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INDIA**

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MACHINES FOR OPTIC FIBER CABLES

**UNITUBE
&
MULTITUBE**

- **DUCT**
- **ARMOURED**
- **AERIAL**
- **FRP**



COLOURING LINE MODEL MC-COL-2500



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Technical Specification

Maximum Line Speed	Up-to 2500 MPM
Pay-Off	25.2/50.4/63 KM length
Take up Reel Diameter	25.2/50.4/63 KM length
Maximum Fiber-Pull Tension	Up-to 5 N
Maximum Fiber Pay-Off Tension	0.3-1.5 N +0.05N
Traverse Pitch	0.1 to 10 + 0.01 MM
Max. Weight of Pay-off/Take- Up Reel	10 Kg
Change in Attenuation in Fiber	0.01 dB/KM

Line Configuration

Fiber Pay-Off MC -FP-350
Dancer Payoff MC-DA-100
Fiber Cleaning System
Colouring Head MC -COLH-250
UV Curing System MC-UV- 1000-2 nos
Capstan MC 250
Dancer Take-Up MC-DA-100
Take up MC- FTUP-350
Line Engineering MC-C-ES-2500
Machine Accessories
Anti-Static System
Ink Feed System
Ink Mixing System/Bottle Ink Shaker
Ring Marking system
Ultrasonic Cleaner for DIE



HIGH SPEED BUFFERING MODEL MC-SC-600

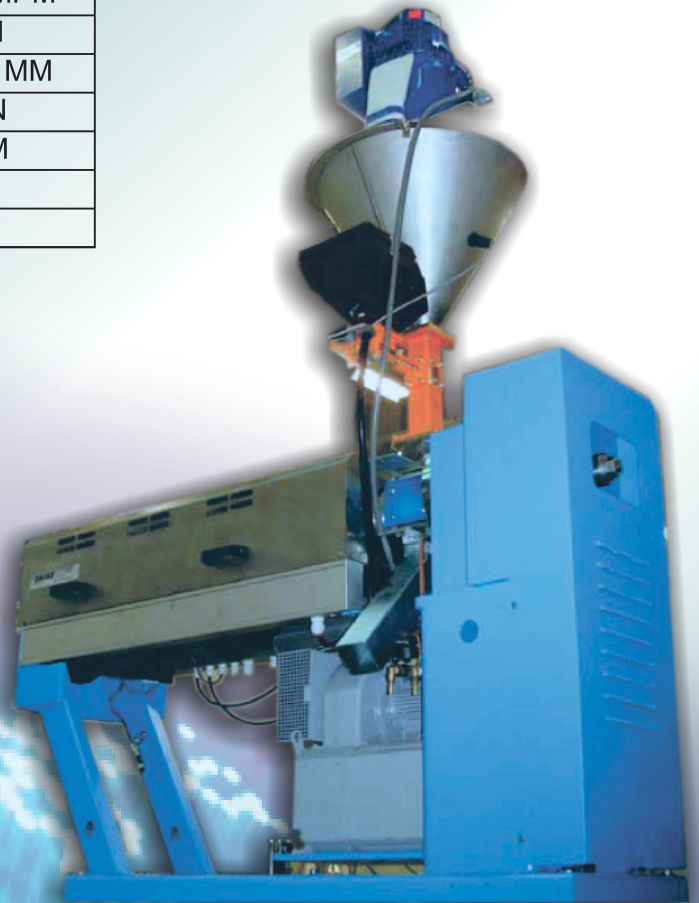
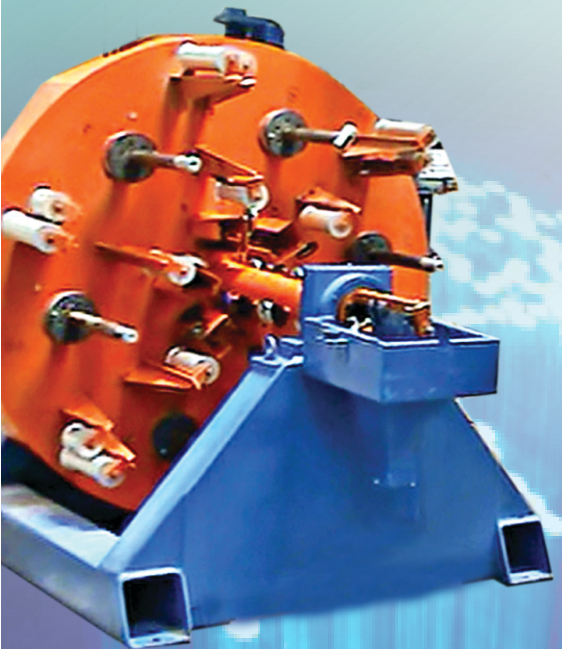


