



The Complete
Wire & Cable MACHINERY
Solution

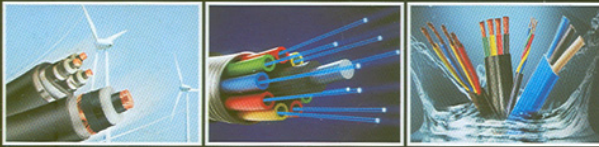


- INNOVATION • CUSTOMISATION • PERFORMANCE



ISO 9001-2008 Co.

www.sarvasv.com



Introduction

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

- Given below is a brief description of various products that we manufacture and offer for sale
- High Speed Skip Stranders (For Al and Cu and insulated Cores)
- Rigid Stranding Machine. (For Steel, Al and Cu)
- Rigid Stranding Machines with Batch Loading (For Steel, Al and Cu)
- Armouring Machine.
- Core Laying up Machine.
- Armouring cum Laying Machine. (Multi Purpose)
- Special Planetary Stranders / Anti Torsion Machines
- Extrusion and Sheathing Lines. (For PVC and XLPE)
- Rewinding Lines, Take up Units, Payoff Units and Catterpillar Units
- Double Twist Bunching Machines
- Taping Solution for PVC, Copper, Steel
- High Speed Tubular Stranding Machine upto 36 wires (For Al, Cu and Steel Ropes)

Key Pillars

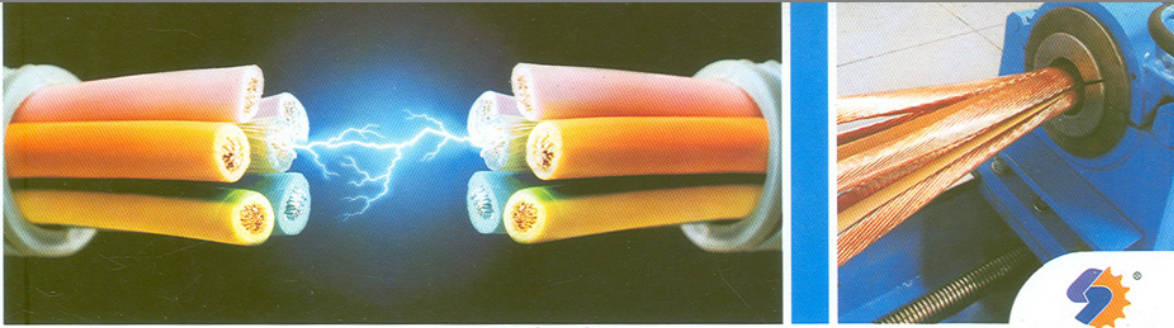
- Premium Quality Products.
- Flawless and Innovative Customization provided
- Pool of Qualified and Experienced personnel
- Prompt After - Sales Service
- State of Art Infrastructure
- Dedicated Team for Quality Control

Infrastructure

Sarvasv has state-of-art facility to produce each component used in their machine In-house. A Dedicated Design team works on Solid Works and Auto Cad Softwares to ensure Flawless designing. The Company has a mix of Indian and European Imported Machines to ensure high productivity and increased accuracy. They have state of art 3 Axis Plano Miller, which is used in all Base surfaces and which ensures high level of accuracy in the alignment of machines, a key feature for Rotating Machine. The Heavy Duty, Automatic Boring Machine is used for manufacturing all gear boxes and ensures high level of accuracy. They have Lathe Machine to turn and machine Central Shafts upto 30 Feet in length and Heavy Duty High Centre Lathes to turn and do accurate grooving for Capstans upto 3000mm Dia. In addition they have a wide Range of Lathe Machines, Shaper Machines, Balancing Equipments, Radial Drill, Slotting Machines, Plasma Cutting Machines and MIG/TIG/Argon Welding stations to ensure highest quality and consistency of their products.

Each and every component manufactured goes through an inspection by the dedicated Quality Control Team using Equipments like Vernier Calipers, Hardness Testers, Micro Meters, Bore Gauges, Height Gauges, Water Level Indicators Sound Level Meters etc.

The manufacturing Facility in Bhiwadi is equipped with Testing Rig for the machines; each machine is tested on No Load or Partial Load Condition during the Inspection of the machine.



Designing

Standardization and Customization

Sarvasv has always believed that each customer requirements need to be studied in detail and hence designing the machines to suite their requirements. They have a dedicated design team which ensures that necessary changes are made to the standard models to ensure maximum customer satisfaction.

The Design team is equipped with state- of- art Machine design Software, Analysis Tools and 3-D Drawing Tools, to ensure each design has passed the test before production.

The Team

The Core Competency of **Sarvasv** is the Team which it has developed and groomed over the years. It has a very strong and highly qualified Top Management Team, which primarily consists of Engineers, Post Graduates in Management and Chartered Accountants. The Top Management headed by Mr. Vinod Kapoor has a very rich experience of over 35 years in the Wire and Cable Industry.

The Middle Management consists of Design Head, Production Heads, Quality Head who are well trained engineers having a very rich experience in Wire and Cable Machinery Manufacturing.

