



Supertec

SINCE : 1984

Machines Pvt. Ltd.

World of Extrusion



Built to
PERFORM...



Supertec

SINCE : 1984

Machines Pvt. Ltd.



www.supertecmachines.com

Founder
Late Shri S.K Gupta

INTRODUCTION

Founded in 1984 by Late Shri S.K. Gupta, Supertec Machines Pvt. Ltd. is a pioneering manufacturer of extrusion machinery for the wire and cable industry. Headquartered in Faridabad, India, Supertec has grown to become one of the most respected names in the field, synonymous with superior technology, precision engineering, and reliable customer service.

The name "Supertec"—derived from "Superb in Technology"—reflects our core philosophy: to deliver state-of-the-art machinery that enables our clients to achieve high performance, consistent quality, and long-term productivity.

For over four decades, we have remained committed to innovation, customer satisfaction, and global standards of excellence, supporting wire and cable manufacturers in over 25 countries.

Vision & Mission

To be a global leader in wire and cable extrusion technology, delivering machinery solutions that empower industries to innovate and grow sustainably.

To provide technologically advanced, energy-efficient, and user-friendly extrusion systems. To ensure timely service and turnkey solutions that maximize customers' operational efficiency and profitability. To continually innovate through R&D; and maintain a leadership role in the extrusion machinery sector.

Core Values

Innovation & Technology: Continuous investment in R&D; to meet evolving industry needs.

Quality & Reliability: ISO 9001-compliant manufacturing processes and stringent quality controls.

Customer Focus: End-to-end support from design to commissioning and after-sales service.

Integrity & Sustainability: Ethical practices and eco-friendly production methods.

Global Competence: Meeting international standards to serve clients worldwide.

We offer a comprehensive range of extrusion machinery and accessories for diverse applications in the wire and cable industry: Extrusion Machinery



Customer Service

Our customer service department is fully equipped to assist in Installation, Commissioning, Maintenance, Operator training, and the provision of turnkey solutions for our customers, thus improving their fabrication efficiency, quality standards, and ultimately maximizing their profits. Our system make us capable to easily trace and trouble shoot any issues that may arise , quickly and efficiently.

Quality Control

Quality control is of utmost importance to SUPERTEC MACHINES , as we continually strive to develop innovative and original products of the highest quality possible. Our Engineers utilize the latest testing techniques available, together with various other types of measuring devices, including dimensional testing equipment which enables us to readily verify the physical properties of the materials involved. In addition, Our company is compliant with ISO 9001 . This certificate requires our constant and dedicated commitment towards the improvement of entire cycle of activities in our manufacturing processes. With these quality control procedures and ISO certification in place, Supertec Machines is well able to provide its customers with the full support necessary and offer turnkey solutions to maximize the productivity of their machines, thus guaranteeing complete customer satisfaction.



Self-Centering Cross Heads

Sizes : 4-6 to 60-80

Self-centering head designed to minimize line start time, reduce scrap and increase concentricity

Mechanical Characteristics

- Made of Nitrided steel or Hastelloy for fluorinated materials.
- Distributor with optimal distribution "easy flow".
- Skin cap with cylindrical distributor.
- Manual or hydraulic bleed screws.



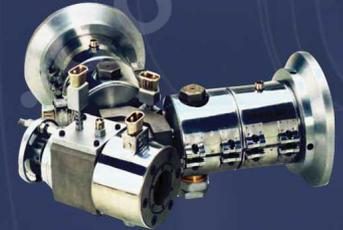
Self-Centering Heads For Big Diameters

Sizes : upto 80-100

Self-centering head designed to minimize line start time, reduce scrap and increase concentricity

Mechanical Characteristics

- Made of Nitrided steel or Hastelloy for fluorinated materials.
- Distributor with optimal distribution "easy flow".
- Skin cap with cylindrical distributor.
- Manual or hydraulic bleed screws.



Manual Centering Heads

Sizes : 10-12 to 130-150

Manual centering heads designed to minimize starting times as well as the time of change of guide and die.

Mechanical Characteristics

- Made of Nitride steel or Hastelloy for fluorinated materials.
- Distributor with optimal distribution "easy flow".
- Skin cap with cylindrical distributor.
- Manual or hydraulic bleed screws.



Triple Extrusion Head

Size : 4/6 to 35/45mm

Self-centering heads to minimize line starting, and to reduce times of change of guide and die.

