

# WR KING

TOP QUALITY – SAVINGS - UPGRADE  
COTTONS – DENIM – TECH FABRICS



True innovation in comparison to any other traditional sizing system. Simpler concept and easier control compared to conventional yarn dipping with/without a pre-wetting system. It gives better weaving performance and preserves yarn elasticity, whilst being eco-friendly saving a lot of consumables and waste in terms of water, chemicals, drying energy and water/air contamination.

“Crown Effect” for best yarn sizing with adjustable size penetration, improved fiber cohesion and warp processing. Minimized hairiness and thermal stress. Reduced elongation due to positive driving .

Kiss rolls transfer technology allows precise pickup control  
Uniform impregnation without critical leveling pressure.  
Uniform application at any speed and running conditions

Self-adjusting algorithm for continuous pickup detection with special maintenance-free sensors.  
Size liquor thermoregulation.  
Reduced liquor quantity to avoid bath contamination and any other alteration during long batches.

Infrared oven and/or drying cylinders  
Reduced drying energy needed  
Suction hoods  
Moisture control with self-adjustable profile acting over line speed or drying temperature  
Multi-layers wet and dry yarn web splitting to avoid sticking

Special solution for:  
CONTINUOUS DENIM DYEING  
FILAMENTS  
“Queen” version for beam to beam

Headstock featuring main puller and bi-directional beamer.  
Variable winding tension curve.  
No “size bars” (even without non-stop) thanks to detachable kiss rolls, so no fiber/size contact during stops.



TANGENTIAL SIZING  
SYSTEM

IMBOZZIMATURA  
TANGENZIALE



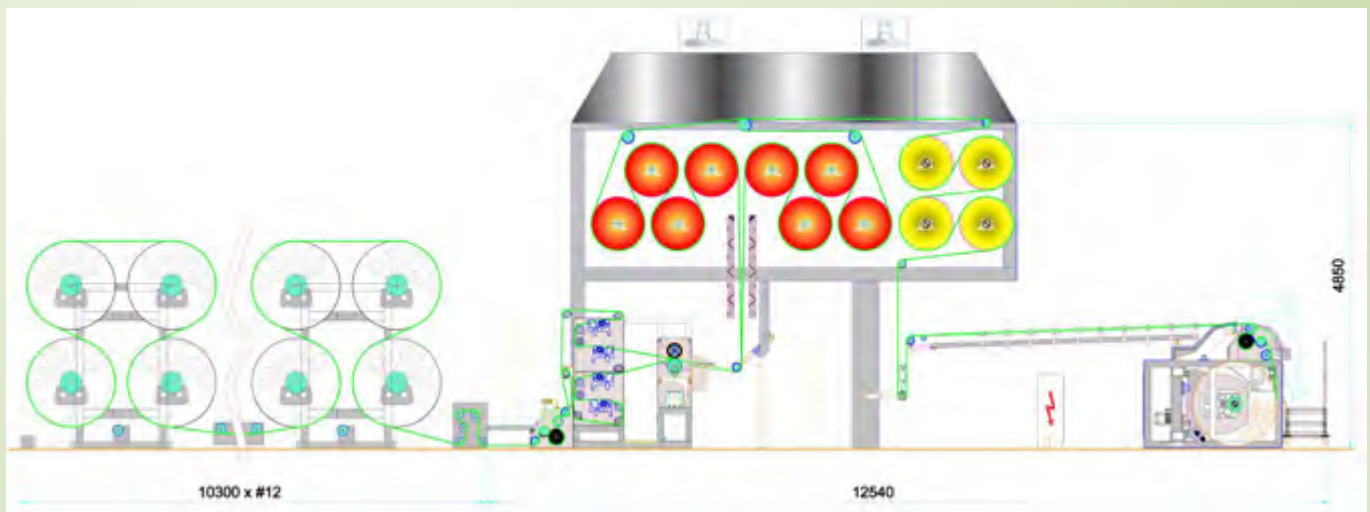
## UNIVERSAL TANGENTIAL SIZING UPGRADE:

main functions and performance are also available as an UPGRADE for any traditional sizing line.

TRIO1: offers the opportunity to innovate and improve existing lines solving a lot of typical conventional sizing limitations.

TRIO2: is an advanced double applicator module offering the performances of two size boxes in the space of only one!

ECO PICKUP: optimized pickup control is available for the measuring (and self adjusting) on any machine.



### TECHNICAL FEATURES for standard versions:

		[s.i.]
Working width	<b>2700- 3200</b>	mm
Mech. working speed	<b>60 to 100</b>	m/min
Max tension applied	<b>5000</b>	KN
Max beam disc diam	<b>1050-1270</b>	mm
Min beam shaft diam	<b>150</b>	mm
Max beam shaft length	<b>2900-3400</b>	mm
Installed power	<b>105</b>	KW
Max installed power	<b>85</b>	KW
Machine width	<b>4200</b>	mm
Approx weight	<b>14</b>	Ton

Customized version upon request

Space saving design  
 Fully integrated operations control  
 E-mail based data and graphic reporting  
 Built-in web server/S-Bus network for local HMI and remote supervision  
 AC drives synchronize all process phases



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