

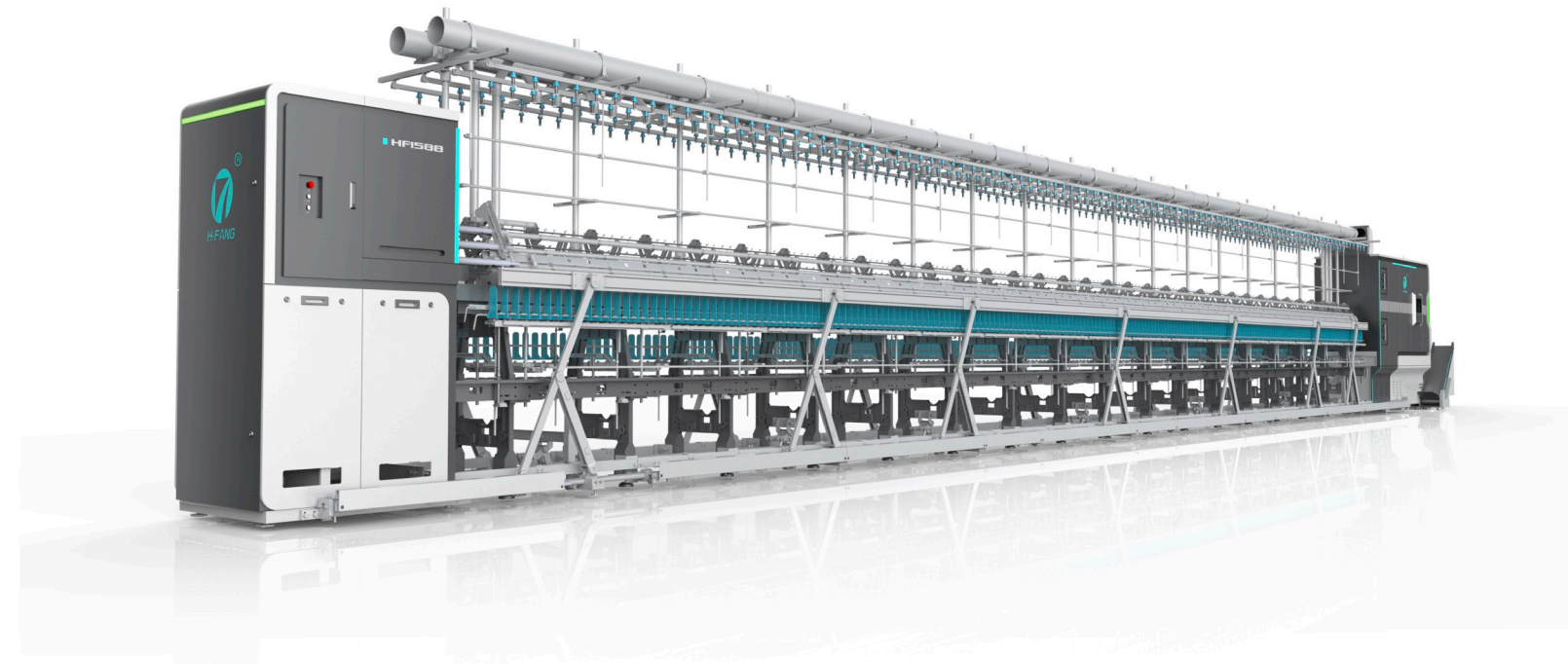


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NEW TECHNOLOGY
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江阴市华方新技术科研有限公司

