

SIZING MACHINE

浆纱机

Overview of Sizing Machine

浆纱机概述

XRJS型浆纱机适用于棉纱、涤纱、化纤混纺纱的上浆，我司结合我国棉纺厂的实际情况和浆纱工序，先后开发了多种机电一体化和机电仪一体化的多单元浆纱机。我司浆纱机有两单元，五单元，七单元及九单元多种选择。传动方面有德国西门子伺服电器控制和日本变频器控制可供选择。机器可根据客户实际情况进行设计，尽可能满足客户要求。

XRJS series sizing machines are appropriate for sizing of cotton yarn, polyester-cotton yarn, blending fiber. Our company combine actual situation of sizing process in China, successively developed electromechanical multi-unit sizing machine. We have two-unit, five-unit, seven-unit and nine-unit sizing machine. Driving control can be either Siemens servo control or Japanese inverter control. Our machine can be designed based on customer's actual situation and to satisfy customer's requirements.

Main Technical Parameters

主要技术参数

定义幅宽 Defined Width	3000mm-	工作幅宽 Working Width	1800mm-
织轴卷绕直径 Winding Diameter	1000 / 1100mm	浆槽温度 Box Temperature	0~100 (℃)
机器速度 Machine Speed	0.5~120 (m / min)		

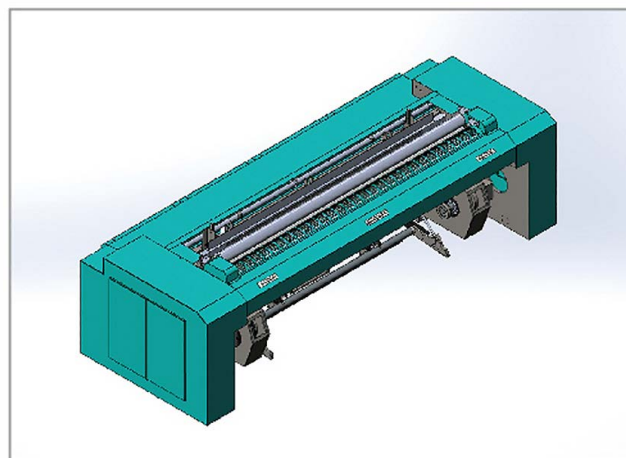
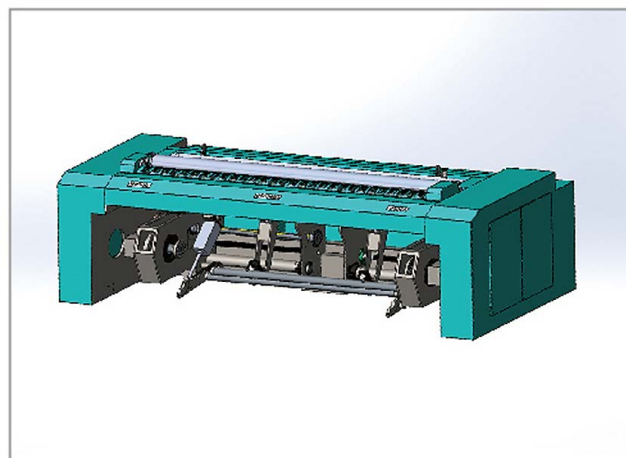


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Headstock

车头



大卷装调幅车头，织轴变频电机卷绕伺服控制。

Large package headstock with adjustable width, inverter motor winding with servo control.

织轴可正反卷绕，适应AB双织轴宽幅无梭织机的要求。

Beam can do positive and negative winding, applicable to the requirements of double beam broad width looms.

织轴卷绕张力无极设定，最大卷绕张力60KN。

The winding tension of beam is stepless set, and maximum tension is 60KN.

可适应各种织机，各品种的卷绕，卷绕直径可在电脑显示。

It is applicable to various kinds of looms, and winding diameter can be displayed on the touch screen.

计算机控制整机工艺参数，操作简单。

The processing parameters are controlled by computer with simple operation.

落轴速度0.5米 / 分钟，换轴不停车，连续上浆无浆斑。

The doffing speed is 0.5m / min, nonstop beam changing, and continuously sizing without hard size.

上落轴，织轴加压，测长辊，张力辊，伸缩筘等动作采用气动控制。

Lifting and doffing of beam, beam pressing, measuring roller, tension roller, expansion reed and other actions are adopted pneumatic control.

Drying Room

烘房

烘房采用 $\phi 800\text{mm}$ 不锈钢烘筒，分组传动，预烘烘筒表面喷涂特氟龙。

Adopting $\phi 800\text{mm}$ stainless steel drying cylinders, driving by separate groups, and the pre-drying cylinders are coated with Teflon.