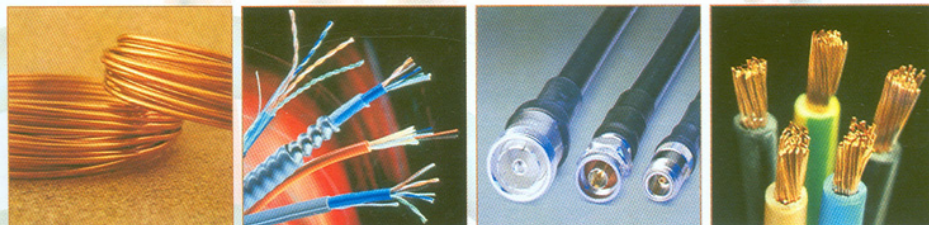
The Work Force consists of well experienced Machine operators, Fitters, Welders who are mainly ITI Graduates or have gained rich experience on the shop floor.

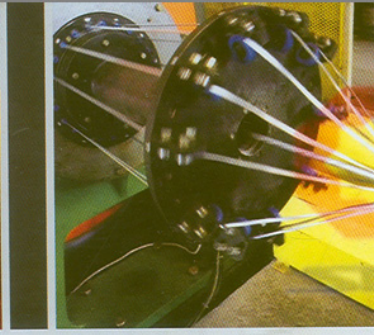
To further enhance the capabilities of our work force, regular training sessions are organized for each employee and a regular Feed Back and Review System is meticulously followed at each level.

After Sales Service

Sarvasv has excelled in offering the best after sales service to their clients over a period of 35 years now. This has ensured repetitive orders from clients. At Sarvasv we have always believed in strengthening their relationship with existing clients by offering them the best services at all times. They have always fulfilled their commitments and have hence ensured a very strong reputation for Stability and Service over the years. A dedicated team of field engineers are always ready for any customer queires. These engineers have specially been trained for Problem Solving and Maintenance issues and have rich experience in the Wire and Cable Manufacturing.

Sarvasv archives detailed drawings for each machine manufactured, and any change or damage of parts can be easily replaced by the client at the shortest notice. A large number of standard components are maintained in inventory aswell to ensure shortest lead time and hence ensure that the downtime for the client is reduced.



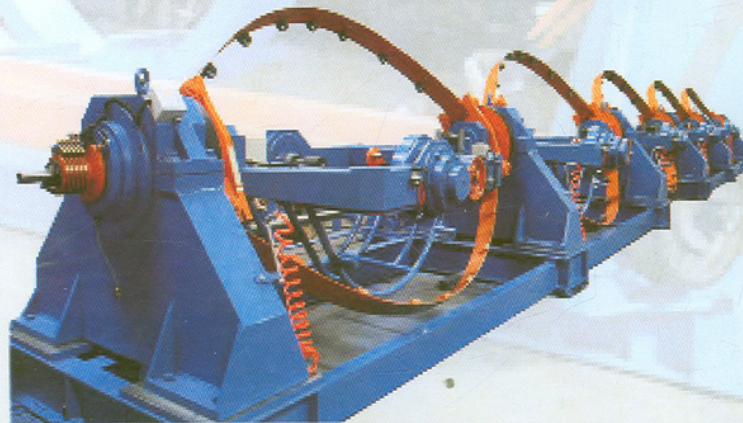
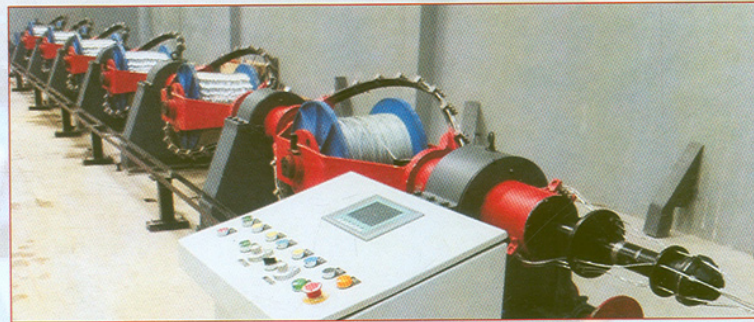


Skip Stranding Machines

SARVASV offers a range of High Speed Skip Stranding Machines for Copper and Aluminum Stranding. This Strander is used for making 7 Strands for Cable or Overhead Conductors. Skip Stranders are also widely used for laying of Round Insulated Cores.