Mechanical Characteristics

- Self-centering head.
- Head body and accessories made of Nitrided steel.
- Head with double distributor for the two internal layers and by means of a bushing for the external layer.
- Mounting by guide, hybrid and swath, with adjustment of the position of the guide, hybrid of fixed position and adjustable swath position.
- Heating resistors and thermocouple sockets.
- Easy to change the tooling on the front.
- Head of reduced dimensions facilitating the use and maintenance operations.



Crosshead List of Supertec Machines

Manual/Die Center Single Layer Crosshead

S.No.	Description	Max. Conductor Dia	Max. Cable Dia
1	10 X 15 Manual/Die Center Single Layer	12.00 MM	15.00 MM
2	15 X 25 Manual/Die Center Single Layer	17.00 MM	25.00 MM
3	25 X 35 Manual/Die Center Single Layer	27.00 MM	35.00 MM
4	35 X 45 Manual/Die Center Single Layer	35.00 MM	45.00 MM
5	40 X 60 Manual/Die Center Single Layer	40.00 MM	60.00 MM
6	65 X 80 Manual/Die Center Single Layer	65.00 MM	80.00 MM
7	80 X 100 Manual/Die Center Single Layer	80.00 MM	100.00 MM
8	100 X 120 Manual/Die Center Single Layer	100.00 MM	120.00 MM
9	120 X 140 Manual/Die Center Single Layer	120.00 MM	140.00 MM
10	140 X 160 Manual/Die Center Single Layer	140.00 MM	160.00 MM

Manual/Die Center Dual/Skin Layer Crosshead

S.No.	Description	Max. Conductor Dia	Max. Cable Dia
1	10 X 15 Manual/Die Center Skin/Dual Layer	12.00 MM	15.00 MM
2	15 X 25 Manual/Die Center Skin/Dual Layer	17.00 MM	25.00 MM
3	25 X 35 Manual/Die Center Skin/Dual Layer	27.00 MM	35.00 MM
4	35 X 45 Manual/Die Center Skin/Dual Layer	35.00 MM	45.00 MM
5	40 X 60 Manual/Die Center Skin/Dual Layer	40.00 MM	60.00 MM
6	65 X 80 Manual/Die Center Skin/Dual Layer	65.00 MM	80.00 MM
7	80 X 100 Manual/Die Center Skin/Dual Layer	80.00 MM	100.00 MM
8	100 X 120 Manual/Die Center Skin/Dual Layer	100.00 MM	120.00 MM
9	120 X 140 Manual/Die Center Skin/Dual Layer	120.00 MM	140.00 MM
10	140 X 160 Manual/Die Center Skin/Dual Layer	140.00 MM	160.00 MM

Self/Fix Center Single Layer Crosshead

S.No.	Description	Max. Conductor Dia	Max. Cable Dia
1	4 X 6 Self/Fix Center Single Layer Crosshead	6.00 MM	10.00 MM
2	16 X 20 Self/Fix Center Single Layer Crosshead	16.00 MM	22.00 MM
3	25 X 35 Self/Fix Center Single Layer Crosshead	25.00 MM	35.00 MM
4	35 X 45 Self/Fix Center Single Layer Crosshead	35.00 MM	45.00 MM
5	40 X 60 Self/Fix Center Single Layer Crosshead	40.00 MM	60.00 MM

Self/Fix Center Dual/Skin Layer Crosshead

S.No.	Description	Max. Conductor Dia	Max. Cable Dia
1	4 X 6 Self/Fix Center Skin/Dual Layer Crosshead	6.00 MM	10.00 MM
2	12 X 14 Self/Fix Center Skin/Dual Layer Square Crosshead	12.00 MM	20.00 MM
3	16 X 20 Self/Fix Center Skin/Dual Layer Crosshead	16.00 MM	22.00 MM
4	25 X 35 Self/Fix Center Skin/Dual Layer Crosshead	25.00 MM	35.00 MM
5	35 X 45 Self/Fix Center Skin/Dual Layer Crosshead	35.00 MM	35.00 MM
6	40 X 60 Self/Fix Center Skin/Dual Layer Crosshead	40.00 MM	60.00 MM

Tripple Layer Crosshead for MVCC/SIOPASS/CCV

S.No.	Description	Max. Conductor Dia	Max. Cable Dia
1	2540 Tripple Layer Crosshead for MVCC/SIOPASS/CCV Line	25.00 MM	42.00MM
2	4575 Tripple Layer Crosshead for MVCC/SIOPASS/CCV Line	45.00 MM	80.00MM
3	5090 Tripple Layer Crosshead for MVCC/SIOPASS/CCV Line	50.00 MM	90.00MM

Silicone Extruders

Mechanical Characteristics

- Robust reducer with integrated AC motors.
- Cylinder and endless screw and shirt made of bimetallic material.
- Water cooling in the gearbox, motors, cylinder, endless screw and feed zone.