纱线可分两层进入烘房，也可不分层进入预烘。

Wet yarn can be delivered in to drying room by two layers, or only one layer.

设有温度自控系统，满足纱线烘干要求。

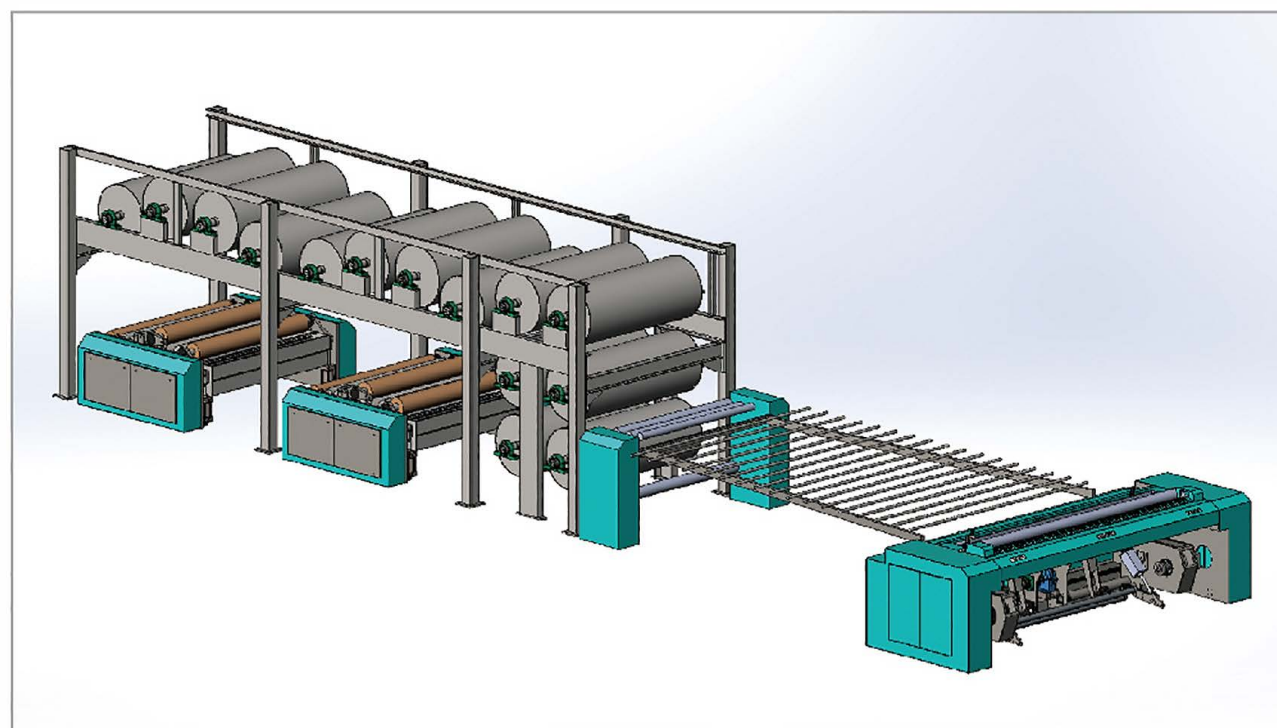
Equipped with temperature auto control to achieve the drying requirements.

伺服或变频电机独立传动，张力和伸长率自动控制。

Independently driven by servo or inverter motor, tension and elongation auto control.

采用不锈钢汽罩，轴流风机抽湿。

Adopting stainless steel hood with axial flow fan to dehumidify.