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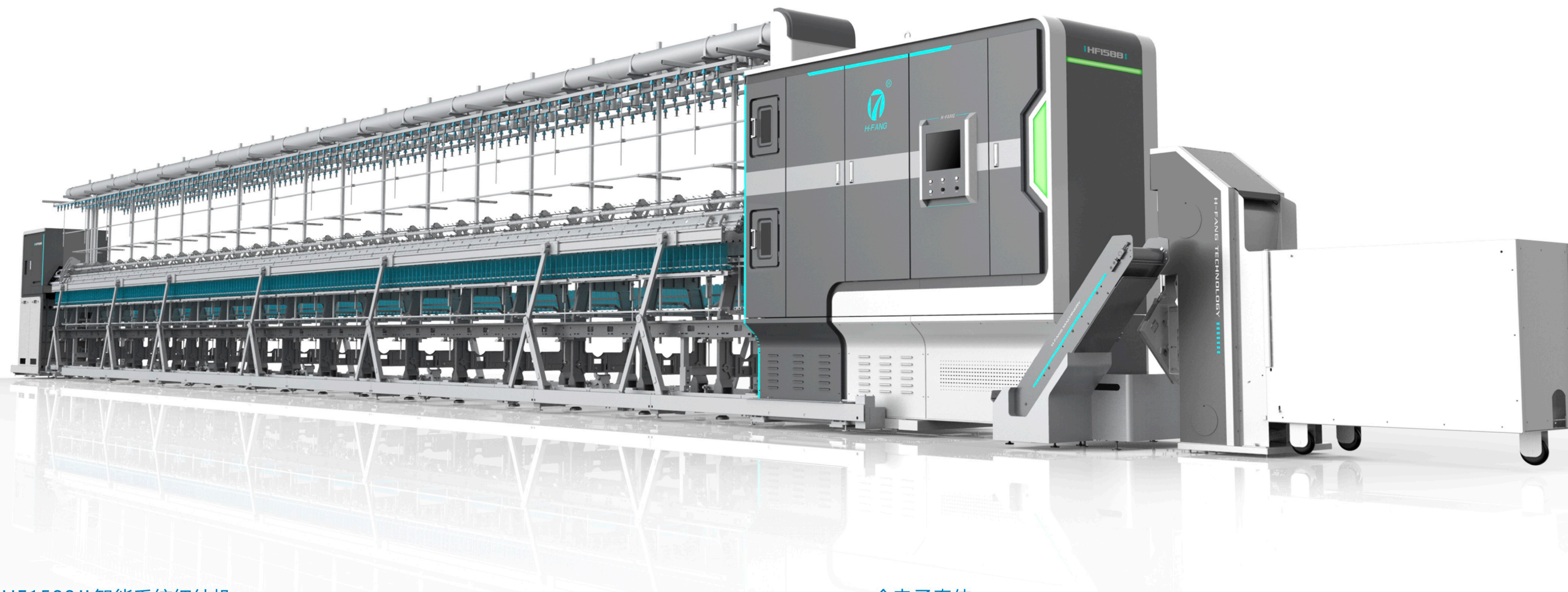
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HF1588JL 智能毛纺细纱机

HF1588JL Auto-doffing worsted ring spinning frame

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HF1588JL智能毛纺细纱机

- HF1588JL智能毛纺细纱机是华方科技为填补国内智能毛纺细纱机技术空白而研发的集电子牵伸、电子升降、电锭、集体落纱、紧密纺、单锭检测、远程监控等智能技术于一体的新型智能型毛纺细纱机，是国内毛纺设备智能升级的主要选择。

HF1588JL Auto-doffing worsted ring spinning frame

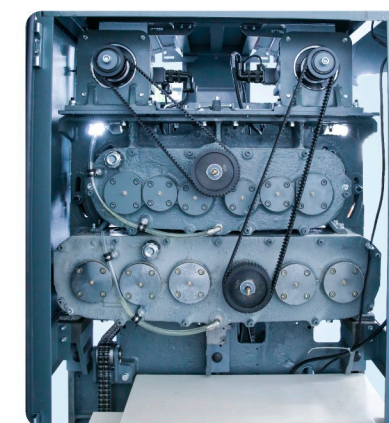
- HF1588JL Auto-doffing worsted ring spinning frame is developed by H-Fang to fill the technical gap of domestic intelligent worsted ring spinning frame, integrating electronic drafting, electronic lifting, electronic spindle, auto-doffing, compact spinning, single spindle detecting, remote monitoring and other intelligent technologies. It is the main choice for the intelligent upgrading of domestic worsted ring spinning equipment.

全电子牵伸

- 取消了传统的工艺变换齿轮，前中后罗拉分别由不同的伺服电机驱动，实现工艺数字化在线调整和远程监控，为智能化奠定基础。
适应客户竹节、段彩等花式纱纺制需求。

Electronic drafting

- The front, middle and back rollers are driven by individual servo motor instead of traditional gear system, laying the foundation of intelligence by realizing online adjustment and remote monitoring of process digitization. It can meet customers' demands for fancy yarn spinning such as slub yarn and injection yarn.



电锭（选配）

- 锭子传动采用单电机型式，简化细纱机结构，降低车间噪音，改善车间环境。
- 通过集成PCB驱动板单锭控制，断纱或质量不良锭子停止运转，降低能耗。

Electronic spindle (optional)

- Each spindle is driven by an individual motor(optional). It simplifies machine structure, reduces noise, and improves working environment.
- Each spindle is controlled by integrated PCB drive circuit board, the spindle automatically stops once it is detected with yarn breakage or poor quality, which can reduce energy consumption.