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Technical Specification

Maximum Line Speed	up-to 600 MPM
Tube Diameter Range	up-to 6 MM
Take-Up Reel Diameter	up-to 1000 MM
Maximum Cable-Pull Tension	up to 150 N
Change in Attenuation in Fiber	0.01 dB/KM
Fiber Excess Control	Provided
Ribbon Strander Up to 12 Ribbon	Optional



Line Configuration

· Fibre Pay-off – up to 24 Nos MC 300
· Extruder MC 45
· Cross Head MC SF 10
· Master Batch Dosing System
· Hopper Loader & Dehumidifier
· Jelly Degasser & Metering Feed Unit MCJF100
· Cooling Trough
· Air Dryer / Air Blower
· Entry Capstan MC - CE - 600
· Tube Tension Control Pulley
· Exit Capstan MC-CEX - 600
· Lump and Neck Down Detector
· Diameter Measuring Device
· Dancer 350
· Dual Take-Up 800 / 1000 MC - TU 1000
· Line Engineering MC - ES 600



TIGHT COATING : MC-TC-300

FTTH LINE : MC-FT-150



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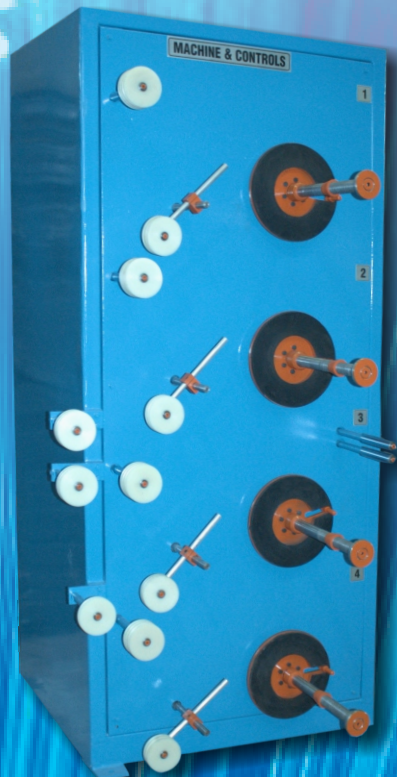
Technical Specification MC TC-300	
Maximum Line Speed	Up-to 300 MPM
Tight Coated Fibre Diameter	900 Micron
Take up Reel Diameter	Up-to 630 MM
Maximum Fibre-Pull Tension	Up-to 10 N
Change in Attenuation in Fiber	0.01 dB/KM

Line Configuration MC TC 300
Fiber Pay-Off MC 300
Dancer Payoff MC-DA-100
Fiber Pre-Heater
Extruder MC-EX30
Hopper Loader & Hot Air Dryer
Cross Head MC-SF-4
Cooling Trough Mobile and Fixed
Air Wiping Systems
Capstan MC-CP 400
Dancer arm type MC-DA-ARM-150
Take up MC- TUP-630
Diameter Gauge Dual axis
Line Engineering MC -TC -ES-300
Optional Machine Accessories
Logitudinal Aramid Yarn Server MC -SER-LO



Technical Specification FTTH	
Maximum Line Speed	Up-to 150 MPM
Maximum Diameter	Up-to 6 MM
Take up Reel Diameter	DIN 630/800
Max. Fibre-Pull Tension	Up-to 50 N
Change in Attenuation in Fiber	0.01 dB/KM