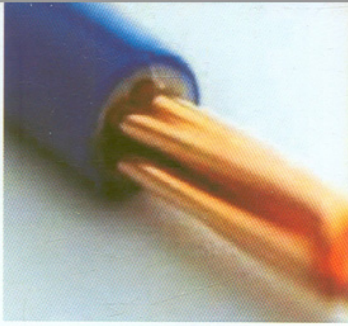
Main Features

- Heavy Duty frame for high Speed Stability
- Dynamically Balanced Rotors with Double Bearing Support
- Timing Belt Drive for each Rotor
- Specially Designed Steel Bows
- Stainless 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
- MMI /PLC Equipped, optional
- Easy Lay Setting
- Ergonomically designed Operator Control Station
- Range of Takeups and Payoffs available



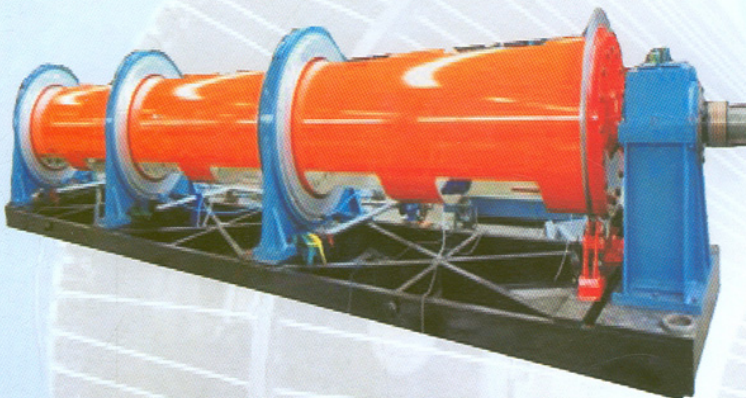
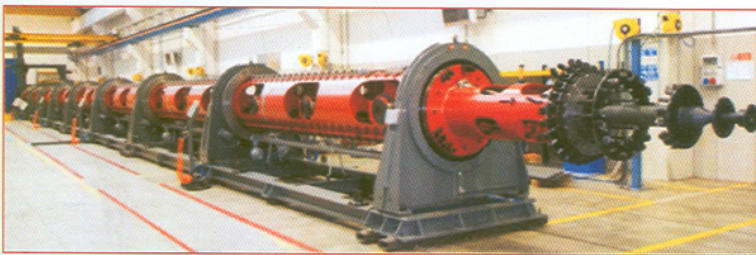
Model	Wire/Core Dia	Rotor Speed(Rpm)	Main Motor (Kw)
SMEPL/SKP/7/630	1.5-5 mm	900	40
SMEPL/SKP/3/1000	2.5-10mm	500	50
SMEPL/SKP/3/1250	5-18 mm	300	60

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



Tubular Stranding Machine

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 Strands in Cable Industry. For Wire Rope Industry we offer 6, 12, 18, 24, 36 Bay Configurations.

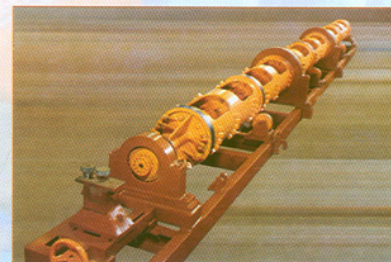


Main Features

- Rigid rotor running supported by bearings at both ends
- Dynamic Balancing
- Intermediate Encircled Bearings for Long Machines, optional
- High efficiency and speed
- Line drive by A.C. or D.C. motors with electronic or mechanical synchronization between line components
- Centralized lubricating system
- Disk type Pneumatic brake for Rotor designed for high speed stopping
- MMI /PLC Equipped (optional)
- Easy Lay Setting
- Ergonomically designed Operator Control Station
- Range of Takeups and Payoffs available
- Wire Straightening Assembly and Pre Forming Heads (Optional)

Model	Wire Dia	Max Rotor Speed(Rpm)	Driven Motors (Kw)
SMEPL/TS/7/500	1-5 mm	500	30
SMEPL/TS/7/560	1-5 mm	500	30
SMEPL/TS/7/630	1-5 mm	450	40
SMEPL/TS/12/500	1-5mm	300	60

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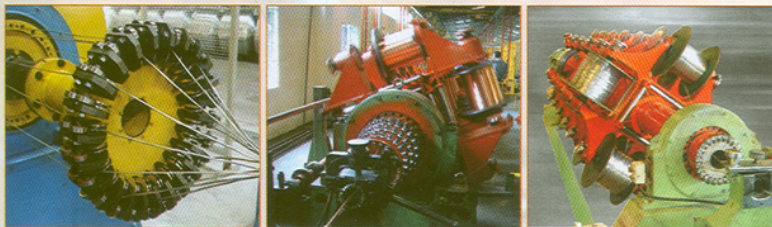




Rigid Stranding Lines

The machine is used for stranding Copper, Steel and Aluminum. Stranding unilay and reverse concentric, round, compressed, compacted or sector shaped (straight or prespiralled) as per customer requirements.

The machine is used for making stranded conductors for LT Cables & HT Cables and AAC/AAAC/ACSR Conductor.