单锭检测

- 实时检测每锭锭速（选配）、断头、捻度差异等数据，统计生产数据，便于精准管理，提高效率。



Single spindle detecting

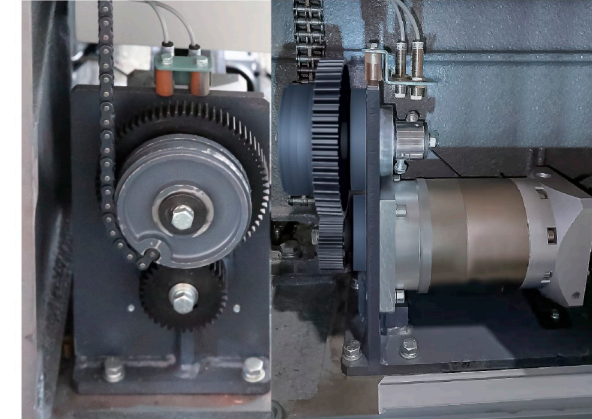
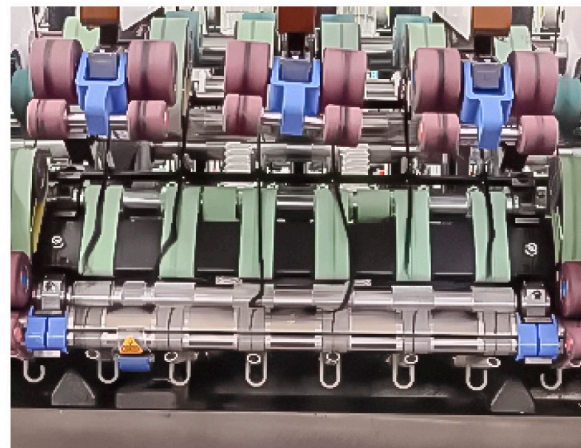
- Real-time monitoring of data such as spindle speed (optional), yarn breakage, and twist difference of each spindle. Statistical production data to facilitate accurate management and improve efficiency.

四罗拉紧密纺装置

- 四罗拉紧密纺装置是提升纱线质量的保证。最新毛纺紧密纺装置，吸气管置于负压管下方，便于操作。

Four-roller compact spinning device

- This device is a guarantee of yarn quality improvement. The latest worsted compact spinning device with suction pipe placed under suction tube for easier operation.



电子升降

- 伺服电机驱动的细纱电子成型技术，简化升降机构，提高数字化纺纱水平。

Electronic lifting

- The spinning electronic forming technology is driven by servo motor. It simplifies the lifting mechanism and improves the level of digital spinning.

