W X H)	18 x 7 x 3	20 x 5 x 4



RECYCLING LINE WITH PELLETISER

SPECIFICATIONS				
MODEL	BJEN 75RP	BJEN 90RP	BJEN 100RP	BJEN 110RP
Screw Dia (mm)	75	90	100	110
Max.Out Put (Kg./hr.)	70	90	110	130
Main Drive (KW.AC)	15	19	22.25	30
Dimensions in Mtrs (LxWxH)	10 x 2.5 x 3	12 x 3 x 3	14 x 3 x 3	15 x 3.5 x 3.5

Recycling lines to reclaim plastic out of waste like oriented HDPE/PP Tapes, industrial plastic wastes, cuttings of woven fabric, and general purpose wastes like LDPE/LLDPE/PP/HDPE/Polyester etc. The Nitroalloy barrel is nitrogen treated precision ground and stress relieved. The pellet cutting blades are manufactured from High carbon steel material for maximum durability.



MIXER MACHINE

Mixer Machine for PP/HDP/LDP Material
Available in Various Size & Capacity



Note : Due to Continuous development all specification are subject to change without prior notice.

BJ Engineering Works

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