







• **CUSTOMISATION** 



• PERFORMANCE





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ISO 9001-2008

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# Company Profile

SARVASV has a very rich experience of over 30 years in the field of Wire and Cable Machinery. Founded in 1984, SARVASV with time has earned the reputation of being the most innovative and out of the box thinkers in the market. They are the technological leader in Cable Machinery manufacturing and consultancy in India and have been working towards the goal for complete customer satisfaction ever since the day it started. They have manufacturing units that are equipped with the most sophisticated and modern machinery and equipments, which are complemented by highly qualified & experienced team of professionals who are always striving hard to improve on the already attained success. A dedicated Quality Assurance Team ensures strict guideline adherence from raw material stage to final commissioning of machines. All this has made SARVASV reach heights that no Company has till date attained. Sarvasv has been exporting their machines to various countries across the globe particularly to UAE, Bangladesh, Nepal, Iran, Africa, Europe and Australia.

## Our Range of Product & Services

- High Speed Skip Stranders (Al, Cu And insulated Cores)
- Skip Laying Machine for AB Cables
- Rigid Stranding Machine. (Steel, Al and Cu)
- Rigid Stranding Machines With Batch Loading (Steel, Al and Cu)
- Armouring Machine.
- Core Laying Up Machine.
- Armouring Cum Laying Machine. (Multi Purpose)
- Special Planetary Stranders / Anti Torsion Machines
- Double Twist Bunching Machines
- Drum Twister for LT/HT Power Cables
- Extrusion and Sheathing Lines. (PVC and XLPE)
- Dual Automatic Spooler for Rod Break Down Machine ( Al and Cu)
- Rewinding Lines, Take Up Units, Payoff Units and Catterpillar Units
- Taping Solution for PVC, Copper & Steel
- High Speed Tubular Stranding Machine Upto 36
   Wires (Al, Cu and Steel Ropes)









# Armouring (Machine

Rigid Armouring Machines are used for making Armoured Cables. The Machine is used for Round Wire and Flat/Strip Armouring on Power Cables and Control Cables. The Armour Wire can be GI Wires or of Aluminium or Copper. The Machine can also be used for Screening purpose. Armouring Machines are manufactured in Single Cage or Dual Cage Configurations. Different Taping Heads can also be installed on the Armouring Machine















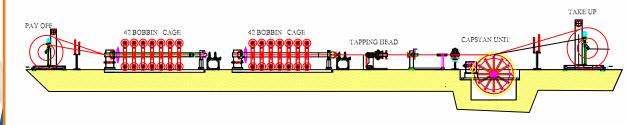
## Main features

- Self supporting rigid rotor design
- High efficiency and speed
- Single or Multi cage Assembly
- Batch Loading (Side Bottom Loading) is also provided with Automatic Pintle Locking
- Bobbins mounted on hardened pintles
- Line drive by A.C. or D.C. motors with electronic or mechanical synchronization between line components.
- Multi Speed Special Gear Boxes
- Heavy Duty Single, Taper Capstan with Fleet Ring
- Tandem type Stranding Cum Armouring Machines
- HMI /PLC Equipped (optional)
- Range of Taping Heads as per customer requirement
- Range of Takeups and Payoffs Available
- Range of Taping Heads Available
- Easy Lay Setting
- Special Lay plate Arrangement

Model	Wire Dia	Rotor Speed (Rpm) (Max)	Bobbin Size	Driven Motors ( Kw)
SMEPL/ARM/48	1-5 mm	150/130	450/500/560/630	50
SMEPL/ARM/54	1-5 mm	130/110	450/500/560/630	60
SMEPL/ARM/72	1-5 mm	100/80	450/500/560/630	100
SMEPL/ARM/96	1-5 mm	80/60	450/500/560/630	150

**Note :** Since the Machines undergoes continues changes we reserve the right to modify the details These Machine are Manufactured in Various Bobbin Size as Per DIN Stand.