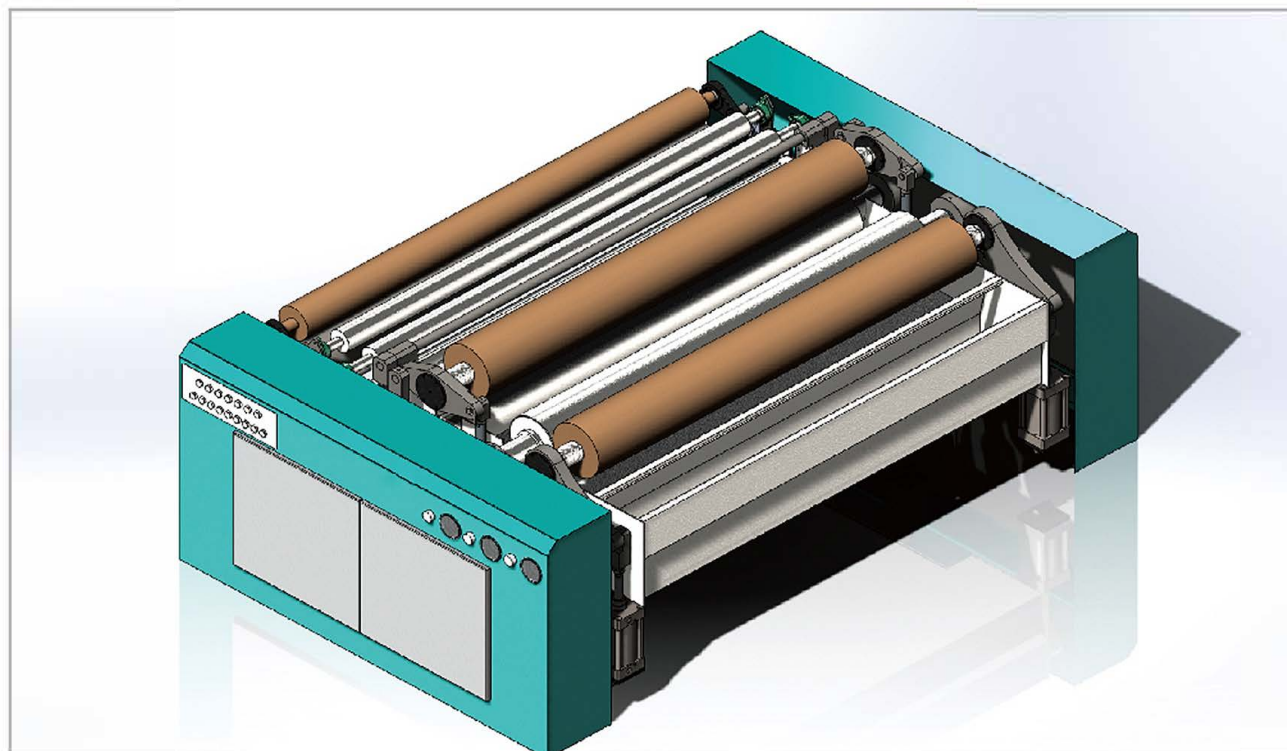


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Size Box

浆槽



墙板为钢板，外壳为不锈钢。
Box wall is made of steel plate and the shell is stainless steel made.

多种上浆方式，双浸双压，单浸双压等。
Adopts multiple sizing method, double-dip-double-nip, single-dip-double-nip and so on.

采用气动加压，最大压力40KN。
Adopting pneumatic pressing, the maximum pressure is 40KN.

主浆槽与辅浆槽为一体。
Main size box and side size box are integrated.

浆液逆流循环，浆液粘度，温度稳定。
The size is circulation counter current, size viscosity and temperature are stable.

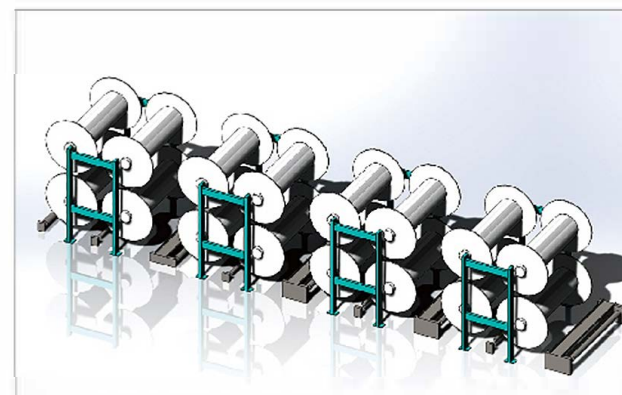
Beam Creel

经轴架

用户可选择不同形式的经轴架。
The users can select different types of creel.

双层轴架，四只经轴为一组。
Creel is double layer, each group has 4 beam position.

采用气动控制退绕张力，达到恒张力退绕。
Adopting pneumatic control of unwinding tension to achieve constant tension.



Electrical Apparatus Control System 电器系统

采用伺服电机或者变频电机分单元传动。
The machine adopts servo motor or inverter motor to drive in different unit.

通过可编程控制器与计算机和电机结合，达到高精度的控制。
Combine computer and motors by PLC to achieve high precision control.

采用计算机设定各区的张力，伸长率，压浆力等工艺参数。
Adopting computer to set tension, elongation, squeezing pressure and other parameters.

纱线回潮率自动控制并显示。
Yarn moisture regain is auto controlled and displayed on the screen.

浆槽温度，烘房温度自动控制。
Box temperature and drying temperature are auto controlled.