Line Configuration MC FT 150
Fiber Pay-Off MC 300
Dancer Payoff MC-DA-100
Extruder MC-EX45
Hopper Loader & Hot Air Dryer
Cross Head MC-SF-20
Cooling Trough Mobile and Fixed
Air Wiping Systems
Capstan MC-CP 400
Dancer arm type MC-DA-ARM-250
Take up MC- TUP-630/800
Diameter Gauge Dual axis
Line Engineering MC -FT -ES-300
Optional Machine Accessories
Logitudinal Aramid Yarn Server MC -SER-LO
Loose Tube /Steel Wire/ ARP/FRP Pay-Off
Rip Core Applicator
Water Swellable Yarn/Tape Applicator



HIGH SPEED SZ - STRANDING MODEL MC-SZ-150

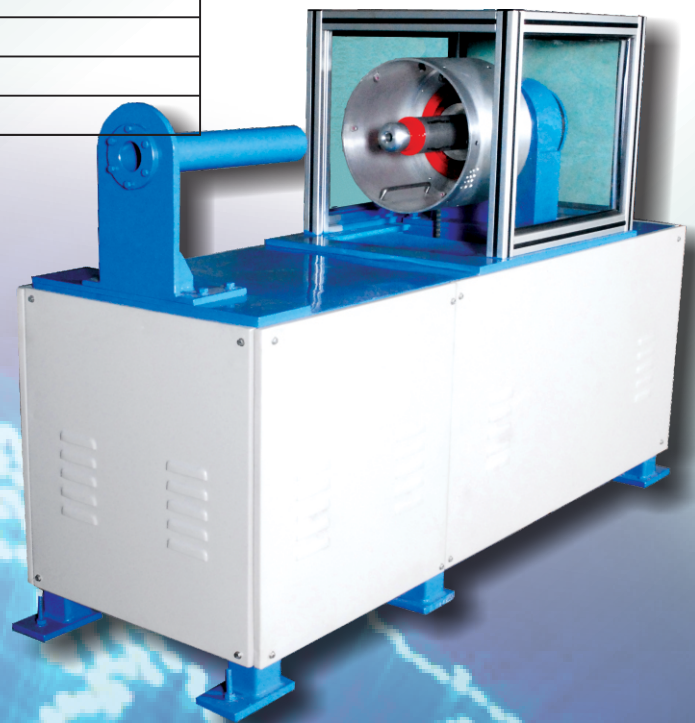


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Technical Specification

Maximum Line Speed	Up-to 150 MPM
Cable Core Diameter Range	6 to 20 MM
Take-Up Reel Diameter	Up-to 2000 MM
Maximum Cable-Pull Tension	Up to 6000 N
Change in Attenuation in Fiber	0.01 dB/KM
Number of Stranding Elements	CSM +8/12/16
Quick Reversal	By using 4/5 AC Servo Motor
Maximum Number of Turns	8
Lay Range	60-600 MM
Maximum Binder RPM	4000
Mamimum core tension	400 N



Line Configuration

Self Traversing FRP Payoff MC - PO-2000
Dancer Payoff MC-D-800
Loose Tube Payoff MC-SZ-1000
SZ Bench MC-SZ-5
Cross Binder MC-CB-4000
Anti-Torsion Unit MC-AT-500
Jelly Applicator MC-JP-B-DP
Polyester Payoff MC-PP-150
Forming Stand
Single Binder MC-SB-4000
Caterpillar MC-CAT-1000-800
Dancer Arm Type MC-D-ARM-250
Take-Up MC-TUP-2000
Line Engineering MC-SZ-ES-150
Aramid/ Glass Yarn Server MC-ARM-18-150