• OVERALL LENGTH OF MACHINE - 45 Meter

Email

OVERALL WIDTH OF MACHINE - 6 Meter



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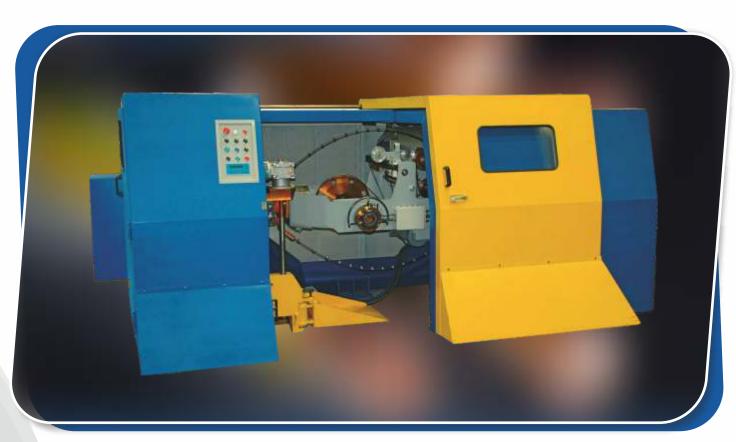




# **Double Twist Buncher**

**SARVASV** offers a complete range of **High Speed Double Twist Bunchers to strand copper** and lay up **insulated conductors.** 

Sarvasv **bunching machines** are an **efficient** solution for fine and superfine wire ensuring an **accurate** and **precision** wire production.

















## Main features

- High Speed upto 2500 RPM/5000 TPM
- Maximum Cross Section of 6/10 Sqmm for Bunching on 630 MM Buncher
- Maximum Cross Section of 16/25 Sqmm for Bunching on 800 MM Buncher
- PLC Controlled Operation
- Sound Proof Cabinet
- · Accurate control of take-up pull through separate Motor
- Main Motor: 20 HP and Takeup Motor: 5 HP
- Provided with Dual Driven Tangential Payoff of 630MM for faster Production and Better

Auto Tension Setting on Wire through Analog Sensor

- Quality
- No Over Riding of Copper Wires
- Wire Break Detector
- Uni Lay Provision

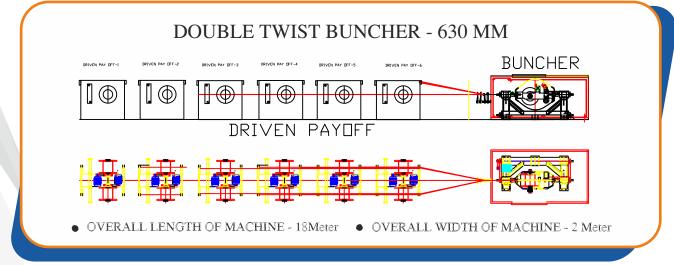
#### Dual Driven Payoff for Buncher- SMEPL/DDP/630

- For reels up to 630mm
- Built in pneumatic dancer for constant tension control
- Auto Synchronization with Buncher

Wire break detector

Model	Max Cross Section	Rotor Speed (Rpm) (TPM)	Main Motor (Kw)
SMEPL/DTB/630	6/10 Sqmm	2500/5000	20
SMEPL/DTB/800	16/25 Sqmm	1200/2400	30

Note: Since the Machines undergoes continues changes we reserve the right to modify the details





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# Core Laying Up Machine

The machine is used for cabling/laying the multi core (2, 3, 31/2, 4, 5), of PVC cables, XLPE cables in round or sector shaped for LT and HT Cables. The machine is also used for Laying of Ariel Bunched Cables

















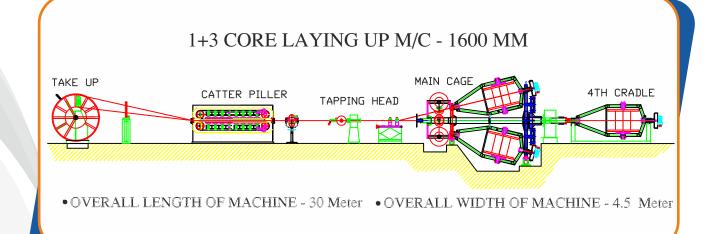
# Main features

- Machine may strand the round cables with back twist and sector cables without back twist
- Line drive by A.C. / D.C motors with electronic or mechanical synchronization between line components.
- Facilitated with motorized sector correction
- With or without back twist arrangement (Sun and Planetary Arrangement)
- Main shaft is supported with roller bearings for easy maintenance.