集落系统全自动理管机

- 提升落纱和络筒效率的利器。

Auto-doffing system with bobbin auto-sorter

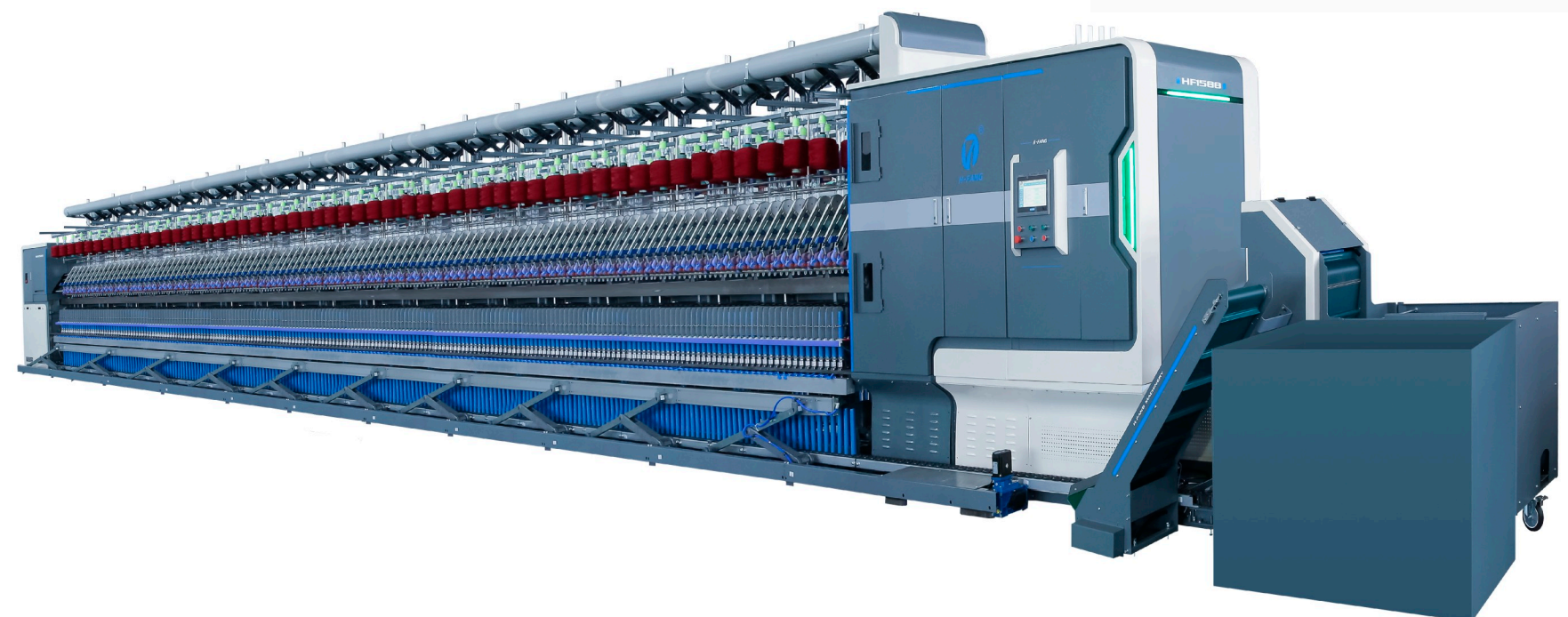
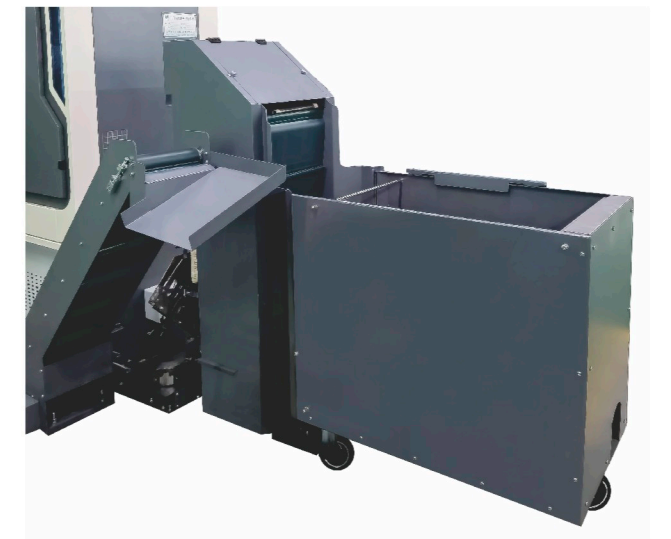
- It improves doffing and winding efficiency.

