



MAGN
英迈杰机械有限公司
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.

www.imaginsz.com

MAGN

Precision Soft Winder 精密卷绕松筒机

精密拨叉 / 伺服横动
Precision Fork / Servo Guide

自动换管精密拨叉 / 伺服横动
Precision Fork / Servo Guide with Automatic Doffing

英迈杰机械有限公司
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.

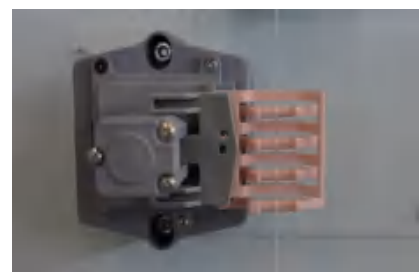
自动换管松筒机选配装置 Optional of Automatic doffing soft winder



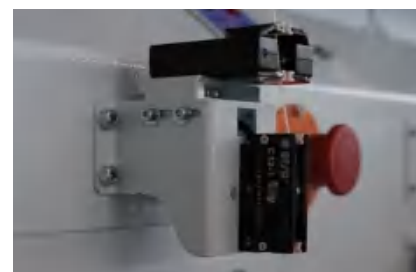
落纱自动输送系统
Auto-doffing conveyor system



超喂装置
Overfeeding device



门栅式张力器
Comb tensioner



BTSR闭环监测系统
BTSR Closed-loop monitor system



电磁式张力器
Magnetic tensioner



上油装置
Oiling device

FLEX精密卷绕松筒机 Precision soft winder of FLEX



产品的技术优势及特点

Technical advantages of products

- 精密式导纱机构，纱线排列位置更精准
Precision yarn guide mechanism for yarn precise positioning
- 卷绕动程可调，卷装成型定制化
Adjustable winding range for customization package forming
- 卷绕速度提升明显，最高可达到1000m/min
The winding speed has been increased to 1000m/min
- 主动卷绕可减少筒子打滑和过度摩擦
Active winding reduces slipping and friction
- 气动稳定背压系统，筒子成型高度一致
Pneumatic pressure system, consistent tube forming
- 松式卷绕排列，密度均衡可控
Soft winding arrangement with controllable density
- 伺服电机控制，智能驱动配置
Servo motor control, intelligent drive configuration
- 卷绕过程张力闭环控制，张力控制更精准
Tension closed-loop control make tension more precise
- 垂直通道型纱路，导纱更顺畅
Optimized yarn path concept, smooth passage
- 单锭单控式作业系统，操作更顺畅
Single spindle control system for easier operation

