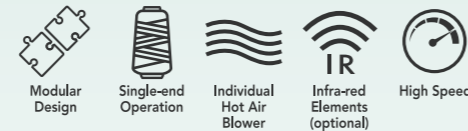


Taroko

Multi-spindle Sizing Machine



Technical Information

Model	Taroko
Modular Design	4 or 2 spindles / module (4 modules maximum)
Sizing Speed	550 m/min maximum
Drying Chamber	Individual hot-air drying blowers Infra-red drying elements (optional)
Drying Temperature	100°C maximum
Yarn Transferring Belt	Polyester with silicone impregnation, up to 160°C
Size Box	Pressure plate - 1 pair, adjustable squeeze roller - 1 pair
Size Circulation	Automatic circulating system (optional) works with size cooker
Size Cooker	Direct or in-direct electrical heated / 40-100°C (optional)
Control Panel	5.6" colour touch screen for each spindle Individual speed display & setting Individual drying temperature display & setting Individual length display & setting
Central Station	Industrial PC / Windows OS Solid-State Drive (SSD) / Internet access via WiFi/Ethernet Control up to 4 modules (16 spindles) Remote control and monitoring for each & all spindles 15" color touch screen
Bobbin Winder	Choice between traditional and electronic winding system Diameter of bobbin: 165 mm maximum
Power	220 V, 3-phases, 50-60 Hz
Energy Consumption	23 KW (w/o optional item) (4 spindles) 12.5 KW (w/o optional item) (2 spindles)



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Designed with Bobbin to Bobbin Sizing concept, Taroko is capable of giving intelligent control throughout the whole sizing process. The machine comes with the unique Modular Design which can further increase the flexibility in use. There are 4 spindles per module adding up to maximum 16 spindles while the option of 2 spindles is also available. Taroko is especially suitable for small batch production, and still can operate at high speed without compromise in terms of efficiency.

For effective yarn drying, each spindle is equipped with a Hot Air Blower so the Drying Chamber can be kept at a uniform temperature. Optional Infra-red Heating Elements are available for increasing drying efficiency. Besides, the machine's speed and temperature can be set and monitored individually for each spindle through a colour touch-screen panel to ensure precise control in each unit. The Central Station allows operator to monitor not only the production status of each spindle, but can also carry out group settings, analyzing and so on.

Taroko is an ideal tool for handling fine and delicate yarns. It features flexible options to fully comply with all your weaving preparation demand for sample or small quantity order.

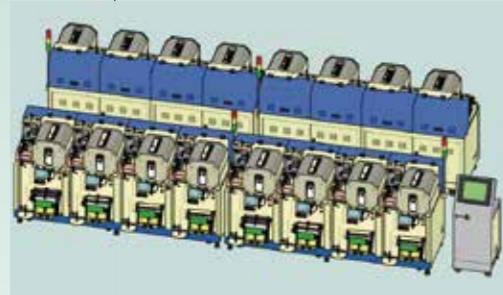


4 spindles per module



2 spindles per module

FEATURES



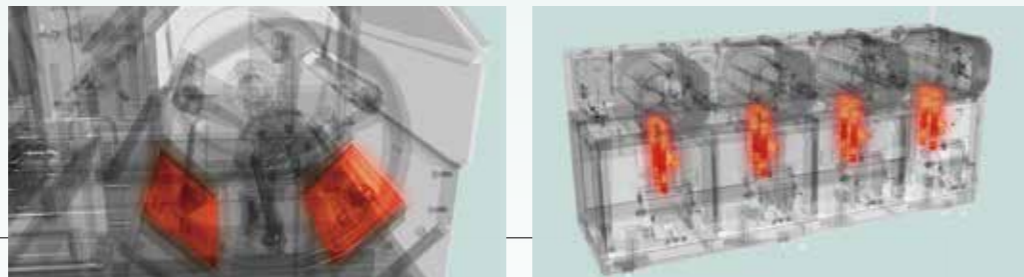
Modular Design

The machine comes with the unique Modular Design which can further increase the flexibility in use. There are 4 spindles per module adding up to maximum 16 spindles while the option of 2 spindles is also available.



Drying Chamber

The yarns are brought into the Drying Chamber by a group of high temperature resistant belts. They are then spread and advanced evenly in the chamber up to maximum of 200 meters. The chamber is equipped with a safety lock and is 3-side open, which provides convenience in either operating or cleaning of the machine.



Hot Air and Infra-red for Drying

The hot air for drying in each chamber comes from an individual Hot-air Drying Blower for that particular spindle. Setting can be done individually for each spindle, which ensures the actual temperature in each chamber is in line with the setting. Optional Infra-red Heating Elements are available for increasing drying efficiency and to work in combination with the hot air if it is necessary.



Size Cooker and Size Box

The size is circulated between the Size Cooker and the Size Box by electrical pump; each individual size box could be kept closed and open as desired. The built-in pressure plates and squeeze rollers could both be adjusted to control the size pick-up rate. The heating method can either be direct or indirect for the electrical size cooker.



Touch-screen Panel

Each spindle is equipped with an individual colour touch-screen panel, which allows setting and display of individual temperature and speed. It also displays the length and moisture level. The panel is very convenient and is easy to operate.



Central Station

The Central Station is also equipped with a colour touch-screen. It monitors not only the production status of each spindle, but could also carry out group settings. All work could be done at one place - Central Station. Other common functions include the analysing and filing of production and quality information. The system could also be upgraded and maintained through remote control over the Internet.