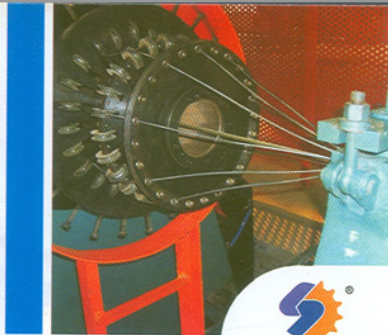


Main Features

- 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
- Line drive by A.C. or D.C. motors with electronic or mechanical synchronization between line components.
- Centralized lubricating system
- Multi Speed Special Gear Boxes for each cage
- Heavy Duty Grooved, Dual Capstans for different configuration
- Disk type Pneumatic brake for Each Cage.
- Machines with or without back twist
- Instant Stop on Wire Breakage through Lashing Ring
- MMI /PLC Equipped (optional)
- Easy Lay Setting
- Batch Loading – (Optional)
- Range of Takeups and Payoffs available
- Pre Former and Post Former Heads (Optional)

Model	Wire Dia	Max Rotor Speed(Rpm)	Bobbin Size	Driven Motors (Kw)
SMEPL/RS/30	1-4.77 mm	230/210/190	500/560/630	60
SMEPL/RS/37	1-4.77 mm	250/230/210	500/560/630	60
SMEPL/RS/54	1-4.77 mm	230/210/190	500/560/630	75
SMEPL/RS/61	1-4.77 mm	250/230/210	500/560/630	100
SMEPL/RS/91	1-4.77 mm	250/230/210	500/560/630	130

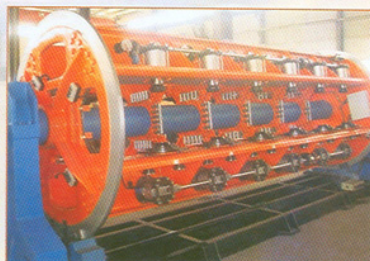
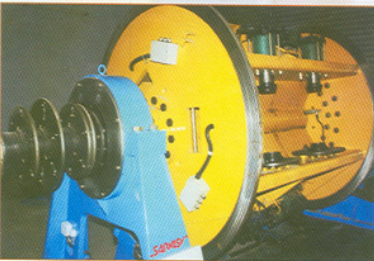
Note : Since the Machines undergoes continues changes we reserve the right to modify the details



Automatic Stranding 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) as per customer requirements.

The machine is used for making stranded conductors for LT Cables & HT Cables and Overhead Aluminium Conductors (AAC/AAAC/ACSR)



Main Features

- Self supporting rigid rotor design for 1 + 6 + 1 2 + 1 8 + 2 4 + 3 0 + 3 6 Bobbins(Assorted Configurations)
- Bobbin Loading – Batch Loading (Motorized)- Bottom Loading
- Bobbin Size : 630 DIN 46397 or as per Customer Specifications
- Pneumatic Pintle Opening and Closing with safety interlocks
- Tension Control - Pneumatic
- Line Speed : 30-75 Mtrs/Min for 630 mm Bobbin
- Line drive by A.C. or D.C. motors with electronic or mechanical synchronization between line components.
- Centralized lubricating system
- Multi Speed Special Gear Boxes for each cage
- Heavy Duty Grooved, Dual Capstans for different configuration
- MMI /PLC Equipped (optional)
- Range of Takeups and Payoffs available
- Pre Former and Post Former Heads (Optional)

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

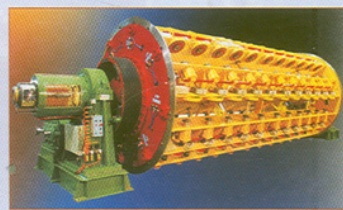
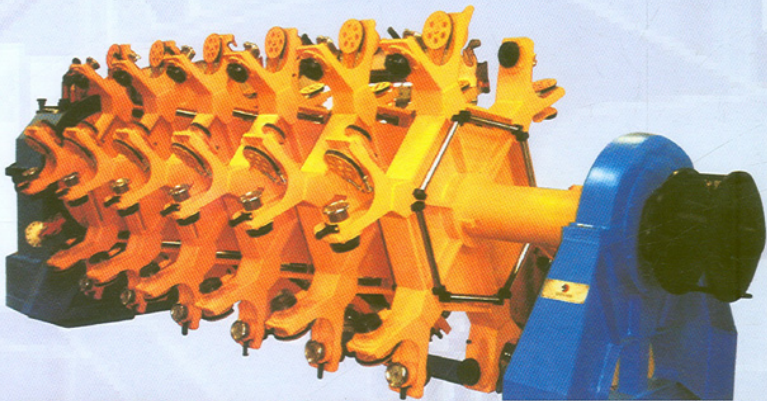


Armouring Machine

The machine is used for Steel Round or Flat wire armouring and Cu- screening of the cables for LT & HT Cables

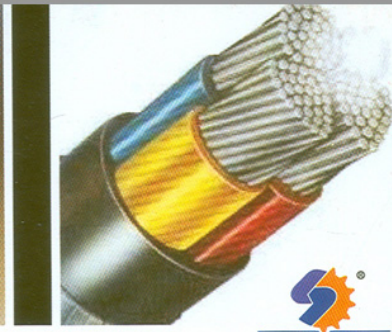
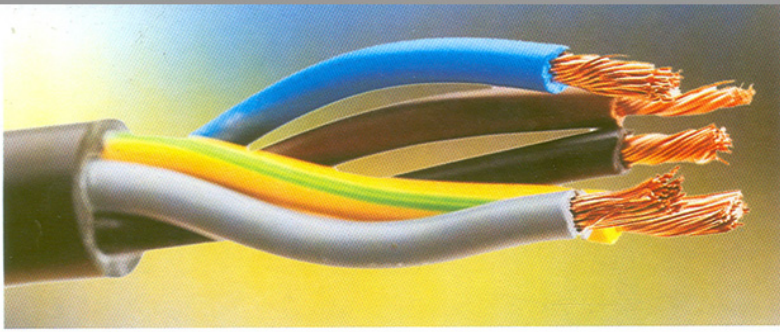
Main Features