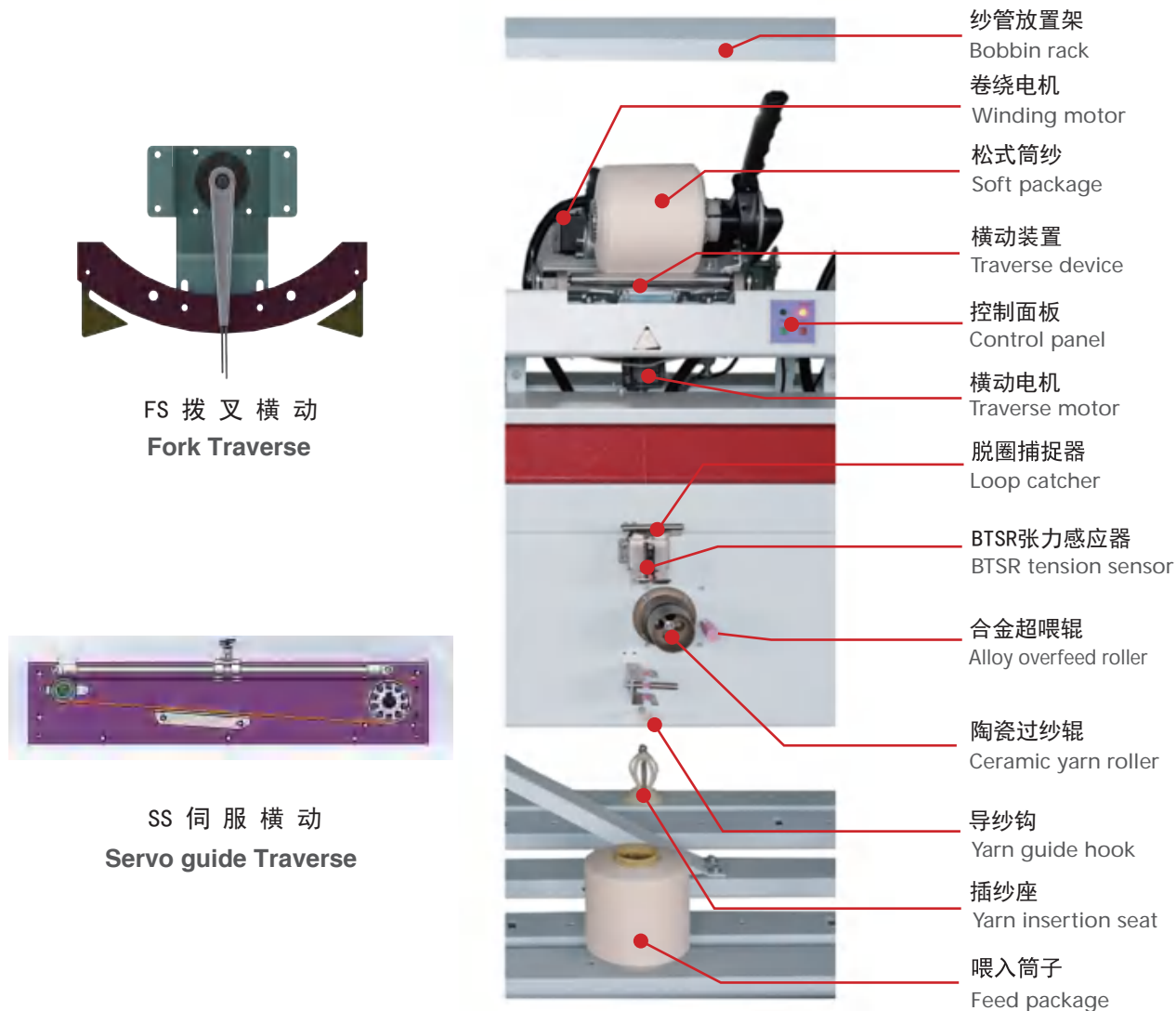
FLEX精密卷绕松筒机主要参数 Main parameters of FLEX precision soft winder

型号	Type	FLEX-FS2/SS2-N
锭距	Gauge	400/500mm
每节锭数	Spindles per section	8/10双面或4/5单面 8/10Sp double side or 4/5Sp single side
卷绕形式	Winding form	主动卷绕 Active winding
卷绕速度	Winding speed	1000m/min (根据工艺及纱线特性决定) (According to the yarn process)
驱动方式	Driving method	单锭伺服驱动 Individual servo motor
电机功率	Motor power	400W (标称功率) (Rated power)
张力控制	Yarn tension	电磁式/门栅式 Magnetic/Comb
往复动程	Reciprocate traverse	6" - 8" (FS2) (170mm-230mm) 10" (SS2) (290mm)
机器长度	Length of machine	420+[总锭数T÷4(8)或5(10)]X2100mm T=Total number of spindles
选配置	Optional device	上油装置 Oiling device 网络喷嘴 Air intermingler
		吹吸风装置 Overhead travelling blower 空捻器 Splicer