- Special Gear Boxes for Main Drive
- Heavy Duty Pneumatic Drum Brake for Main Cage
- Filler Bobbin Provision for 6 to 9 Bobbins.
- HMI and PLC Equipped (optional)
- Easy Lay Setting
- Range of Takeup and Payoffs available
- Heavy Duty Haul Off Belt Caterpillar Unit
- Inline Tangential/Concentric Taping Heads

Model	Rotor Speed (Rpm) (Max)	Driven Motors (KW)
SMEPL/CL/1+3/1250	60	60
SMEPL/CL/1+3/1600	30	75
SMEPL/CL/1+3/1800	20	90
SMEPL/CL/1+4/1250	40	40

**Note:** Since the Machines undergoes continues changes we reserve the right to modify the details These Machine are Manufactured in Various Bobbin Size as Per DIN Stand.





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# **Drum** Twister

#### High Speed Production Line for Laying Up of LT/HT Cables

The Drum Twister line is used for Laying-up of low and high voltage cables both circular / sector either Aluminium or Copper material. It can also be used for round Wire Armouring.















## Main features

- Independent Electronic Synchronization of Complete Line
- Rotating Caterpillar and Rotating Die Box
- PLC Controlled Production Line
- Auto Sector Correction Unit
- Dual Taping and Binder Head
- Rotating Payoffs as per Requirement
- High Production Line
- Payoff Range from 800MM-2000MM Drums
- Rotating Takeup- 800MM 2600MM

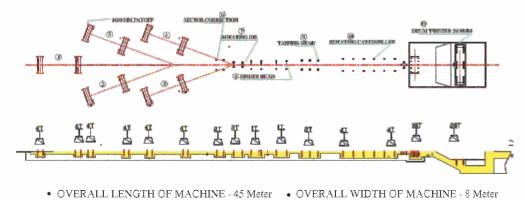
# Various Applications for the Drum Twister Line are as follows

- Low Voltage Round and Sector Cables Laying
- Ariel Bunched Cables Laying
- High Voltage Cable Laying with Rotating Die Box
- Pre Spiral Laying of Cables
- Milliken Conductor Stranding
- Control / Instrumentation Cable Laying
- Telephone Cable Pair Laying

Model	Rotating Payoff Size (MM)	Rotating Takeup Size ( MM)	Rotating Catterpillar Contact Length ( MM)	MAX RPM
SMEPL/DT/1250/1600	1250	1600	1500	75
SMEPL/DT/1600/2000	1600	2000	1500	60
SMEPL/DT/1600/2200	1600	2200	1500	50
SMEPL/DT/1600/2600	1600	2600	2000	40
SMEPL/DT/2600/2600	1600	2600	2000	40

**Note :** Since the Machines undergoes continues changes we reserve the right to modify the details These Machine are Manufactured in Various Bobbin Size as Per DIN Stand.