HIGH SPEED SHEATHING LINE MODEL MC-SH-150



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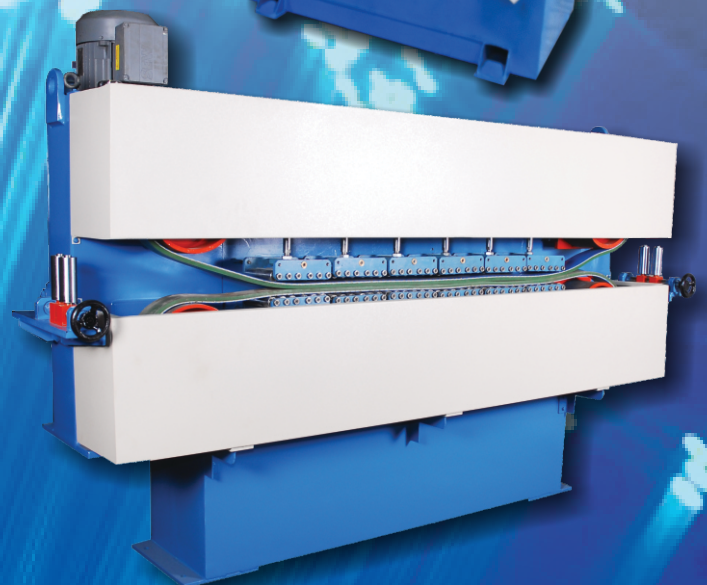
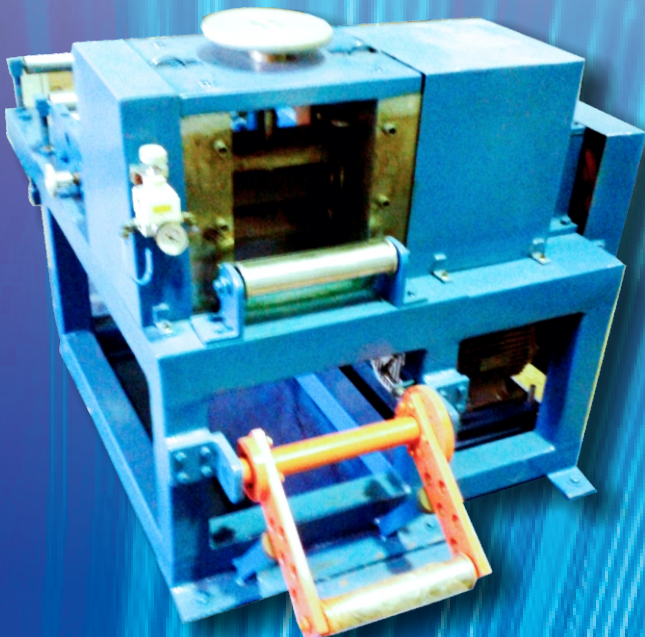
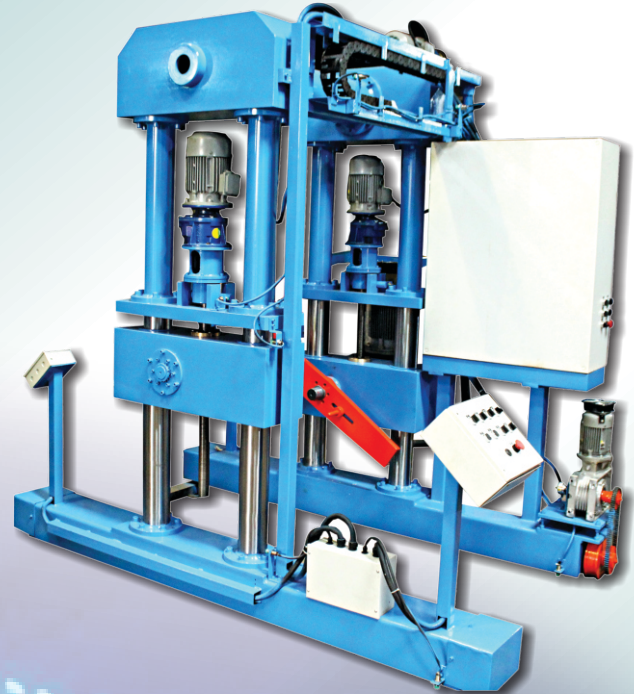
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Technical Specification

