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江阴市华方新技术科研有限公司

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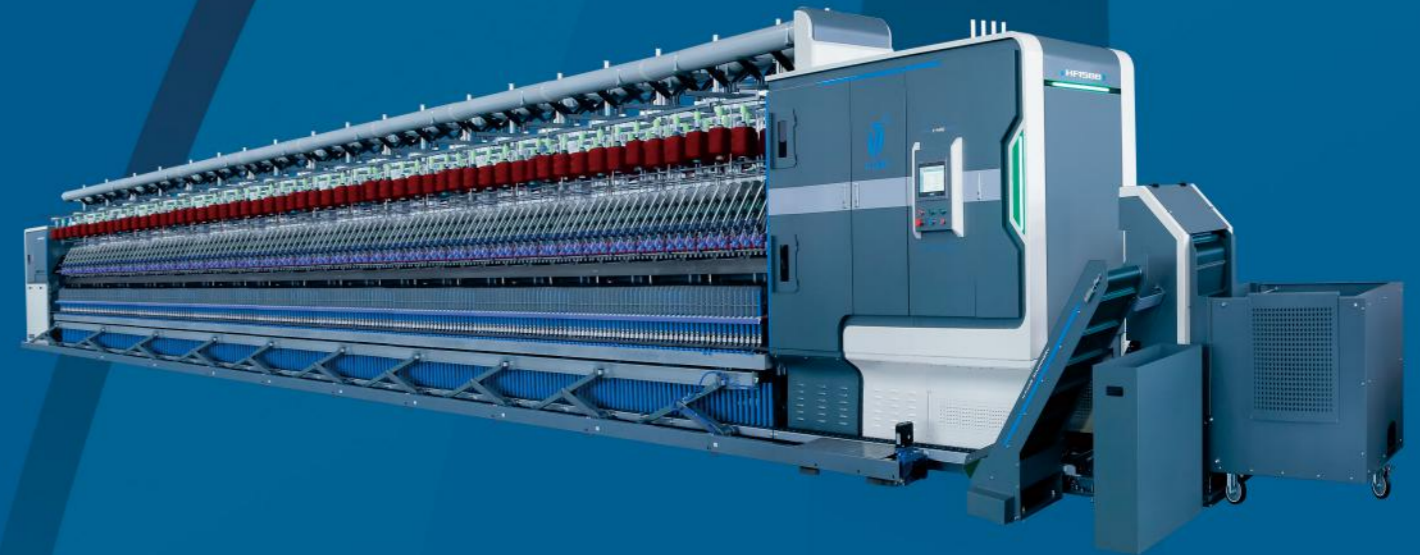
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www.h-fang.com

HF1588毛纺电锭设备

HF1588 worsted spinning electronic spindle equipment

企业介绍

江阴市华方新技术科研有限公司创建于1991年，位于江阴长寿工业园区，是纺织机械工业重点骨干企业，江苏省高新技术企业；承担国家火炬计划和国家重点新产品开发，已通过ISO9001:2015质量管理体系认证，全面推行信息化管理。

华方科技本着“为客户创造价值，给同行树立榜样，建华夏百年企业，创中国世界品牌”的经营理念，精益求精，不懈追求。

华方科技充分利用在纺织机械领域中已取得的技术成果，结合国内外新型纺纱技术，研制开发了细纱机紧密纺改造装置、智能化落纱系统、纱线纸管自动打标机、阿克明斯特地毯织机及新型球经、分经机等系列产品，为推动纺织工业的进步发展做出贡献。

Profile

Established in 1991 and located in Jiangyin Changshou Industrial Park, Jiangyin Huafang New Technology & Scientific Research Co., Ltd. (hereinafter called "H-FANG") is one of leading textile machinery enterprises in China and High-tech enterprise in Jiangsu Province. ISO9001-2015 System certified and fully under informatization management, H-FANG undertakes National Torch Plan and national important new products development.

With the running ideas of Create value for customers, Set examples for competitors, Build a century business in China, Set world brand in China, H-FANG keeps improving and developing.

H-fang made full use of existing achievements in textile machinery field and the latest technologies available in the world, developed various advanced products for textile industry such as Compact conversion kit for ring spinning machines, Auto-doffing conversion for ring spinning machine, Paper cone printing and labelling machine, Axminster carpet loom and Ball warper and Long chain re-beamer. H-fang made contributions to the progress of the textile industry.