## DRUM TWISTER MACHINE 1600 MM / 2600 MM





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# Dual Auto Spooler

SARVASV offers High Speed Dual Auto Spoolers for Rod Break Down Lines for Copper/Aluminum for High Production Requirements. Dual Auto Spoolers can also be used on Extrusion Lines













- For copper and aluminum wires
- For Insulated Cores
- High-precision spooling operation
- Auto Cutting and Changeover while the Machine is running
- Can Run upto 25 Mtrs/Sec Line Speed
- PLC Controlled Line



- Improved production time
- Reliable and fast reel change-over
- Servo Controlled Traversing
- Pneumatic Pintle Operation
- Motorized Loading of Bobbins
- Easy integration with existing lines

Model	SMEPL/DSPL/630
Flange range [mm]	630
Max overall width [mm]	475
Max traverse width [mm]	400
Full reel max weight [kg]	600

Note: Since the Machines undergoes continues changes we reserve the right to modify the details These Machine are Manufactured in Various Bobbin Size as Per DIN Stand.

## DUAL TAKEUP FOR RBD MACHINE

PAY OFF

**RBD MACHINE** 

AUTO DUAL TAKEUP-630

• OVERALL LENGTH OF MACHINE - 26.5 Meter • OVERALL WIDTH OF MACHINE - 3.5 Meter



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# **Extrusion** Line

**SARVASV** offers a range of extrusion lines for PVC, PE, HDPE and XLPE Insulation and sheathing suitable for House Wire, Control Cable, Ariel Bunched Cables and Power Cable



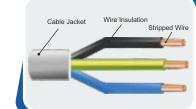














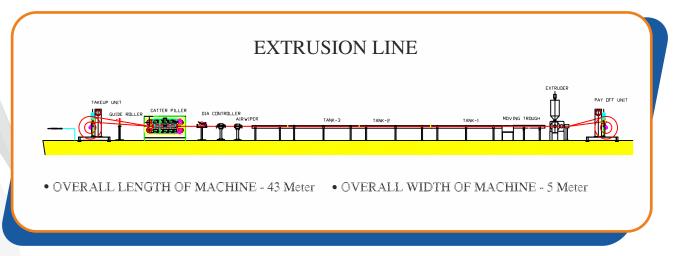
## Main features

- High linear outputs throughout a broad range of speed and pressure
- Robust construction
- Production flexibility over a large scope of application
- Special Screw Designs
- Highly efficient Extruder Gear Boxes
- Special Tooling and Cross Head arrangement for diverse needs

- Screw Cooling System
- Fully Automatic Control Panel with PIDs and PLC Control for entire Line
- Accurate Diameter Control
- Range of Takeups and Payoffs available as per requirement
- Bi Color/ Tri Color Arrangements for dual/triple coating

Model	Max Speed (Rpm)	Kg /Hr. PVC / PE	Driven Motors (Kw)
SMPEL/EL/45	150	80 / 50	15
SMPEL/EL/65	120	150 / 90	30
SMPEL/EL/80	100	280 / 150	55
SMPEL/EL/100	80	375 / 225	75
SMPEL/EL/120	80	550 / 325	100
SMPEL/EL/150	60	700 / 425	200

**Note:** Since the Machines undergoes continues changes we reserve the right to modify the details These Machine are Manufactured in Various Bobbin Size as Per DIN Stand.





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# **Planetary Strander**

#### (Anti Torsion Back Twist Machines)

**SARVASV** is a technological leader in manufacturing of Anti Torsion / Planetary Machines for the Wire and Cable Industry. The machines are used for Railway Cables, Control Cables, Wire Rope Industry, HT Cables, Bunched Copper Stranding, Rubber Cables, OPGW Cables and other specialized cables and conductors











## Main features

- Back twist by Sun & Planetary gears system
- Easy changeover to rigid
- Inline Concentric/Tangential Taping Heads
- Capstan Units single and Grooved
- Automatic Wire Tension Control
- Range of Takeup and Payoffs are available

# **Product Range**

#### **Laying Machines**

- 19 Bobbin (6+12) Anti Torsion Laying Machine
- 36 Bobbin (6+12+18) Anti Torsion Laying Machine
- 19 Bobbin Tandem Anti Torsion Machines

#### **Closing Machines**

- 18 Bobbin Planetary Closing Machines
- 24 Bobbin Planetary Closing Machines
- 36 Bobbin Planetary Closing Machine

#### **Armouring Machines**

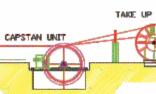
- 48 Bobbin Planetary Armouring Machine Single Cage
- 48 Bobbin (24+24) Planetary Armouring Machine
- 72 Bobbin (36+36) Planetary Armouring Machine

**Note :** Since the Machines undergoes continues changes we reserve the right to modify the details These Machine are Manufactured in Various Bobbin Size as Per DIN Stand.