Maximum Line Speed	Up-to 150 MPM
Cable Diameter Range	6 to 20 MM
Take up Reel Diameter	Up-to 2000 MM
Max. Cable-Pull Tension	Up-to 6000 N
Change in Attenuation in Fiber	0.01 dB/KM

Line Configuration

Self Traversing Pay-Off MC -PO- 2000
Dancer Payoff MC-DS-800
Extruder MC-EX80/180
Hopper Loader & Hot Air Dryer
Cross Head MC-SF-20
Cooling Trough Mobile and Fixed
Air Wiping Systems
Caterpillar MC-CP 1000/800
Dancer arm type MC-D-ARM-250
Take up MC- TUP-2000
Diameter Gauge Dual axis
Hot Foil Stamping Machine
Line Engineering MC -SH -ES-150
Optional Machine Accessories
Aramid /Glass Yarn Server MC -SER-18/150
Steel Tape Corrugator MC -COR-80



HIGH SPEED REWINDING MODEL MC-REW-1000

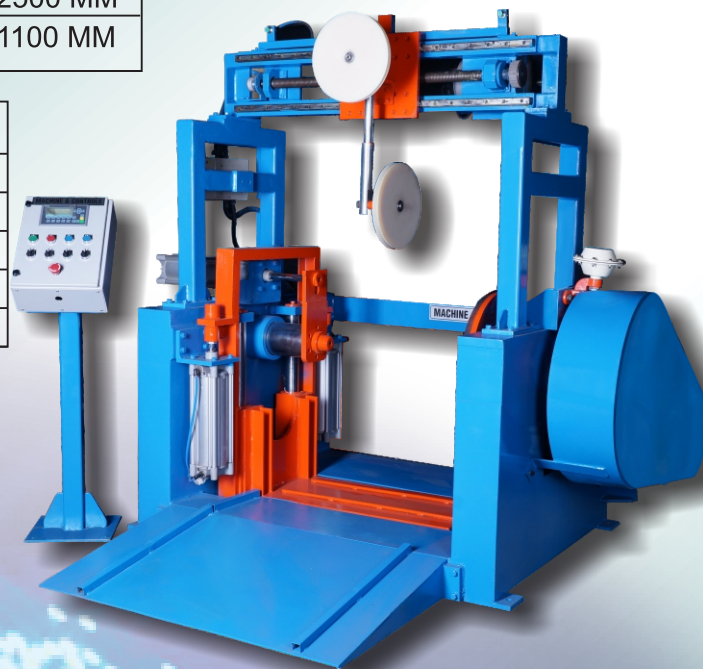


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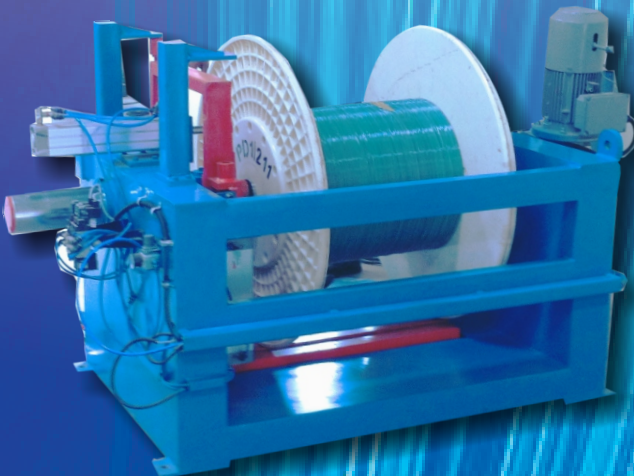
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Rewinding line for	Line Speed	Drum Diameter
Fiber 0.25 MM	Up-to 2500 MPM	Up to 350 MM
Loose Tube Upto 8 MM	Up-to 500 MPM	Up to 1000 MM
Cable From 6 to 30 MM	Up-to 150 MPM	630 to 2500 MM
FRP 0.4 to 6 MM	Up-to 1000 MPM	370 to 1100 MM