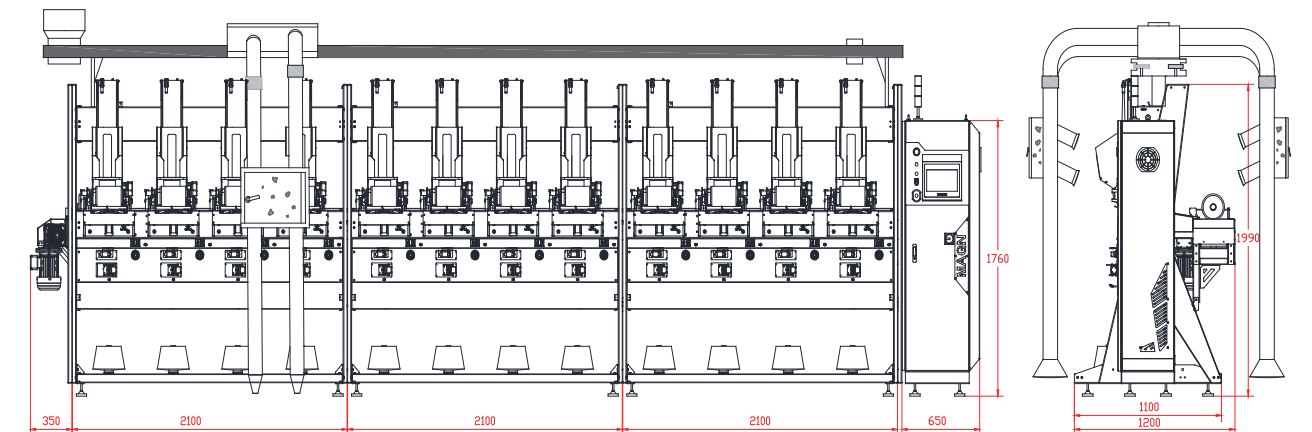
工艺参数 Technological parameters

产品系列	Product series	FSA/SSA-N
纱线支数	Count range of yarn	№6-200
喂入直径	Feed diameter of package	最大 φ 250mm max. φ250mm
纱线品种	Type of yarn	短纤(棉纺及毛纺)、长丝(化纤和涤纶) Staple fiber, Filament yarn
卷取速度	Winding speed	1200m/min 依据生产工艺 Depending on process parameters
成卷直径	Diameter of assembled package	最大 φ 220mm max. φ220mm
成卷重量	Weight of assembled package	最大4Kg max. 4Kg
适配筒管	Type of yarn bobbin	6" -10" (SSA-N可适配10英寸筒管) (SSA-N can fits 10 inch bobbins)
输送速度	Conveying speed	3-10m/min 依据客户中转需求 Depending on customer transfer request
张力范围	Yarn tension range	0-100% 张力闭环控制+BTSR 0-100% Tension closed-loop control+BTSR
一般应用	Common application	松筒、倒筒 Soft winding, Rewinding

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*	13	14	15*
锭数 Quantity(Sp)	4(5)	8(10)	12(15)	16(20)	20(25)	24(30)	28(35)	32(40)	36(45)	40(50)	44(55)	48(60)	52(✓)	56(✓)	60(✓)
长度 Length(m)	3.1	5.2	7.3	9.4	11.5	13.6	15.7	17.8	19.9	22.0	24.1	26.2	28.3	30.4	32.5
宽度 Width(m)	1.20														
高度 Heigh(m)	1.99														
净重 Net weight(kg)	570	1040	1510	1980	2450	2920	3390	3860	4330	4800	5270	5740	6210	6680	7150

4锭/节的机型最大可配置节数为15节, 5锭/节的机型最大可配置节数为12节。
The maximum configurable number of sections for a 4-spindle/section model is 15, while the maximum configurable number of sections for a 5-spindle/section model 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.