# 72 (36+36) BOBBIN PLANETARY ANTI TORSION ARMOURING M/C

PAY DFF 36 BUBBIN CAGE-1 36 BUBBIN CAG

DIBBIN CAGE-2 TAPPING HEAD



• OVERALL LENGTH OF MACHINE - 40 Meter • OVERALL WIDTH OF MACHINE - 4.5 Meter



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# Rigid Strandnig Lines

The machine is used for stranding Copper, Steel and Aluminum. Stranding unilay and reverse concentric, round, compressed, compacted or sector shaped (straight or prespiralled) conductors to be used for Cable Manufacturing or for Over Head Conductors

Rigid Stranding Lines are ideal machine for making conductors of larger sizes for LV/MV/HV Power Cables and Over Head Conductors ( AAC/AAAC/ACSR). The Machine is also provided with Automatic Batch Loading System with Auto Pintle Locking and Auto Tension Control















## Main features

- Self supporting rigid rotor design for 1+6+12+18+24+30+36 Bobbins(Assorted Configurations)
- Various Bobbin sizes as per DIN standards
- High efficiency and speed
- Bobbins mounted on heavy duty hardened pintles
- Batch Loading (Side Bottom Loading) for each of the Cages with Automatic Pintle Locking
- Automatic Tension Control on the Wires
- Line drive by A.C. or D.C. motors with electronic or mechanical synchronization between line components.
- Multi Speed Special Gear Boxes for each cage

- Line Shaft Transmission Or Independent Drive System
- with Infinite Lay Setting
- Heavy Duty Grooved, Dual Capstans for different configuration
- Disk type Pneumatic brake for Each Cage.
- Instant Stop on Wire Breakage
- HMI /PLC Equipped
- Easy Lay Setting
- Range of Takeups and Payoffs available
- Pre Former and Post Former Heads
- Pre Spiralling

Mode	Wire Dia	Max Rotor Speed(Rpm)	Bobbin Size	Driven Motors (Kw)
SMEPL/RS/(1+12+18)	1.3mm-4.77 mm	230/210/190	500/560/630	60
SMEPL/RS/(1+6+12+18)	1.3mm-4.77 mm	250/230/210	500/560/630	60
SMEPL/RS/(1+12+18+24)	1.3mm-4.77 mm	230/210/190	500/560/630	75
SMEPL/RS/(1+6+12+18+24)	1.3mm-4.77 mm	250/230/210	500/560/630	100
SMEPL/RS/(1+6+12+18+24+30)	1.3mm-4.77 mm	250/230/210	500/560/630	150

**Note:** Since the Machines undergoes continues changes we reserve the right to modify the details These Machine are Manufactured in Various Bobbin Size as Per DIN Stand.

# 61 (6+12+18+24) BOBBIN BATCHIN LOADING STRANDING M/C -630 MM. \*\*OVERALL LENGTH OF MACHINE - 50 Meter\*\* OVERALL WIDTH OF MACHINE - 8 Meter\*\*



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# Skip Laying Machines (Bow Type Laying Machine)

**SARVASV** offers a range of High Speed Bow Type Laying or Twisting Machine. This machine is ideally suitable for Laying or Twisting of Ariel Bunched Cables. The machine can also be used for Laying of Round Insulated Cores.







