



POWERDRY

High Temperature
Power Dryer

高温烘干机

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新一代的烘干机POWERDRY主要备有高效的换热器，冷却器，气水分离器及风机，配合紧密的系统喉路及先进的控制功能，能有效烘干筒子纱，进一步降低能耗，提升生产效率。

The new generation of the high temperature power dryer POWERDRY is configured with high efficient heat exchanger, cooler, separator and blower. Together with the compact piping system and the advanced controller, an effective and satisfactory drying results of the yarn package can be observed. The energy consumption and the required processing time can be further reduced, which improves the production efficiency.

1 烘干时间极短

没有停滞时间的双向空气循环，缩短烘干过程所需的时间。

2 烘干均匀并无损纱线

连续不断的双向循环增加空气运转循环次数，因而增进纱线内烘干均匀度。

1 Short Processing Time

No dead time during the reversal of air circulation direction. It shortens the required processing time.

2 Even Drying and Minimum Damage to Delicate Yarn

Twin direction circulation without dead time increases number of circulation and improves drying quality throughout the dried material.

标准结构 STANDARD STRUCTURE

1 具有正压榨水功能供选配，能有效快速地将纱线间的多余水份挤出，缩短后整理时间。

Additional Pressurized Dehydration Function for option, which can effectively squeeze the remaining water in the yarn package and then shorten the processing time.

2 流向换向阀，可手动或自动转换风流向。

Flow reversal valves can be operated both manually or automatically in order to regulate air flow path either outside in or inside out.

3 热交换器配有温度控制器、控制阀门和疏水器。

The heating system is equipped with temperature controller, control valves and steam trap.

4 316Ti/ 316L/1.4571/1.4404的不锈钢缸体、缸盖、主要充压和加热/冷却系统。

Kier, kier cover, main pressurized system and heating/cooling system are made of 316Ti/ 316L/ 1.4571/ 1.4404 stainless steel.

5 强力离心式鼓风机可在干燥过程将热风穿透筒子纱，可有效和快速地将筒子纱吹干。

The radial blower ensures hot air penetrates the packages and circulates in a closed circuit to influence rapid drying.



6 冷却器配有温度控制器和控制阀门。

The cooling system is equipped with temperature controller and control valves.



7 水气分离器连同疏水及充压装置

The separator is equipped with draining and pressurizing device.



8 缸盖采用平衡锤开盖方式，操作方便，安全可靠。

The kier cover is accurately counterbalanced for easy and safe operation.



操作系统 CONTROL SYSTEM

FC68 程序控制器 FC68 Program Controller

恒天立信最新自主研发的FC68程序控制器，用户可以透过控制器的界面例如：功能流程图、I/O模块通讯页面等，灵活调节行机模式、实时监控机内染色工艺参数以及水洗情况、并可浏览详细的运行及能效数据报告等，能更有效就处染工艺作出全方位的分析以及针对性的调整。

FC68 is the latest version of program controller from CHTC Fong's and it provides various control panel interfaces such as machine's flow diagram, I/O module online signal and etc. Users can regulate the operational combinations, monitor the real-time functional parameters, and also access reports about details on the machine operation and overall consumption. Thus FC68 enables a more comprehensive review on the utilizing dyeing technique.



产品规格 PRODUCT SPECIFICATION

适合种类 Suitable Type	型号 Model	设计压力 Design Pressure (bar)	设计温度 Design Temperature (°C)	总载量 Total Loading (kg)
筒子纱 Package	POWERDRY-85	5.2	140	110 ~ 300
	POWERDRY-90			110 ~ 300
	POWERDRY-105			220 ~ 350
	POWERDRY-120			360 ~ 600
	POWERDRY-145			410 ~ 800
	POWERDRY-166			610 ~ 1000
	POWERDRY-186			810 ~ 1600
	POWERDRY-205			1010 ~ 1600
	POWERDRY-226			1210 ~ 2500
	POWERDRY-256			1610 ~ 2500



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The test results or achievable efficiency could have variance due to difference in dyeing techniques, materials, water quality and operation methods.
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