- Self supporting rigid rotor design
- High efficiency and speed
- Single or Multi cage Assembly
- 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
- Centralized lubricating system for bearing
- Tandem type Stranding Cum Armouring Machines
- Machines with or without back twist
- MMI /PLC Equipped (optional)
- Range of Taping Heads as per customer requirement
- Range of Takeups and Payoffs 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	450/500/560	50
SMEPL/ARM/54	1-5 mm	130	450/500/560	60
SMEPL/ARM/72	1-5 mm	100	450/500/560	100
SMEPL/ARM/96	1-5 mm	80	450/500/560	125

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



Core Laying Up Machine

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

Ariel Bunched Cables can be laid in (1+4) Bobbin Configuration.



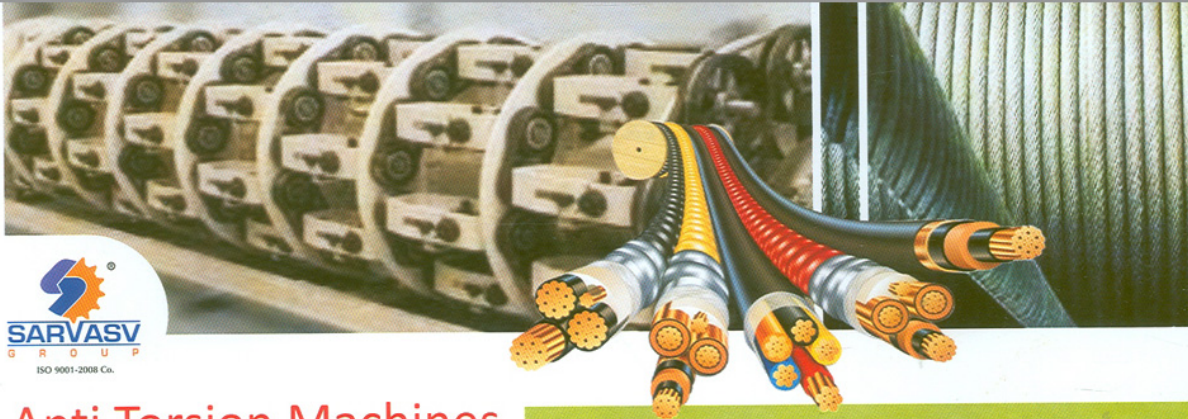
Main Features

- 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.
- MMI 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	20	75
SMEPL/CL/1+3/1800	18	90
SMEPL/CL/1+4/1250	40	40

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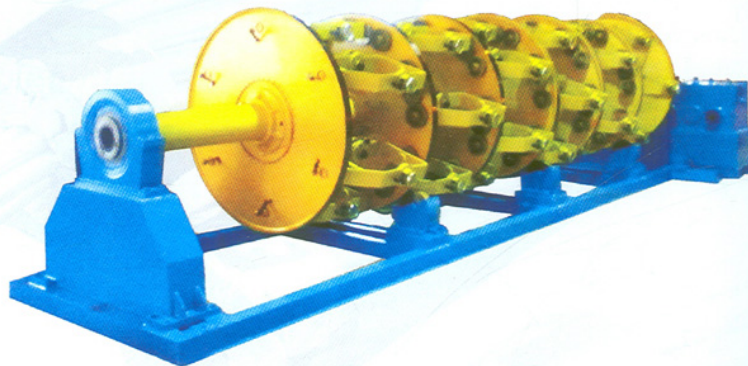


Anti Torsion Machines

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. These Machines are manufactured in various Bobbin sizes as per DIN standard (400/450/500/630).

Main Features

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



Product Range

Laying Machines

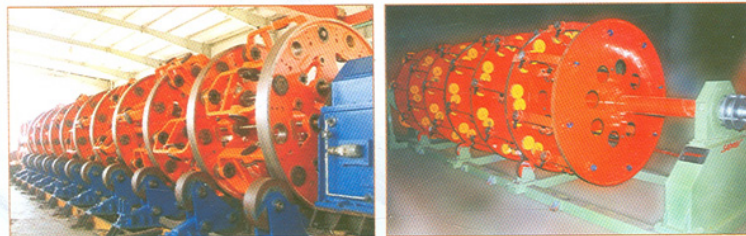
- 19 Bobbin (6+12) Anti Torsion Laying Machine
- 36 Bobbin (6+12+18) Anti Torsion Laying Machine
- 19 Bobbin Tandem Anti Torsion Machines