产品概述

毛纺电锭设备是华方科技自行研发设计的集电锭装置、电子牵伸装置、电子升降装置、单锭断头检测与粗纱自停装置、集体落纱装置、远程监控系统、紧密纺装置等部件构成的自动化纺纱平台。客户根据自身需求可选择单一模块或组合模块对现有设备进行升级改造或为数字化工厂建设提供服务。



Product description

worsted spinning electronic spindle equipment is manufactured by H-FANG, self design and developed, including electronic drive device, electronic drafting device, electronic lifting device, each spindle breakage test, roving stop motion device, doffing device, remote monitoring system and compact spinning device. customer can select as per own demand that single module or combination module update, establish digital factory for provide best service.



结构特点 Structure features

电锭

- 简化细纱机结构，消除紊乱气流，并有效降低了噪音。
- 电锭通过集成PCB驱动板单锭控制，断纱或不良锭子停止运转，大大降低能耗。

Electric spindle

- Simplify the structure of spinning frame, eliminate the turbulence of airflow and effectively reduce the noise.
- The spindle is individually controlled by using integrated PCB card board. This enable a spindle to stop separately upon yarn breaking or being found in poor shape to reduce energy consumption significantly.

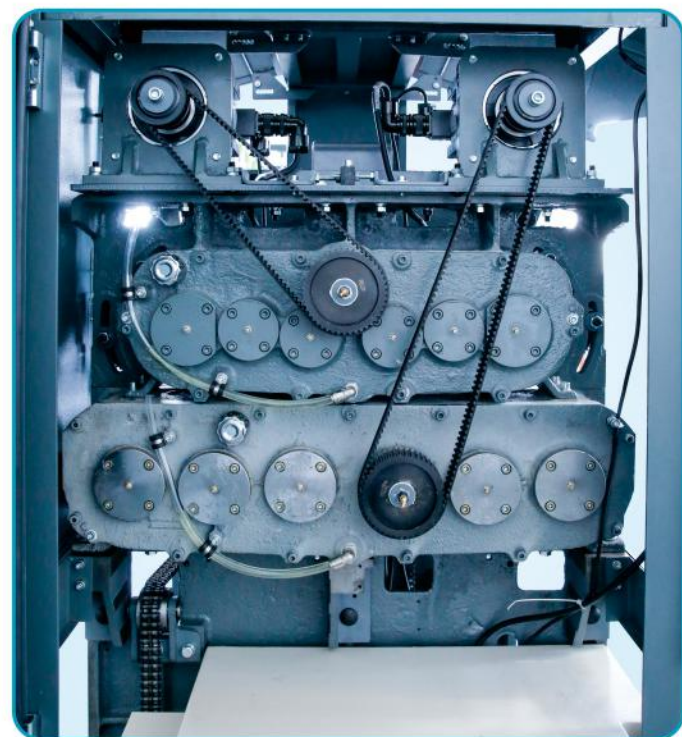
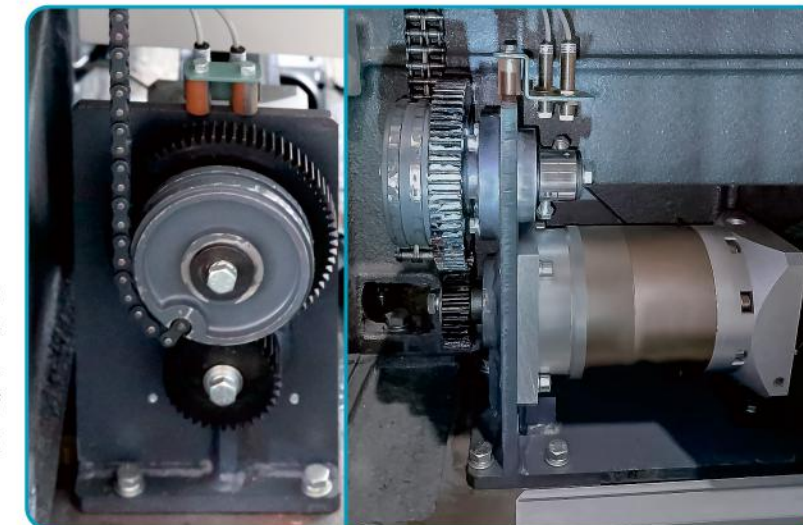


电子升降

- 细纱机电子升降改造，提高管纱成形质量，简化升降结构，提高落纱留头率。升降工艺变换数字化操作，简单方便。

Electric lifting system

- This is a modification of lifting system in ring spinning frame to simplify structure and increasing the yarn reserving rate. After modification, lifting process is of digital operation, simple and convenient for operation.



