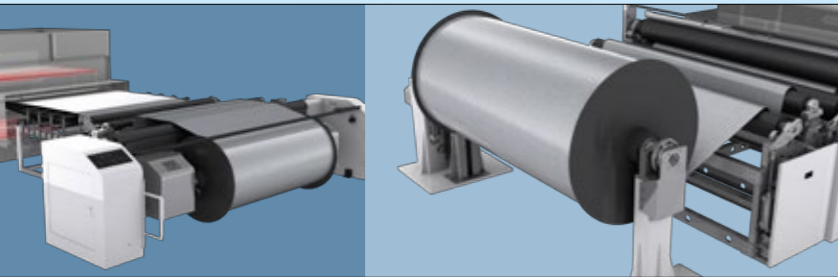
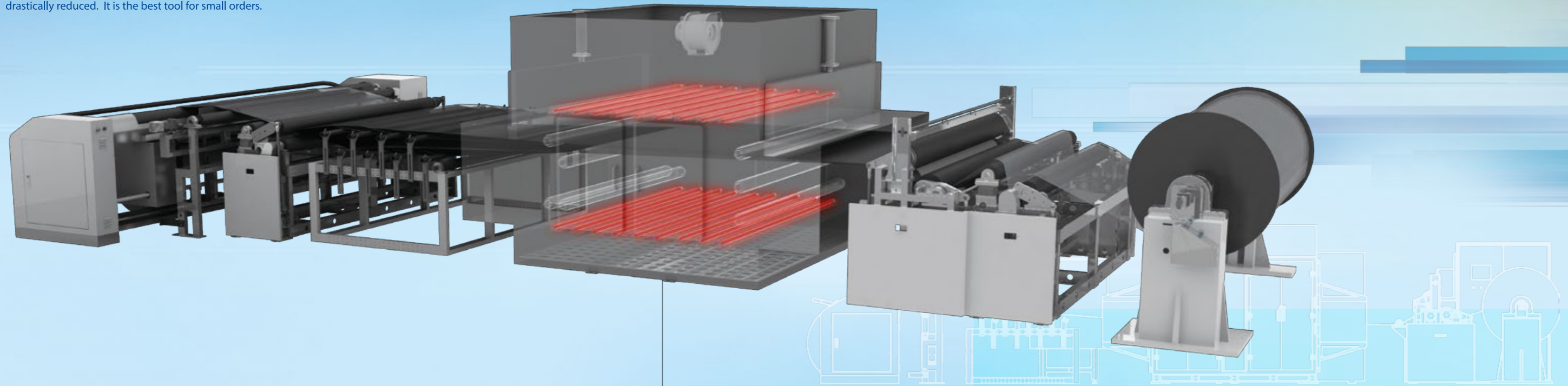
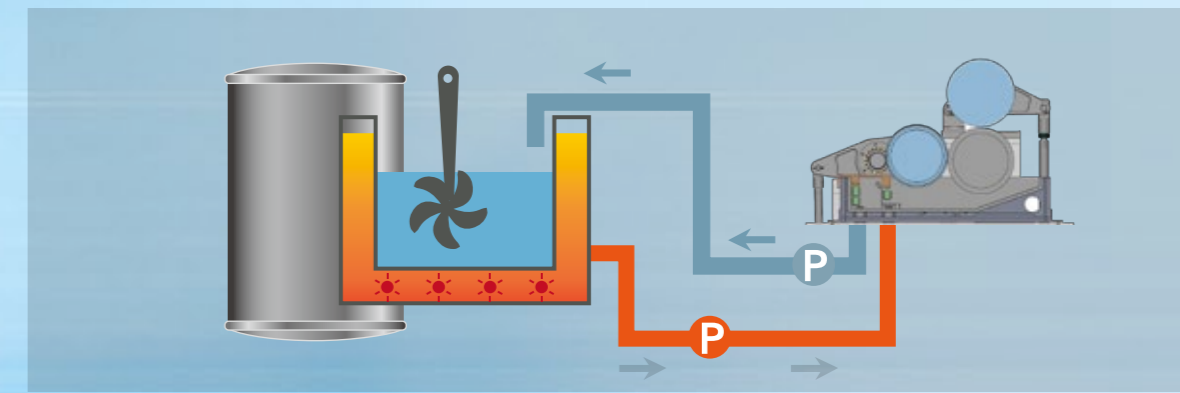


