

**MACHINE
&
CONTROLS
INDIA**

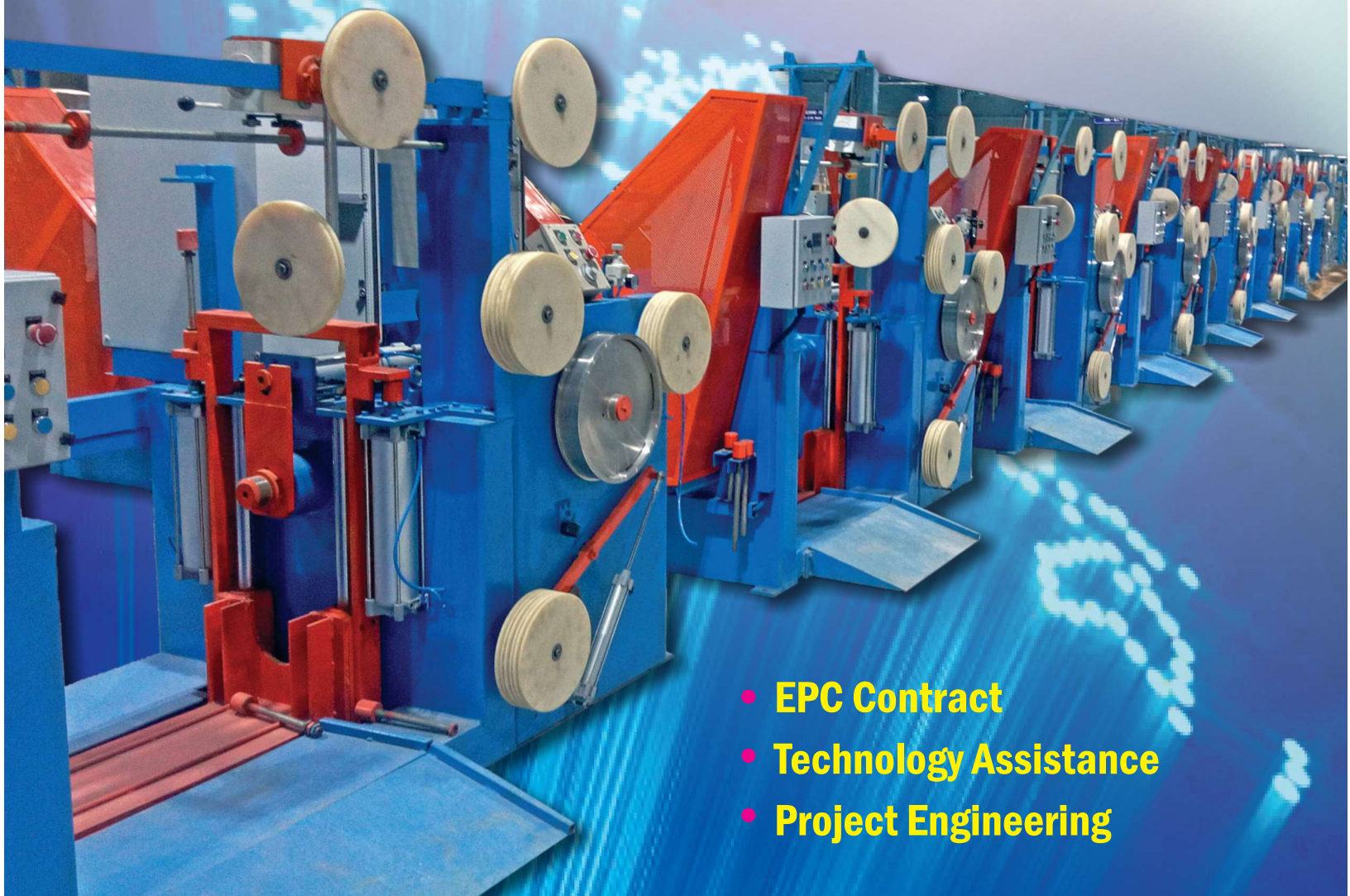
Solutions rather than Machines

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Pioneer in FRP Manufacturing Machines

Leader in Pultrusion Technology for FRP & ARP

- Thermal FRP Line
- UV FRP Line
- FRP Coating / Up-Jacketing
- FRP Rewinding Line