## Main features

- Heavy Duty frame for high Speed Stability
- Dynamically Balanced Rotors with Double Bearing Support
- Timing Belt Drive for each Rotor
- Specially Designed Steel and Fibre Bows
- Hardened Die Steel Rollers for Wire passing
- High efficiency and speed

- Line drive by A.C. motors with electronic or mechanical synchronization between line components
- HMI /PLC Equipped
- Easy Lay Setting
- Ergonomically designed Operator Control Station
- Range of Takeups and Payoffs available

Model	Wire/Core Dia	Rotor Speed (Rpm)	Main Motor (Kw)
SMEPL/SKP/1+3/1000	5-10mm	500	50
SMEPL/SKP/1+3/1250	5-18 mm	300	60
SMEPL/SKP/1+4/1250	5-18 mm	300	60
SMEPL/SKP/1+4/1600	5-18 mm	300	60

**Note:** Since the Machines undergoes continues changes we reserve the right to modify the details These Machine are Manufactured in Various Bobbin Size as Per DIN Stand.

## (1+4) SKIP / BOW STRANDER MACHINE - 1600 MM

PAY DFF

CAPSTAN

CAP

• OVERALL LENGTH OF MCHINE - 35Meter • OVERALL WIDTH OF MCHINE - 4 Meter

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**SARVASV** offers a range of High Speed Skip / Bow Stranding Machines for Copper and Aluminum Wire Stranding and Insulated Core Twisting for Multi Core Cables. This Strander is used for making round and sector shaped strand for Cables (7 Strand or Flexible) and Over Head Conductors (AAC/AAAC/ACSR).















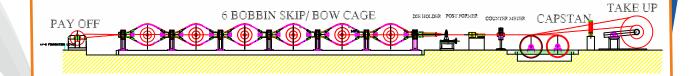
## Main features

- Heavy Duty frame for high Speed Stability
- Dynamically Balanced Rotors with Double Bearing Support
- Timing Belt Drive for each Rotor
- Specially Designed Steel Bows
- Hardened Die Steel Rollers for Wire passing
- High efficiency and speed
- Line drive by A.C. motors with electronic or
- mechanical synchronization between line components
- Centralized lubricating system
- HMI /PLC Equipped
- Easy Lay Setting
- Ergonomically designed Operator Control Station
- •Range of Takeups and Payoffs available
- •No Lay Variation during Power Failure

Model	Wire/Core Dia	Rotor Speed (Rpm)	Main Motor (Kw)
SMEPL/SKP/7/630	1.5-5 mm	1000	40
SMEPL/SKP/7/560	1.5-5mm	1000	40

**Note :** Since the Machines undergoes continues changes we reserve the right to modify the details These Machine are Manufactured in Various Bobbin Size as Per DIN Stand.





• OVERALL LENGTH OF MACHINE - 23 Meter • OVERALL WIDTH OF MACHINE - 3 Meter



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A Huge Range of Takeup and Payoffs are available for Rotating Machines, Extrusion Lines, Wire Drawing Lines.















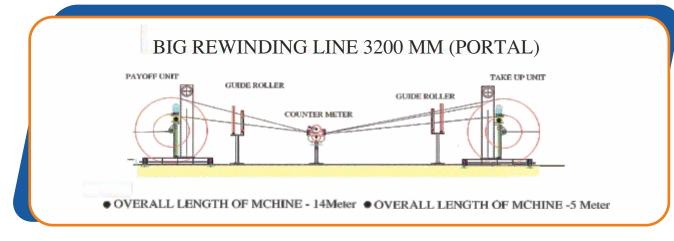


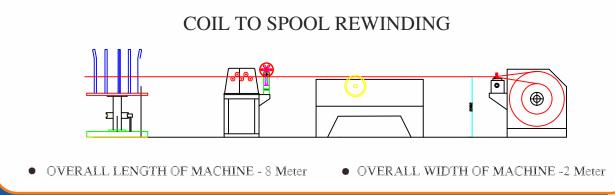
## Main features

- Column Shifting Type, Fully Motorized upto 3200mm Drum
- Portal Type, Fully Motorized upto 3200 mm Drum
- Cantilever Type, Motorized / Hydraulic upto 1600 mm Drum
- Fixed Column/ H Type , Semi Automatic upto 1600 mm Drum
- Gantry Type upto 3200 mm