智能电控系统

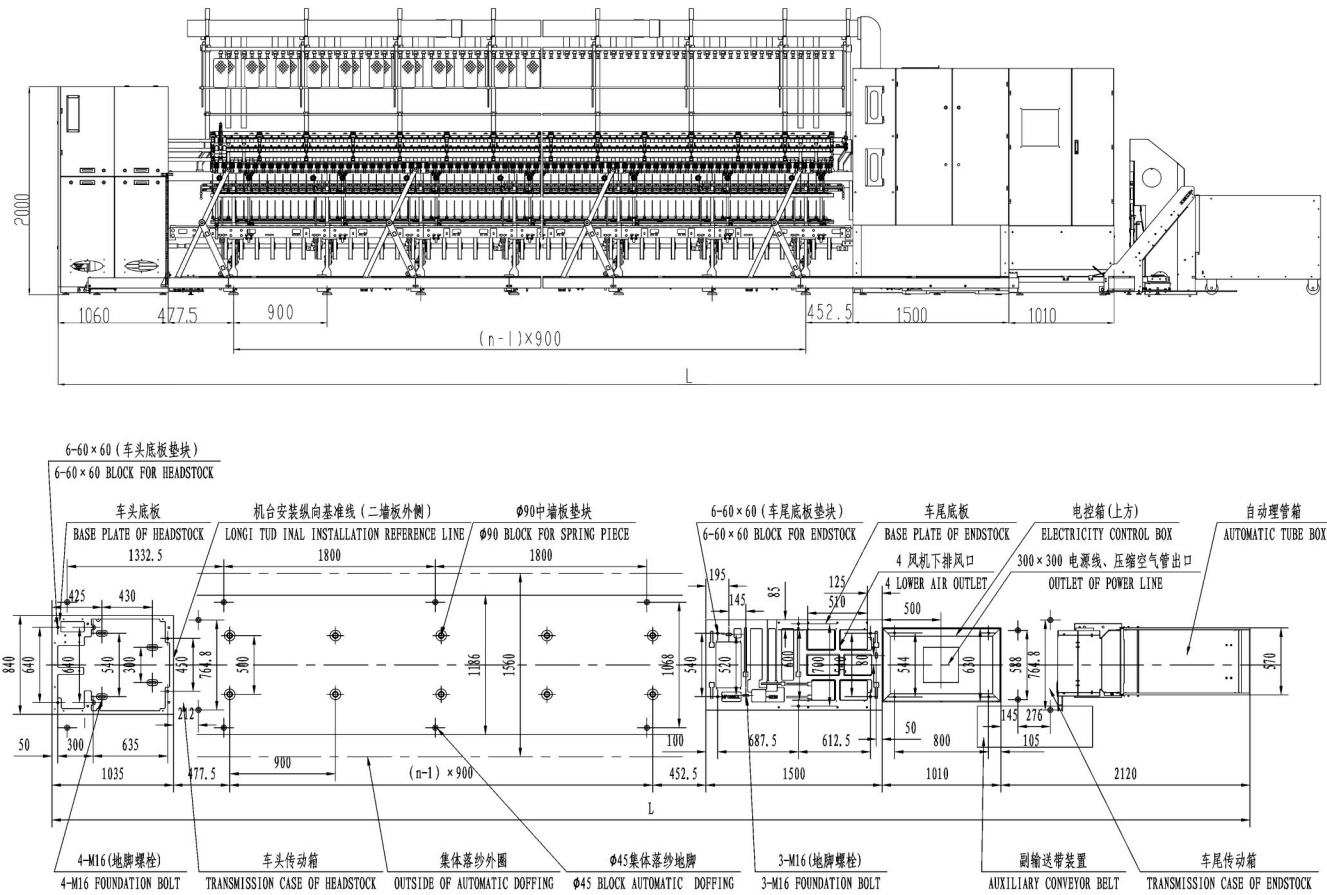
- 嵌入纺纱工艺、报警信息的人机界面，让操作更简单。

Intelligent electric control system

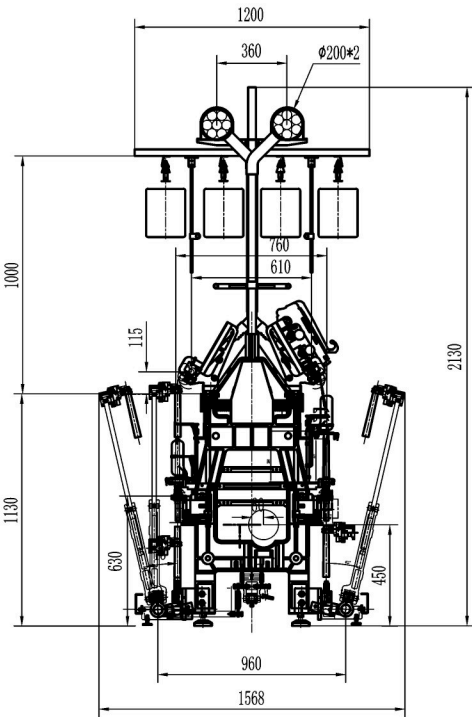
- HMI that displays the spinning process and alarm information makes the operation easier.



HF1588JL地脚平面图
 HF1588JL foundation plan



锭数	N	L
396	17	20995
420	18	21895
444	19	22795
468	20	23695
492	21	24595
516	22	25495
540	23	26395
564	24	27295
588	25	28195
612	26	29095
636	27	29995



HF1588JL主要技术参数
 HF1588JL Main technical parameters

锭距 Spindle gauge	75mm
锭数 Spindle number	396-636 锭 spindles
下罗拉 Roller diameter	φ35×φ30×φ35mm
升降动程 Lift	230mm
钢领直径 Ring dia.	48、51mm
适纺纤维长度 Fiber length suitable	65-200mm
适纺线密度 Yarn density suitable	50-10tex/20-100Nm tex
适纺捻度 Twist suitable	200-1500 T/M
捻向 Twist direction	Z or S
牵伸倍数 Draft ratio	10-40
锭速 Spindle speed	5000-13000RPM
锭子传动 Spindle driving	滚盘传动, 双张力盘、电锭 Rolling disc drive, double tension disc drive or electric spindle device
牵伸型式 Drafting form	三列罗拉、长短皮圈、摇架加压 3 rollers, long-short aprons, top arm
升降型式 Lifting form	电子升降 Electrically
集体落纱拔管率 Auto doffing bobbin picking rate	100%
集体落纱插管率 Auto doffing bobbin placing rate	100%
留头率 Yarn piecing rate	≥98%
落纱时间 Doffing time	2.5min