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



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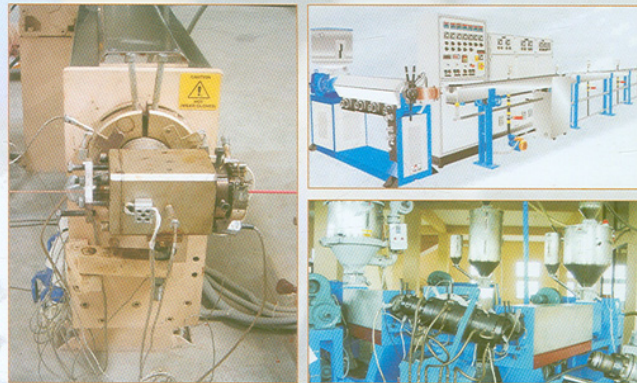
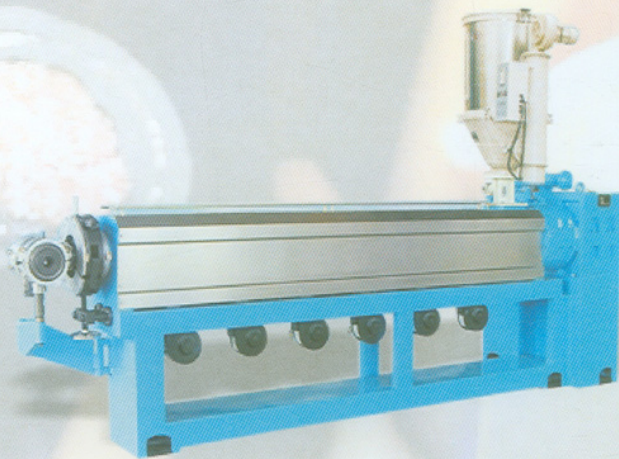


Extrusion Line

SARVASV offers a range of extrusion lines for PVC and XLPE Insulation and sheathing suitable for House Wire, control Cable and Power Cable

Main Features

- High linear outputs throughout a broad range of speeds and pressure
- Robust construction
- Production flexibility over a large scope of application
- Special Screw Designs
- Highly efficient 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 Arrangements for dual coating and lines.



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

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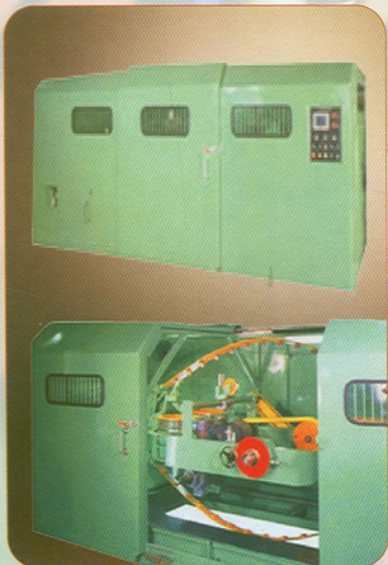
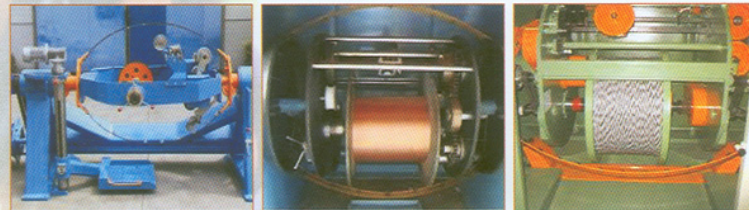
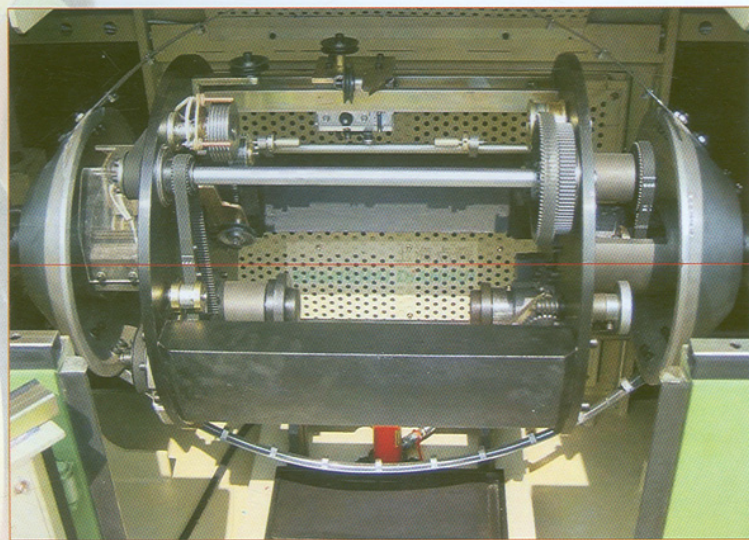


Double Twist Bunching Machine

SARVASV offers a range of High Double Twist Bunching Machines for Copper and Flexible Cables. This machine is ideally suitable for bunching copper wire for Flexible Cables and 3/7 Wire Configuration. Insulated Cores can also be Laid on this machine.