自动换管松筒机主要参数 Main parameters of automatic doffing soft winder

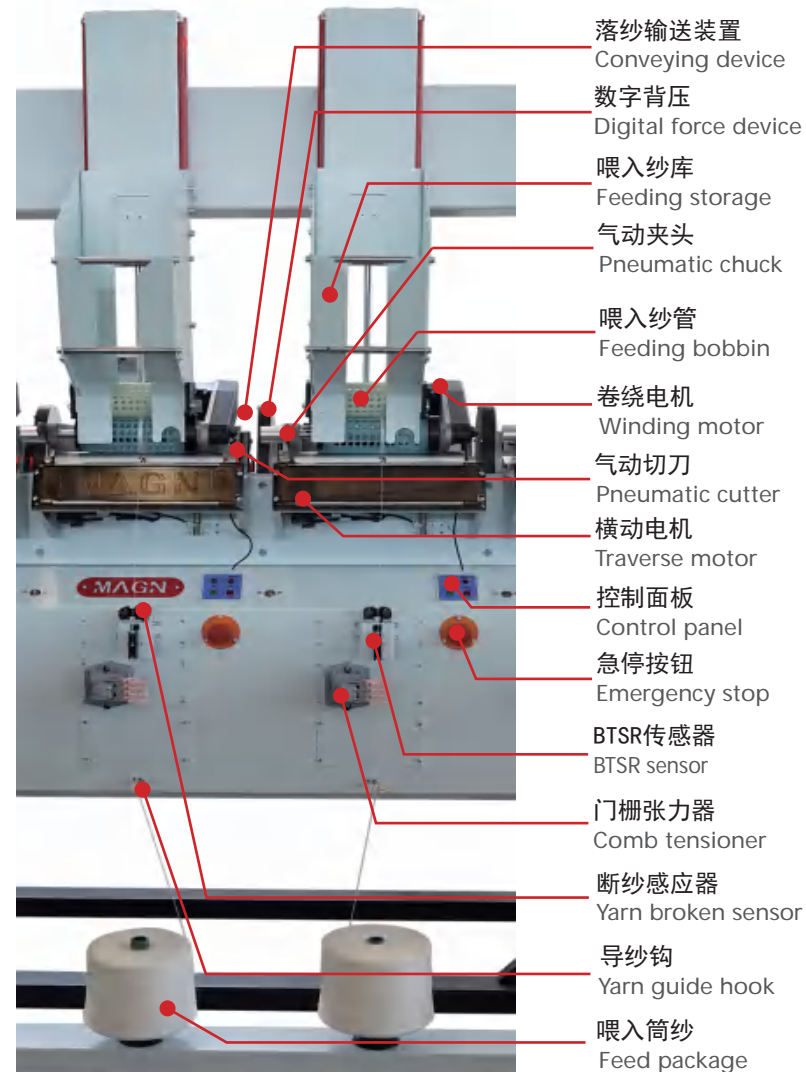
型号	Type	FSA/SSA-N
锭距	Gauge	400mm/500mm
每节锭数	Spindles per section	4锭/5锭(单节) 4Sp / 5Sp (single section)
锭数配置	Spindles configuration	60锭(单面) 60Sp (Single side)
卷绕速度	Winding speed	最大1200m/min Max 1200m/min
驱动形式	Winding drive	单锭伺服电机 Individual servo motor
动程范围	Traverse range	170mm-290mm SSA-N可达290mm SSA-N can reach 290mm
换管形式	Doffing type	自动型(气动) Automatic (pneumatic)
张力控制	Yarn tension	电磁/门栅张力器 Electromagnetic / Comb tensioner
背压控制	Force control	数字背压装置 Digital force device
选配装置	Optional device	远程监控系统 Remote monitoring system
		落纱自动输送系统 Automatic conveying system
		循环吹吸风装置 Circulating blowing and suction device
		上油装置 Oiling device 网络喷嘴 Air intermingler