Firewall

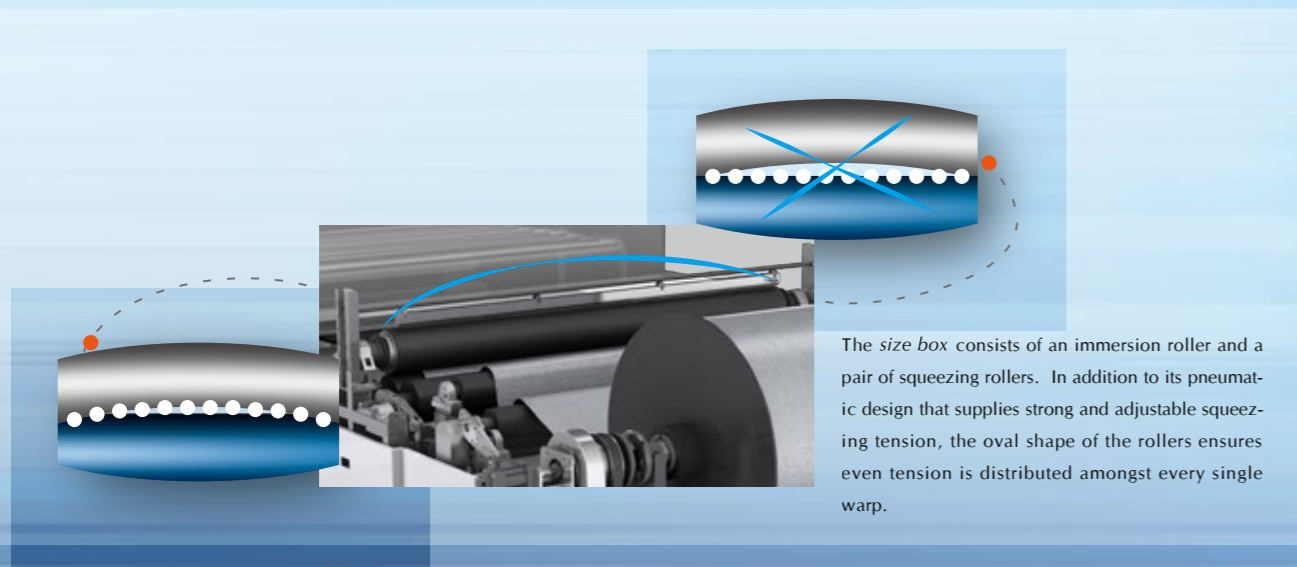
FIREWALL is a "Beam to Beam" sizing machine, which gives high flexibility and is ideal for high quality products. It utilizes unique *Infra-red heating element* for drying which requires no contact with the yarn. The whole sizing process becomes relatively simpler and is ideal for spun yarn. FIREWALL occupies less than half of the space of a conventional sizing machine and waste is drastically reduced. It is the best tool for small orders.



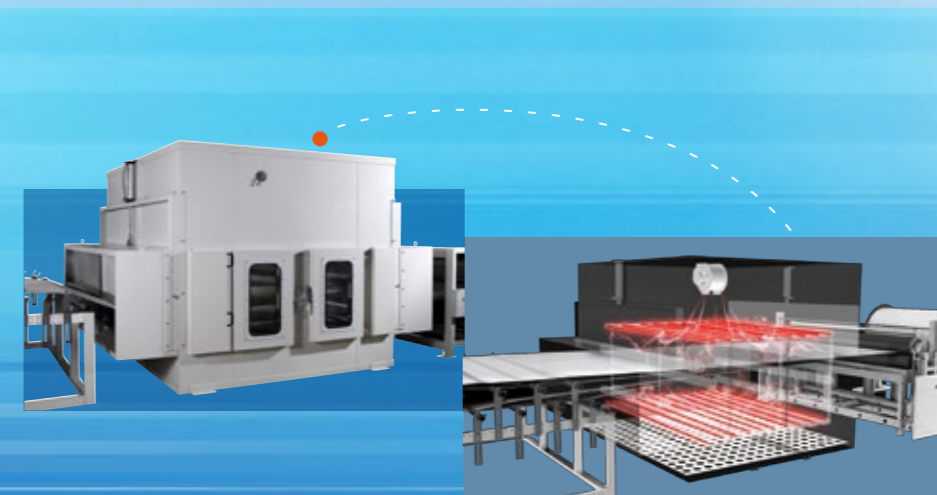
The processing of the beam starts from a pneumatic tension controlled *warping creel*. The computerized motors control precisely the warp tensions to give the proper draft ratio. It ends up in the *beaming unit*, which moves electrically up and down with traverse movements.



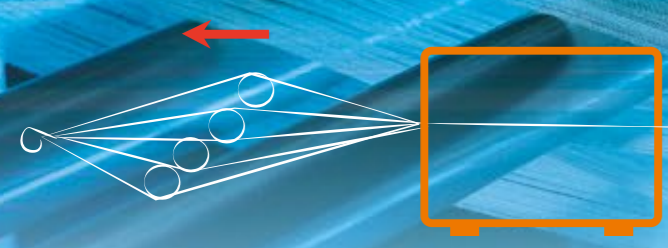
The electrical *size cooker*, either direct or indirect heated, is featured with safe and simple operation. Different size circulating paths could automatically be achieved through computerized controlled valve and pump.



The *size box* consists of an immersion roller and a pair of squeezing rollers. In addition to its pneumatic design that supplies strong and adjustable squeezing tension, the oval shape of the rollers ensures even tension is distributed amongst every single warp.



Infra-red in form of *radiation* with the help of hot *air convection* dries the yarns without any contact with them. It is more convenient in operation when compared with the conventional method.



The splitting assembly separates the sized and dried warp yarn into layers for higher production efficiency and better fabric quality.



The automatic beaming unit is via electrical control for efficient weaving preparation. Moreover, with adapter, it can handle a variety of loom's beam.



The user interface under the *Windows Embedded OS* allows the setting of different variables for controlling the machine; it also records all production data. It can also connect the system to Internet to carry out maintenance remotely.



TECHNICAL INFORMATION

Working Width	2200 mm maximum
Flange Diameter of Beam	1000 mm maximum
Warp Let-Off	Pneumatic Tension Controlled
Sizing Speed	2-15 m/min
Size Cooker	Direct or In-direct Electrical Heated / 40-100°C(Optional)
Size Box	3 Rollers for Squeezing and Immersion
Size Circulation	Computerized Circulating System
Drying Cabinet	Infra-red Heating Elements - 18 Units Even Air Circulation / Distribution System
Energy Consumption for Drying	19.8 kW
Drying Temperature	40-100°C
Waxing Unit	Electrical Heater, Speed Adjustable Motor
Beaming Unit	Electrically Controlled Beam Lifting and Traversing
Controller	PC Based Controller / Windows Embedded OS
Compressed Air	5-9 kg/sq-cm
Power	220 V, 50-60 Hz, 3-phases

