

www.imaginsz.com

MAGN



Automatic Hanker

# 全自动摇绞机

绞纱智能打结系统

Intelligent skein knotting system

绞纱自动输送系统

Automatic skein conveying system

MAGN

苏州英迈杰机械有限公司  
Suzhou Imagin Machinery Co.,Ltd.

地址：江苏省苏州工业园区唯文路7号  
Block A, No.7 Weiwen Road, Suzhou  
Industrial Park, Suzhou, Jiangsu, China

电话：0086-512-6706 6492  
传真：0086-512-6706 6493  
网址：www.imaginsz.com

江苏省南通海安市和顺路88号  
No.88 Heshun Road, Hai'an Nantong,  
Jiangsu, China

Tel : 0086-512-6706 6492  
Fax : 0086-512-6706 6493  
Http: www.imaginsz.com

- 本样本仅作参考，不作为技术验收依据。
- 为提高产品质量，本公司保留更改规格之权力，恕不另行通知。
- We reserve the right to modify the characteristics of the machines described herein without prior notice.
- The data given in this brochure are not intended as a guarantee.

苏州英迈杰机械有限公司  
Suzhou Imagin Machinery Co.,Ltd.



英迈杰机械有限公司是一家集研发、生产、销售和服务为一体的智能纺织专用装备制造型企业，我们主要为全球纺织企业提供卷绕和加捻专用装备及系统的解决方案。

我们立志成为全球纱线卷绕和加捻行业的领导者。凭借着先进的技术理念、稳定的产品质量和完善的服务体系，英迈杰一直为全球客户提供更高性价比的产品与服务。

Imagin machinery Co.,LTD. is a high-tech intelligent textile equipment manufacturing company, enterprise integrating research and development, production, sales and service,we provide winding and twisting solutions for textile companies word-wide.

We are determined to become the global leader of twisting and winding for textile.We provide strong technical supports and excellent service for global textile enterprises with advanced technology concept, stable product quality and perfect service system.

**MAGN** 纺织改变生活，科技创造未来！  
Textile changes life, technology creates the future !

GC全球合作  
Global Cooperation



成就客户，汇聚英才。开放合作，迈向杰出。  
Customer success, Gathering talents. Open cooperation, Towards excellence.

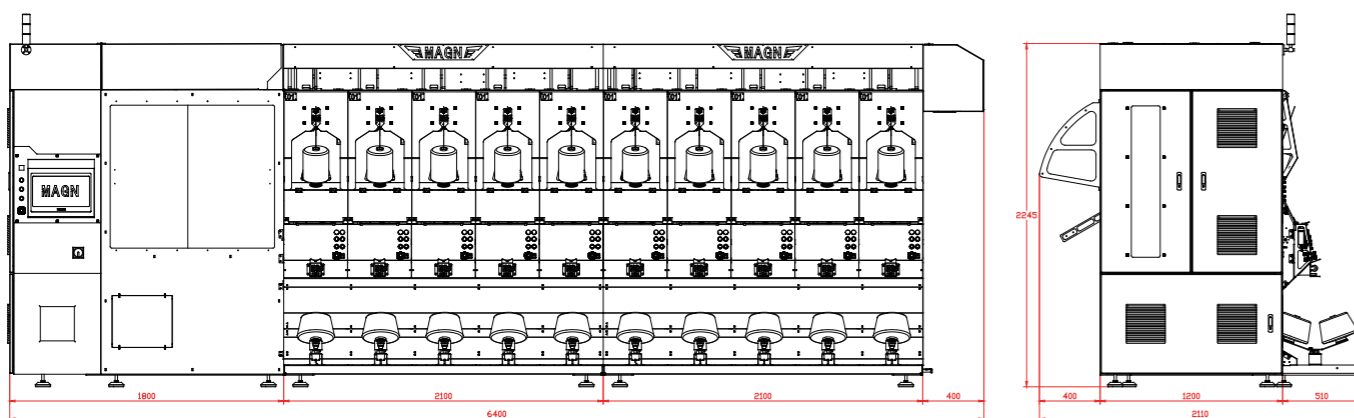


## 工艺参数 Technological parameters

产品系列 Product series	AH-1000
锭距 Gauge	420mm
锭数配置 Ingot number configuration	5锭/节(单面)最大60锭 5Sp/section (single side) max.60Sp
纱线品种 Type of yarn	短纤、长丝 Staple fiber、Filament yarn
绞卷速度 Winding speed	600rpm 依据工艺设定 Depending on process setting
绞纱框长 Yarn frame length	1750-2100mm 绞架带记忆位置设定功能 Creel with memory position setting function
装机功率 Installed power	550W/锭(含输送动力系统) 550W/Sp (Including conveying system)
卷绕动程 Winding stroke	90-120mm 绞纱卷绕幅面宽度 The winding width of skein yarn
输送速度 Conveying speed	3.6-4.2m/min 循环线速度 Circular linear velocity
循环耗时 Cycle time consuming	6-8min/组 Group (多锭同批次落纱为一组) (Each batch of doffing is a group)
选配装置 Optional devices	4股自动喂入纱架 4 strands automatic yarn feeding frame

如有其它工艺参数配置需求敬请咨询我们的服务或销售工程师 If you have other process parameter requirements, please consult the service or sales engineer

## 外形尺寸 Layout



## 机器尺寸 Machine dimensions

节数 Section	1	2	3	4	5	6	7	8	9	10	11	12
锭数 Quantity(Sp)	5	10	15	20	25	30	35	40	45	50	55	60
长度 Length(mm)	4300	6400	8500	10600	12700	14800	16900	19000	21100	23200	25300	27400
宽度 Width(mm)	2110											
高度 Heigh(mm)	2245											
净重 Net weight(kg)	1455	2510	3565	4620	5675	6730	7785	8840	9895	10950	12005	13060

机型最大可配置节数为12节。  
The maximum configurable number of sections is 12.