Electrical Equipment

- AC motors are integrated into the gear unit.
- Digital frequency inverter for AC motors.



Rubbers Extruders

Size : 45 to 175mm

SUPERTECH offers high technology and high productivity solutions adaptable to the needs of the client. We are specialists in adapting the possibilities of the wide range of machinery manufactured , to achieve the line that best suits the customer's requirements.

Mechanical Characteristics

- Robust reducer with AC motors
- Endless screw and cylinder and sleeve made of nitriding or bimetallic steel, on demand.
- Water cooling in the gearbox, motors, cylinder, endless screw and feed zone.

Electrical Equipment

- AC motors integrated into the gear unit.
- Digital frequency inverter for AC motors.



Extruders

SUPERTECH offers high technology and high productivity solutions adaptable to the needs of the client. We are specialists in adapting the possibilities of the wide range of machinery manufactured, to achieve the line that best suits the customer's requirements.

Among the large number of coating lines installed across ,following are the applications we did so far:

- Data cables insulation lines.
- Building wires insulation lines.
- Automotive cables insulation lines.
- Combined lines.
- Sheathing lines.
- Tandem filling and sheathing lines.
- Fluorinated products insulation line.
- Silicone insulation lines.
- XLPE insulation lines



Auxiliary Extruders

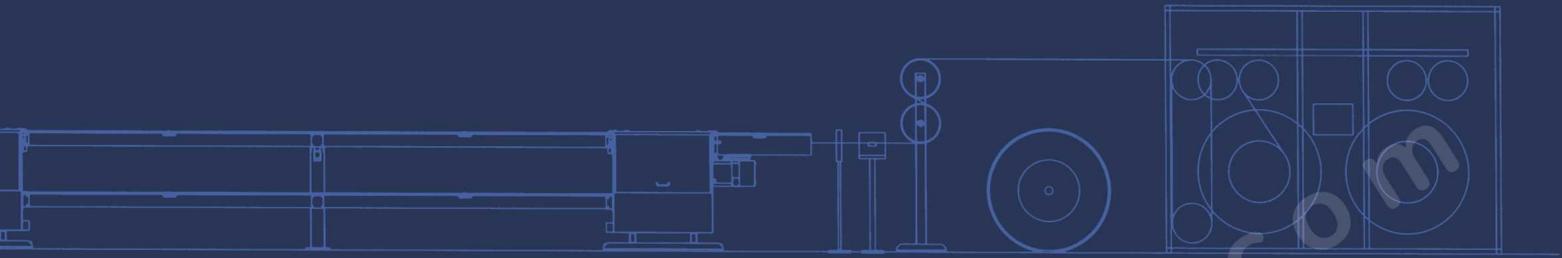
The most important qualities of an auxiliary extruder is that it must be flexible in its utilisation, it must be adaptable to extrusion configuration, it must take reduced floor space and it a wide variety of materials.

The extruders itself is fixed to a multi-axis moving stand that provides all the possible movements extruders.

1. The Extruder can be oriented horizontally through all the possible
2. The Extruder can be rotated 1800 around its fixing point,
3. Also provision to rotate various degree rotation on Its axis.



Insulation line for Building Wire



- Dual flyer payoff or cantilever motorized payoff for spools from 500 mm up to 1.600 mm
- Main extruders diameter from 50 mm to 120 mm; auxiliary extruders diameter from 30 mm to 65 mm
- Cooling trough with or without thermoregulation, provided with multi-pass system or double capstan
- Double automatic takeup or single manual takeup for spools from 500 mm to 1.600 m
- Plastic materials : PVC, PE, XLPE, HFFR, PP, PUR, XLPE
- Automatic dosing unit
- Maximum diameter : 10 mm
- Insulation process type : insulation, skin, stripe, quick color change
- Flexibility range :
- Rigid :
 - Section : 0.5 - 10.0 mm² Speed : 400 (max)
- Class 2 :
 - Section : 0.5 - 35.0 mm² Speed : 450 (max)
- Class 5 - 6 :
 - Section : 0.5 - 35.0 mm² Speed : 450 (max)