- Wire Drawing Spooler Unit, Pneumatically Controlled for 630 mm Bobbin
- Automatic Dual Takeup units for 630mm Bobbin for Wire Drawing and Extrusion Line with Auto Changeover
- Rewinding and Inspection Lines upto 3200 mm
- Coil to Spool Rewinding Lines from 1000mm Coil to 500 / 630 mm Bobbin

Note: Since the Machines undergoes continues changes we reserve the right to modify the details These Machine are Manufactured in Various Bobbin Size as Per DIN Stand.







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# Tubular Stranding (Machines

SARVASV offers a range of High Speed Tubular Stranding Machines for Steel, Copper and Aluminum Stranding. This Strander is used for making 7 or 19 Wire Strands of round, sector, compact conductor to be used in Cable Industry or for Over Head Conductors. For Wire Rope Industry we offer 6, 12, 18, 24, 36 Bay Configurations. All Tubular Stranders are with Big Encircled Bearings ensuring Higher Speeds and Long Life of the Machine









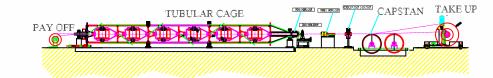
- Rigid rotor running supported by bearings at both
- Encircled Bearings for Higher Speeds and More Stability of the Machine
- Dynamic Balancing
- Intermediate Encircled Bearings for Long Machines
- High efficiency and speed
- Line drive by A.C. motors with electronic or mechanical synchronization between line components

- · Centralized lubricating system
- Disk type Pneumatic brake for Rotor designed for high speed stopping
- HMI /PLC Equipped
- Easy Lay Setting
- Ergonomically designed Operator Control Station
- Range of Takeups and Payoffs available
- Wire Straightening Assembly and Pre Forming Heads

Model	Wire Dia	Max Rotor Speed (Rpm)	Driven Motors (Kw)
SMEPL/TS/7/500	1-5 mm	600	30
SMEPL/TS/7/560	1-5 mm	600	30
SMEPL/TS/7/630/EB	1-5 mm	500	60
SMEPL/TS/12/630/EB	1-5mm	300	75

Note: Since the Machines undergoes continues changes we reserve the right to modify the details These Machine are Manufactured in Various Bobbin Size as Per DIN Stand.

## 1+6 TUBULAR STRANDER 630 MM WITH ENCIRCLED BEARINGS



• OVERALL LENGTH OF MCHINE - 23Meter • OVERALL LENGTH OF MCHINE - 3.5 Meter



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# **Ancillary Equipments**

# **Taping Solutions**

**Sarvasv** offers high speed Taping Solutions for various needs in the cable Industry for HT Cables, Armoured cables, Control and Instrumentation Cables, Telecomunication Cables.

- Tangential Taping Head for PVC / PE / Mylar / Paper / Nylon
- Concentric Taping Head for PVC /Copper/Paper/Nylon
- Double Steel Taping Head
- Copper Taping Heads
- High Speed Binder Heads







# Haulf off Units Caterpillar/Capstan

The units are specially designed for constant pulling without any slippage.







## Main features

Belt Caterpillar Units - Upto 2500mm Contact Length

- Pneumatically Controlled and Operated
- Long Lasting Belts
- Rotating Catterpillar Units for Drum Twister

#### **Capstan Units**

Dual Grooved Capstans upto 3000 mm Dia

- Single Taper Capstan with Fleet Ring upto 3000 mm Dia
- Belt Wrap & Grooved Capstan Units for Extrusion Lines

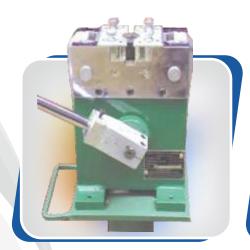
# **Ancillary Equipments**

# **Extrusion, Wire Drawing & Stranding**















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