\* 如果您有其他定制化需求, 还请联系我们的销售或技术人员确认。

\* If you have any other customization needs, please contact our sales and engineers.

## 全自动摇绞机技术优势 Technical advantages of auto-hanker

### No. 1 智能打结系统 Intelligent knotting system

- ◆ 多点正负压穿纱打结器  
Multiple positive and negative pressure knotter
- ◆ 仿真模拟手指打结输出  
Analog simulated finger knotting output
- ◆ 打结速度和质量大幅度提升  
Knotting speed and quality greatly improved

### No. 2 智能输送系统 Intelligent conveying system

- ◆ 伺服电机驱动控制  
Servo motor drive control
- ◆ 循环式自动输送架  
Circular automatic conveyor frame
- ◆ 减少人工和作业强度  
Reduce labor and labor intensity

### No. 3 数字监控系统 Digital monitoring system

- ◆ 工艺参数实时读写  
Real-time reading and writing of process parameters
- ◆ 班次产量及产出率实时监控  
Shift output and output rate real-time monitoring
- ◆ 设备信息及故障诊断功能  
Equipment information and fault diagnosis function

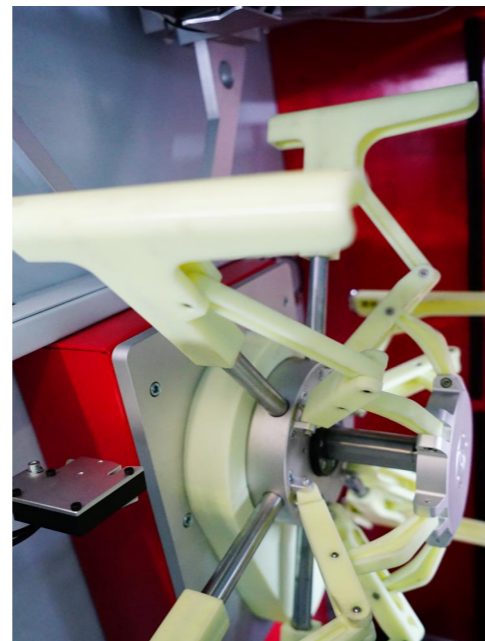
## 全自动摇绞机产品特点 Product features of auto-hanker

- 绞架伸缩具备记忆功能, 框长设置灵活。  
Creel has memory function, and frame length can be set flexibly.
- 卷绕动程可调, 绞纱幅面散布均匀。  
Winding stroke is adjustable, yarn distribution is uniform.
- 轻量化绞架设计, 最高卷速可达到600rpm。  
Lightweight Creel design for up to 600rpm speeds.
- 全自动打结、落纱输送系统, 产出效率高。  
Automatic knotting and conveying system with high efficiency.
- 单锭单控式操作界面, 工艺编程切换方便。  
Single control operation interface, easy process preparation.



### 智能打结系统 Intelligent knotting system

1. 打结器安装平台浮动布局，与绞架间距精准匹配。  
The installation platform of knotter is floating, and the spacing between the knotter and yarn frame is accurately matched.
2. 负压路径解决头纱吸取，正压路径解决尾纱吹出。  
The negative pressure solves the suction of head yarn, and the positive pressure solves the blowing out of tail yarn.
3. 气动贯入式穿纱引导，旋转鹰嘴绕结，效果更好。  
Pneumatic penetration type threading guidance, rotating eagle beak winding knotting for better effect.
4. 精密丝杆传动，工程塑料导管，精度和耐久保障。  
Precision screw drive, engineering plastic conduit, ensuring accuracy and durability.
5. 伺服电机搭载专用IKS型打结控制模组，稳定性好。  
The servo motor is equipped with the dedicated IKS type knotting control module, which has good stability.



### 智能输送系统 Intelligent conveying system

1. 循环线悬吊安装方式，落纱输送机构的空间利用率高。  
Suspension installation of circulating line, and high space utilization of the doffing conveyor transmission mechanism.
2. 单绞滑入式挂送点阵，最大限度保护打结绞纱的成型。  
Single hank sliding in hanging and feeding matrix, maximizing protection for the formation of knotted hank.
3. 脉动式不间断单绞挂送模式，减少成品绞纱输送等待。  
Pulsating uninterrupted single strand hanging mode reduce waiting time for finished hank conveying.
4. 旋转式多绞成品收纳杆，多绞汇聚后可再次集中捆包。  
Rotating multi hank finished product storage rod, which can be bundled again after multiple hank strands converge.
5. 伺服电机搭载专用ICS型输送控制模组，稳定性好。  
The servo motor is equipped with the dedicated ICS type conveying control module, which has good stability.