- EPC Contract
- Technology Assistance
- Project Engineering

THERMAL FRP/ARP LINE

Model No. MC-THFRP-10/40

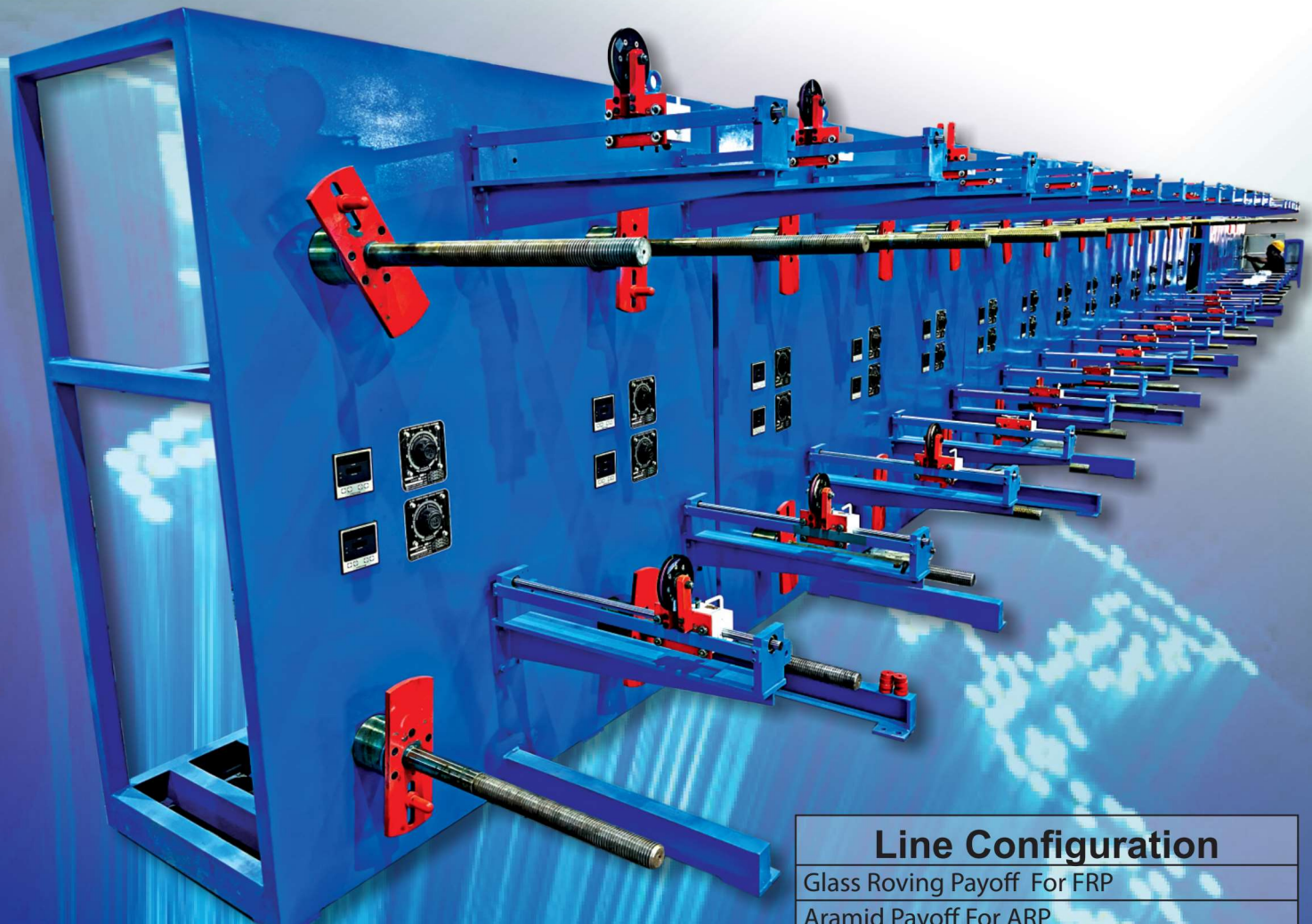


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Technical Specification FRP/ARP Thermal