电子牵伸

- 前、中、后罗拉分别由不同油浴式齿轮减速箱和单独的伺服电机控制，改纺时牵伸工艺（包括后区牵伸）通过触摸屏或远程输入数据即可，操作简单方便，为后续数字化工厂改造奠定基础。

E-Draft

- The front, middle and back roller are controlled by different oil bath type gear reducer and independent servo motor. To change drafting process, input parameters into HMI or remote data setting for easy and convenient operation. It lays a foundation for the subsequent transformation of digital controlled plant.

- 自动监测纺纱断头，定位断头位置并报警，提高巡台效率，减少用工量。
- 粗纱打断装置，细纱断头后，延时自动切断粗纱。预防返花、缠绕罗拉、胶辊等问题，消除粗纱继续喂入产生的浪费。
- 网络数据连接，机台和锭位效率统计及快速问题定位处理。全方位数据分析指导生产管理，提高生产效率和管理精细化水平，为纺织行业实现闭环式大数据管理提供了基础保障。
- 提高纺纱过程的自动化程度，为工厂质量追溯提供数据支撑。

- Automatically monitor the broken end of spinning, locate the broken end and alarm, it improves the efficiency of worker checking and reduce the labor number.
- Roving break device delays the roving cutting automatically one there is yarn breakage to prevent fluff returning, roller and/or rubber cots over-lapping so as to avoid roving waste.
- Internet data connection, for efficiency statistics and quick problem location processing. It's a comprehensive data analysis guides production management, improves production efficiency and management refinement, and provides a basic guarantee for the realization of closed loop data management in textile industry.
- Increase spinning automation, provide data support for factory management.

自动落纱系统

- 本系统采用垂直钢带托盘结构，实现细纱纺纱满纱后自动拔管、自动插管、自动输送，取代人工落纱。降低工人劳动强度、提高落纱效率和生产效率，提升纺纱利润率。
- 技术参数：
 - 落纱时间：2.5分钟
 - 插、拔管率：100%
 - 落纱留头率：98%以上



Auto doffing system

- With vertical steel bank tray system, once yarn reaches its full bobbin, bobbin pulling placing and conveying can be done automatically instead of manual doffing. This reduce the labor intensity of workers, improve both doffing and production efficiency and increase spinning profit rate.
- Technic parameters:
 - Doffing time: 2.5mins
 - Bobbin-pulling/placing ratio: 100%
 - Doffing yarn reserving rate: more than 98%

远程监控系统

- 通过参数控制修改纺纱工艺，系统预留网络数据接口，允许网络系统读取数据，写入特定数据，整合单锭检测系统数据采集，扩展实现计算机联网控制，实时监控细纱机工作状态，远程工艺控制。实时采集统计产量、设备运行效率、能耗等各种管理数据。

Remote monitoring system

- Spinning process can be modified by parameter-controlling. With a reserved network data interface, network system's reading and writing date and integration of data from spindle detection system acquisition, expanding the realization of computer network control, to realize real-time monitoring the ring spinning machine and remote process controlling. Real-time collecting management data such as the statistics of production, equipment operating efficiency and energy consumption etc.

紧密纺装置

- 华方四罗拉紧密纺装置，结构简单，纺纱品种适应性强。根据工厂订单需求可实现紧密纺、紧密赛络纺、环锭纺的快速切换。

Compact spinning device

- H-Fang 4-roller compact kit has simple structure and wide application of spinning varieties. Compact spinning, siro-compact spinning and ring spinning can be switched on the same machine according to different processing requests.



我们致力于纺织机械行业
秉承让劳动者工作更容易的使命
从产品结构和系统上对设备进行升级

We focus on spinning machinery industry
undertake the labour easy work mission
upgrade the product structure and system