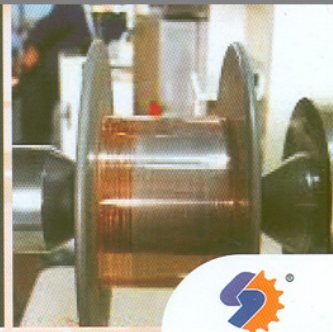
Main Features

- Heavy Duty frame for high Speed Stability
- Dynamically Balanced Rotors with Double Bearing Support
- Timing Belt Drive for each Rotor
- Bobbin Lifting : Hydraulic
- Sound Proof Cabinet , Noise Level< 80 DB
- Specially Designed Bows (Carbon Fibre Bows also Available)
- Stainless Steel Rollers/Ceramic Guides for Wire passing
- High efficiency and speed
- Line drive by A.C. motors
- Centralized lubricating system
- MMI /PLC Equipped, optional
- Easy Lay Setting through gears sets
- Ergonomically designed Operator Control Station



Model	Wire/Core Dia	Rotor Speed(Rpm/Tpm)	Main Motors (Kw)
SMEPL/BM/630	0.15mm-1mm	1600/3200	15
SMEPL/SKP/800	0.4mm - 2.0mm	1000/2000	25

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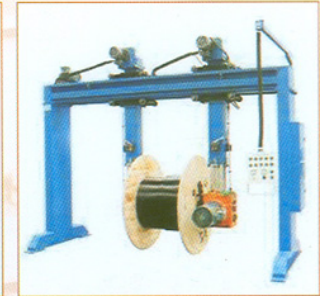
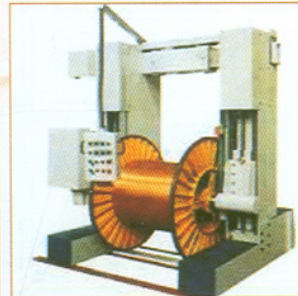
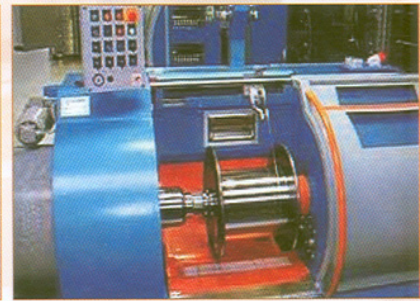
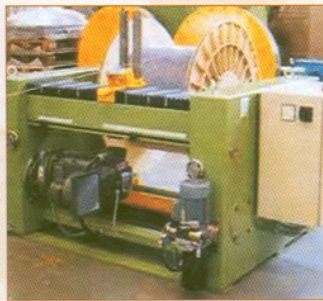
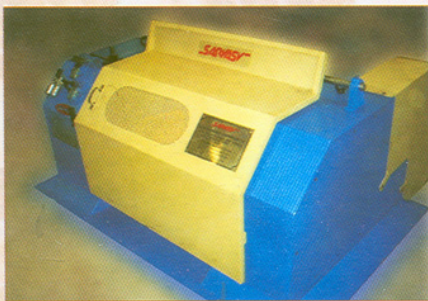
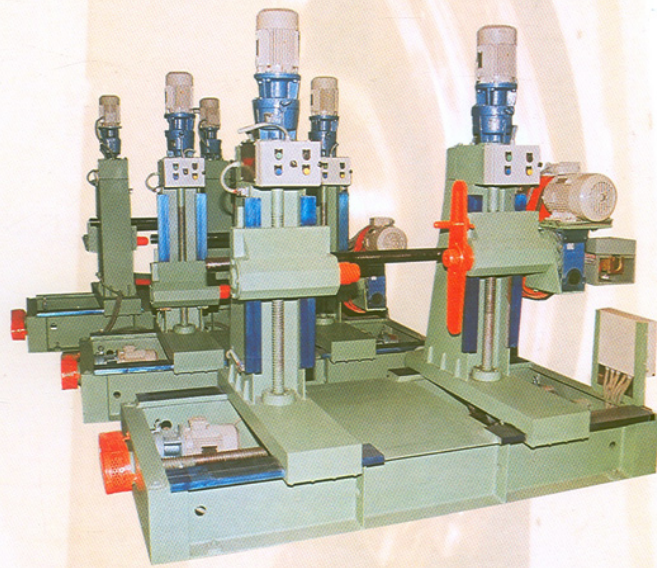


Takeup / Payoff / Rewinding Lines

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 , Semi Automatic upto 1600 mm Drum
- Gantry Type upto 3200 mm
- Wire Drawing Spooler Unit, Pneumatically Controlled for 630mm Bobbin
- Automatic Dual Takeup units for 630mm Bobbin for Wire Drawing and Extrusion Line with Auto Changeover
- Rewinding Lines upto 3200 mm
- Coil to Spool Rewinding Lines from 1000mm Coil to 500 / 630 mm Bobbin