FSA 拨叉横动
Fork Traverse



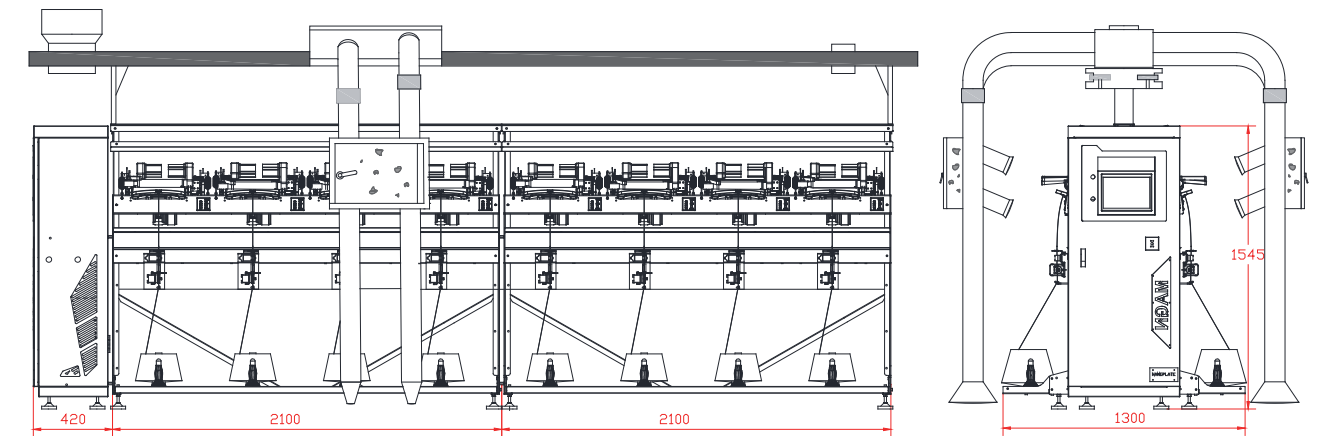
SSA 伺服横动
Servo guide Traverse



工艺参数 Technological parameters

机型	Machine model	FS2/SS2-N
支数	Count range	Ne6-200
喂入纱筒直径	Diameter of supply package	最大φ250mm Max φ250mm
并纱筒子直径	Diameter of assembled package	最大φ200mm Max φ200mm
纱线品种	Type of yarn	短纤(棉纺及毛纺)、长丝(化纤和涤纶) Staple fiber、Filament yarn
卷取速度	Winding speed	1000m/min 根据生产工艺调整 Depending on process parameters
张力控制	Yarn tension range	0-100% 张力闭环控制+BTSR Tension closed-loop control+BTSR
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

> 单面机型 Single sided selection

锭数	Quantity (Sp)	4(5)	8(10)	12(15)	16(20)	20(25)	24(30)	28(35)	32(40)	36(45)	40(50)	44(55)	48(60)
长度	Length (m)	2.52	4.62	6.72	8.82	10.92	13.02	15.12	17.22	19.32	21.42	23.52	25.62
宽度	Width (m)	1.30											
高度	Heigh (m)	1.55											
净重	Net weight (kg)	390	680	970	1260	1550	1840	2130	2420	2710	3000	3290	3580

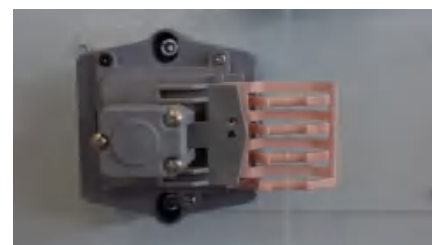
>> 双面机型 Double sided selection

锭数	Quantity (Sp)	8(10)	16(20)	24(30)	32(40)	40(50)	48(60)	56(70)	64(80)	72(90)	80(100)	88(110)	96(120)
长度	Length (m)	2.52	4.62	6.72	8.82	10.92	13.02	15.12	17.22	19.32	21.42	23.52	25.62
宽度	Width (m)	1.30											
高度	Heigh (m)	1.55											
净重	Net weight (kg)	460	820	1180	1540	1900	2260	2620	2980	3340	3700	4060	4420

* 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.

■ FLEX精密卷绕松筒机选装配置 Optional of FLEX precision soft winder



门栅式张力器
Comb tensioner



电磁式张力器
Magnetic tensioner



BTSR张力传感器
BTSR tension sensor



上油装置
Oiling device



空气网络喷头
Air intermingler



上蜡装置
waxing device

■ 自动换管松筒机 Precision soft winder with automatic doffing



■ 产品的技术优势及特点

Technical advantages of products

- 大容量纱库机构，续航更持久
Large capacity yarn storage mechanism for longer operation
- 磁吸式自动喂入系统，抗干扰性更优
Magnetic suction feeding system with better anti-interference performance
- 落纱自动输送系统，提高运输中转速度
Automatic doffing conveyor system to improve transportation speed
- 滚花式气动锁紧顶头，筒管夹紧更可靠
Friction patterned pneumatic locking head for more reliable tube clamping
- 电子背压系统，卷绕密度与稳定性更好
Electronic back pressure system for better winding density and stability
- 劳动强度降低，工作量减少50%以上
Reduce labor intensity and workload by more than 50%
- 工序步骤自动化，减少约35%的劳动力
Automation of process reduces labor by about 35%
- 卷绕速度大幅提升，效率提升150%
Significant increase in winding speed and efficiency by 150%
- 精准的张力控制系统，精度误差±1cN
Accurate tension control system with accuracy error of ±1cN
- 单面操纵布局，便于生产管理
Single sided control layout for easy production management