

NEXT GENERATION OF SMC LINE CUBE



YOUR BENEFITS

- » Designed for high quality and high-performance materials
- » Live analysis and logging of all process data for each single centimeter of material
- » Reduction of footprint by 65 %
- » Roving tension optimized unwinding creel
- » New de-aeration concept
- » Complete housing for heating and extraction of emissions and dust
- » Ergonomic operability
- » Decentralized electronics, no external electrical cabinet



IMPRESSIVE FEATURES

Control

- » Acquisition of over 100 material and process related parameters
- » Easy to operate by touch screen and user interface
- » No separate control cabinet
- » Plug-and-play

Fabric Unwinding

- » Non-motorized unwinder
- » Motorized unwinder – tension free or tension controlled

De-Aeration

- » New concept with heated precision rolls
- » De-aeration is not hindered by film

SMC Packaging

- » Tension controlled
- » Visualization of winding process

Impregnation

- » Two independent impregnation units
- » Impregnation rollers adjustable for SMC or Prepreg
- » Heatable
- » Slide out of impregnation unit for easy cleaning

Roving Storage

- » 119 Bobbins
- » Bearings, for minimum friction while unwinding
- » Ceramic eyelets instead of pipes
- » Mechanical brake in case of machine stop

Film Unwinding

- » Tension controlled

Fiber Cutting

- » Optimized for carbon and glass fibers
- » Sensors to monitor wear and fiber feed
- » Piker roll for fiber opening

Unidirectional Fibers

- » Feeding of up to 266 rovings

Resin Application

- » Doctor blade precision in μm range
- » Individual gap control for left and right side
- » Active matrix height control by spectroscop
- » Heatable
- » No resin leakage in case of machine stop
- » Easy to clean



CONTACT US



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