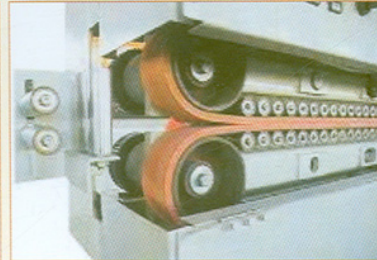
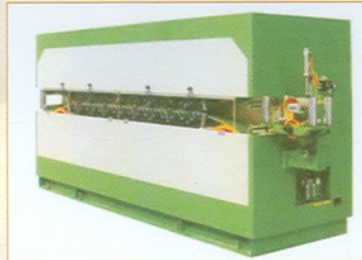


Haul off Units

Caterpillar Units

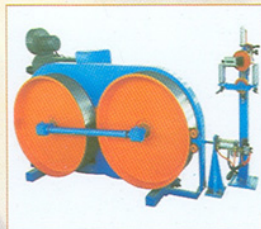
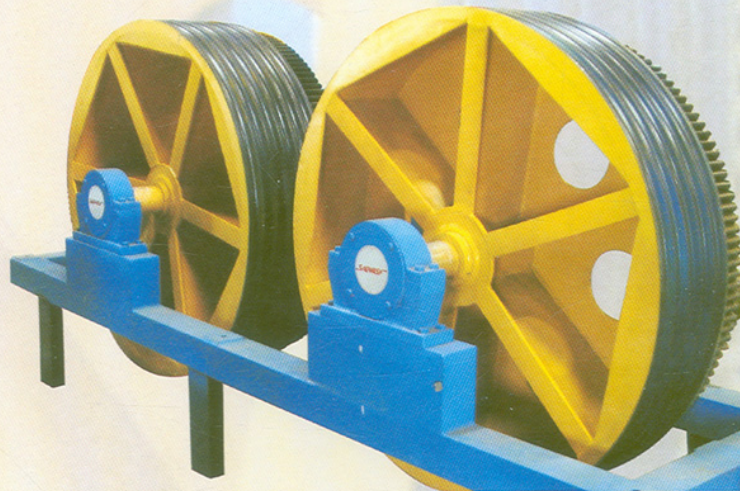
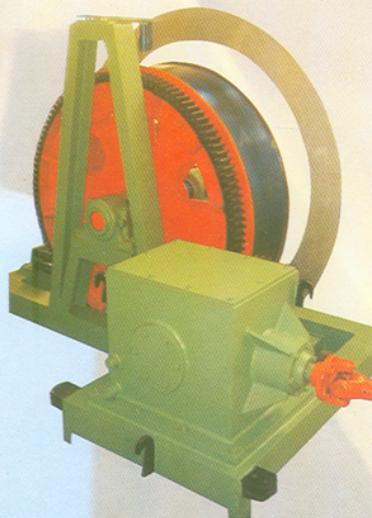
The units are specially designed for constant pulling without any slippage.

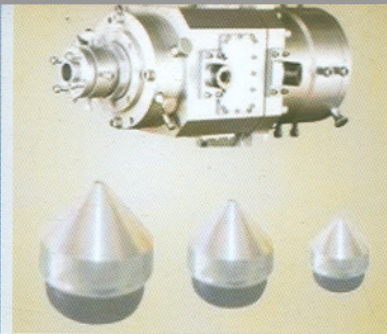
- ❖ Belt Caterpillar Units – Upto 2500mm Contact Length are Available
 - Pneumatically Controlled and Operated
 - Guide Rollers at Entry and Exit
 - Long Lasting Belts
 - Specially designed gear boxes
 - Suitable for Sheathing Lines and Laying up Machines



Capstan Units

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



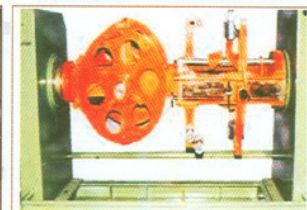
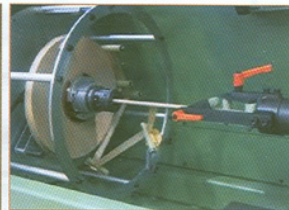
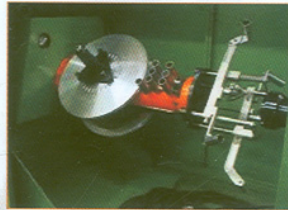


Ancillary Equipments

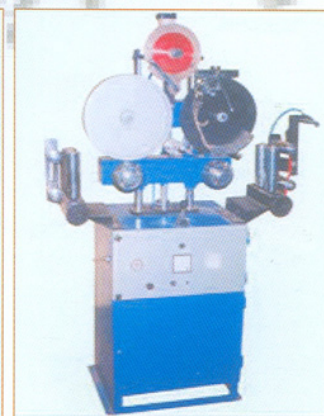
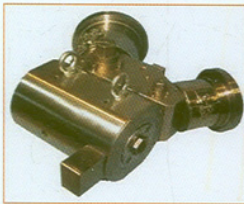
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- Concentric Taping Head for PVC/ Copper/Paper/Nylon
- Double Steel Taping Head



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