Technical Specification	
Maximum Line Speed	Up-to 1000 MPM
Cable /Tube / FRP Diameter	1 to 30 MM
Take up Reel Diameter	Up-to 2000 MM
Maximum Cable-Pull Tension	Up-to 6000 N
Change in Attenuation in Fiber	0.01 dB/KM



Line Configuration
PayOff From 250 to 2500 MM
Dancer Accumulator Type
Caterpillar (If Required)
Dancer Accumulator Type (if Required)
Hot Foil Stamping / Ink Jet Printer
Take up 250 to 2500 MM
Line Engineering



Features
High Line Speed
Auto Fault Detection and auto stop at Fault
Reverse Facility to keep the Winding Tension Constant
Space for Fault Detection Unit /Marking Unit
Machine is designed based on customer Requirements
Machines is designed with caterpillar / Capstan Based on customer requirement OR without Capstan /Caterpillar also
PLC ,HMI and latest Electronic Control Systems

UV Cured FRP Manufacturing Line

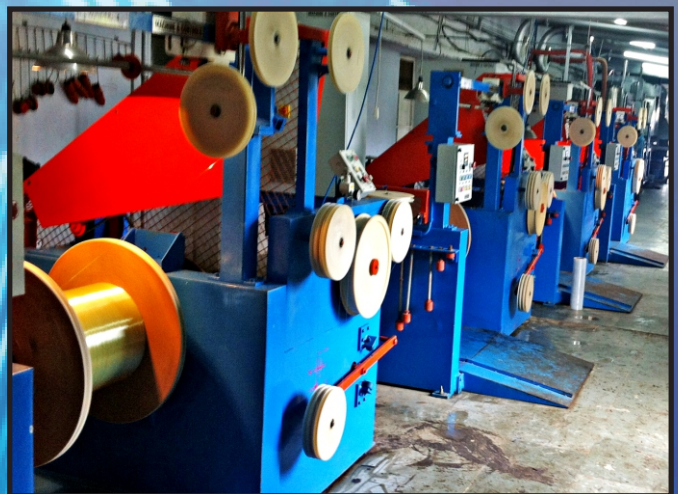
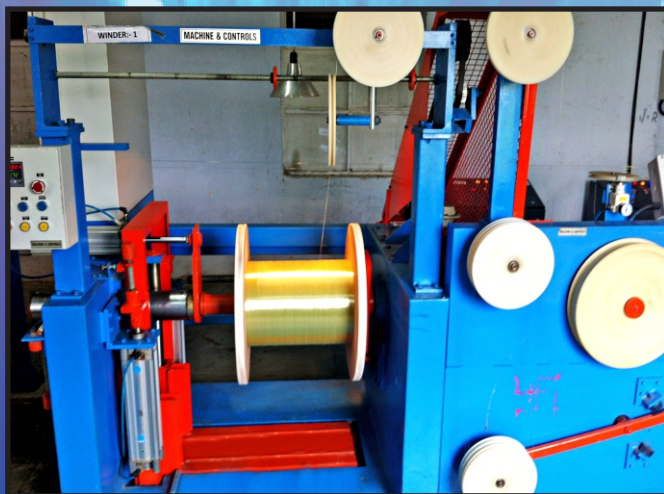
MC - UV - 150

Technical Specification

Maximum Line Speed	Up-to 150 MPM
FRP Diameter Range	0.3 to 6 MM
Take up Reel Diameter	Up-to 1100 MM
Max. Cable-Pull Tension	Up-to 200 N
Number of FRP	Up-to 8 Nos

Line Configuration

Glass Yarn PayOff MC -PO- 40
Resin Dip Tank with Bottom Holding Tank
V-Groove Die Trough
First Applicator
U-V Curing Lamp
Chiller Tray
Air Wiping Systems
Second Applicator
U-V Curing Lamp
Air Cooling Systems
Take Up 1100 Qty 8 Nos
Line Engineering
Machine Accessories
Resin Mixing System
Resin Heating System
Storage System for Mixed Resin



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