Line Speed Maximum	02 to 15 MPM
Glass Roving Payoff	Max. 200 Numbers
Aramid Yarn Payoff	Max. 40 Numbers
FRP Diameter Range	0.3 to 5.0 MM
ARP Diameter Range	0.4 to 1.0 MM
Take Up Reel Diameter Range	400 to 1100 MM
Number Of FRP /ARP Line	Up to 40 numbers (Double Decker Type)



Accessories Thermal ARP/FRP

Resin Mixing System
Storage System For Mixed Resin
Glass Tube Copper Rewinding Line
FRP/ARP Rod Grinding & Joining System
Automated Bobbin Loading & Unloading Trolley

Line Configuration

Glass Roving Payoff For FRP
Aramid Payoff For ARP
Barrel Heater
Pre Heater
Die Stand & Holders
Resin Tank With Finger
Pinch Roller
Winders Up To 40 Nos Double Decker
Line Engineering PLC , HMI And SCADA

High Speed UV FRP Line Model No MC-UV-250/14



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Technical Specification For High Speed UV FRP Line	
Line Speed Maximum	250 MPM
Glass Roving Payoff (Creel table)	Max. 150 Numbers
FRP diameter Range	0.3 to 6 MM
Take Up Reel Diameter	630 to 1200 MM
Max Cable Pull Tension	300 Newton
Number of FRP Line per Machine	Up to 14 numbers



Line configuration UV FRP Line
Glass Roving Payoff
Resin Heating System
Resin Dip Tank
Bottom Holding Tank
Groove Die Trough
First Applicator
First UV Lamp Curing System
Water Cooling with Chiller
Air Wiping System
Second Applicator
Second & Third UV Lamp Curing System
Air Cooling System
Take Up 1100 to 1250 MM
Capstan 300 to 400 MM
On line EAA Coating
Line Engineering PLC , HMI and SCADA

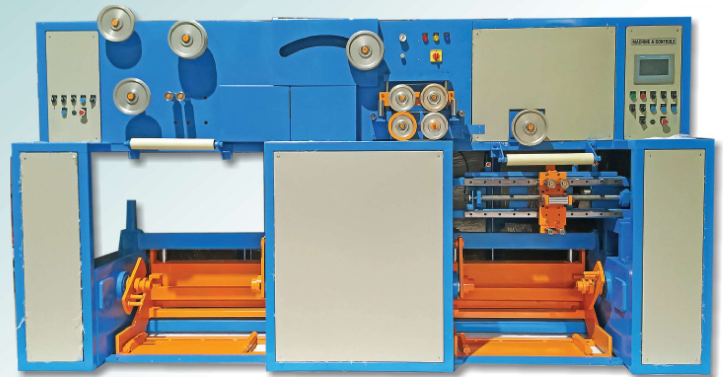


Accessories UV FRP
Resin Mixing System
Resin Heating System
Resin Storage System For Mixed Resin
Splicing Unit

Coating & Up-Jacketing Model No. MC-C & UJ - 1000

High Speed FRP Rewinding Model No. MC-REW-1000

Technical Specification FRP Coating & up-Jacketing	
Line Speed Maximum	Upto 1000 MPM
FRP Diameter Range Coating	0.4 to 10 MM
FRP Diameter Range Up- Jacketing	1 to 10 MM
Take up Reel Diameter	630 to 1200 MM
Cable Pull Tension Maximum	400 Newton



Technical Specification Rewinding Line	
Line Speed Maximum	Upto 1000 MPM
FRP Diameter Range	0.4 to 10 MM
Take Up Reel Diameter	630 to 2000 MM
Max Cable Pull Tension	Up to 400 Newton



Line Configuration Rewinding Line	
Pay off	630 to 2000 MM
Take up	630 to 2000 MM
Dancer	150 to 800 MM
Line Engineering	with PLC, HMI and SCADA system
Optional	
Capstan	630 to 1250 MM or Caterpillar

Line configuration Coating line & Up-Coating	
Pay off	630 to 2000 MM
Take up	630 to 2000 MM
Dancer	150 to 800 MM
Extruder	30 MM to 100 MM
UV lamp System for curing	(Optional)
Cooling trough	mobile & fixed with water tank
Air wiping system	
Capstan	630 to 1250 MM
Line engineering	with PLC , HMI and scada system



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