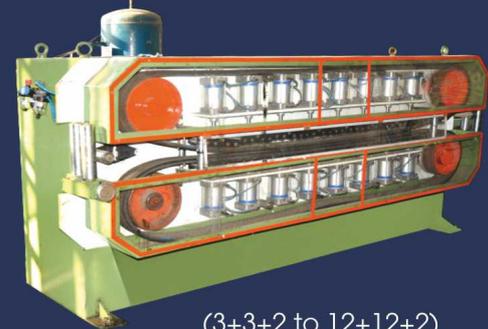


Extruder

- Main extruders diameter from 80 mm to 160 mm; auxiliary extruders diameter from 35 mm to 80 mm
- Tandem extrusion or co-extrusion process can be used to produce cables with filler
- Cooling Trough with or without thermoregulation and final section composed of single / double trough and return pulleys

Technical Specification :

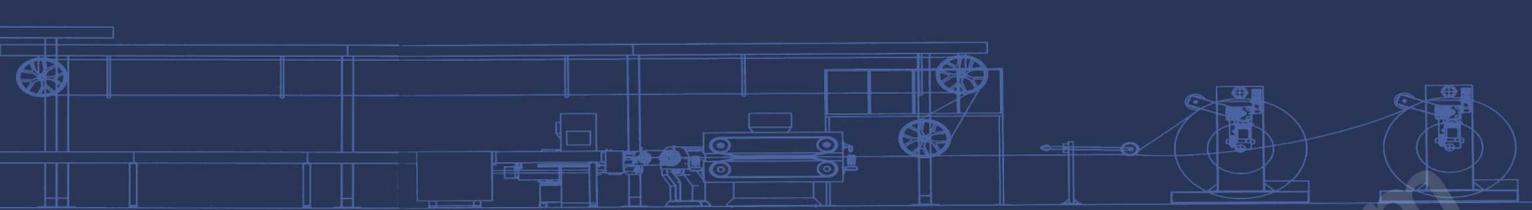
Screw size	L/d Ratio	Max. rotation speed of screw (rpm)	Main motor (k.w)	Max. extrusion capacity (kg/h)	
				PVC	PE
30	25	120	7.5	25	15
45	25	120	11	65	40
65	25	120	30	160	90
80	25	100	45	300	175
90	25	100	75	400	220
100	25	100	100	500	375
120	25	80	160	600	450
150	25	72	200	850	600
200	25	50	260	1300	800



(3+3+2 to 12+12+2)
CATERPILLAR

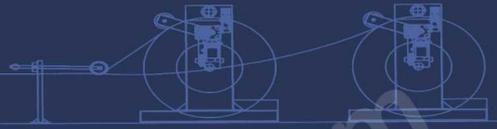
Sheathing line for Power





TAKE UP SIZE DIN 1600 mm to 4000 mm

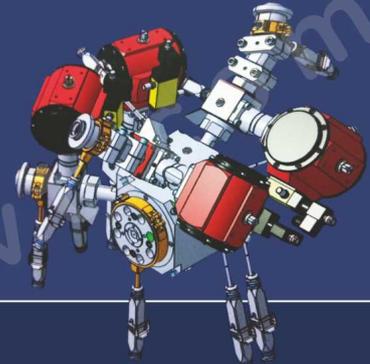
/ Rubber Cable



TRIPLE LAYER EXTRUSION LINE



Supertec machine high speed insulation line with 1200 meter per minute with dual take up auto change over 800 mm



Dual take up 630 mm to 1250 mm

H Type Take Up Pay Off

Size : 1600mm to 3200

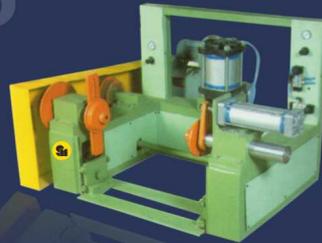


Caterpillar : 4+4+2 to 12+12+2





Spooler 500 To 630 Mm



Motorised Pay Off 500 To 800 mm



Self Treversing Take Up 1600 To 3000 Mm

Extrusion Line with 4500 mm Take Up Pay Off



175+80 mm Extrusion Line with 4500 mm Take Up Pay Off



Extrusion Line with 4500 mm Take Up Pay Off



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STM 150/185 Sheathing Line Cross Head