

Electronic guiding
电子导纱



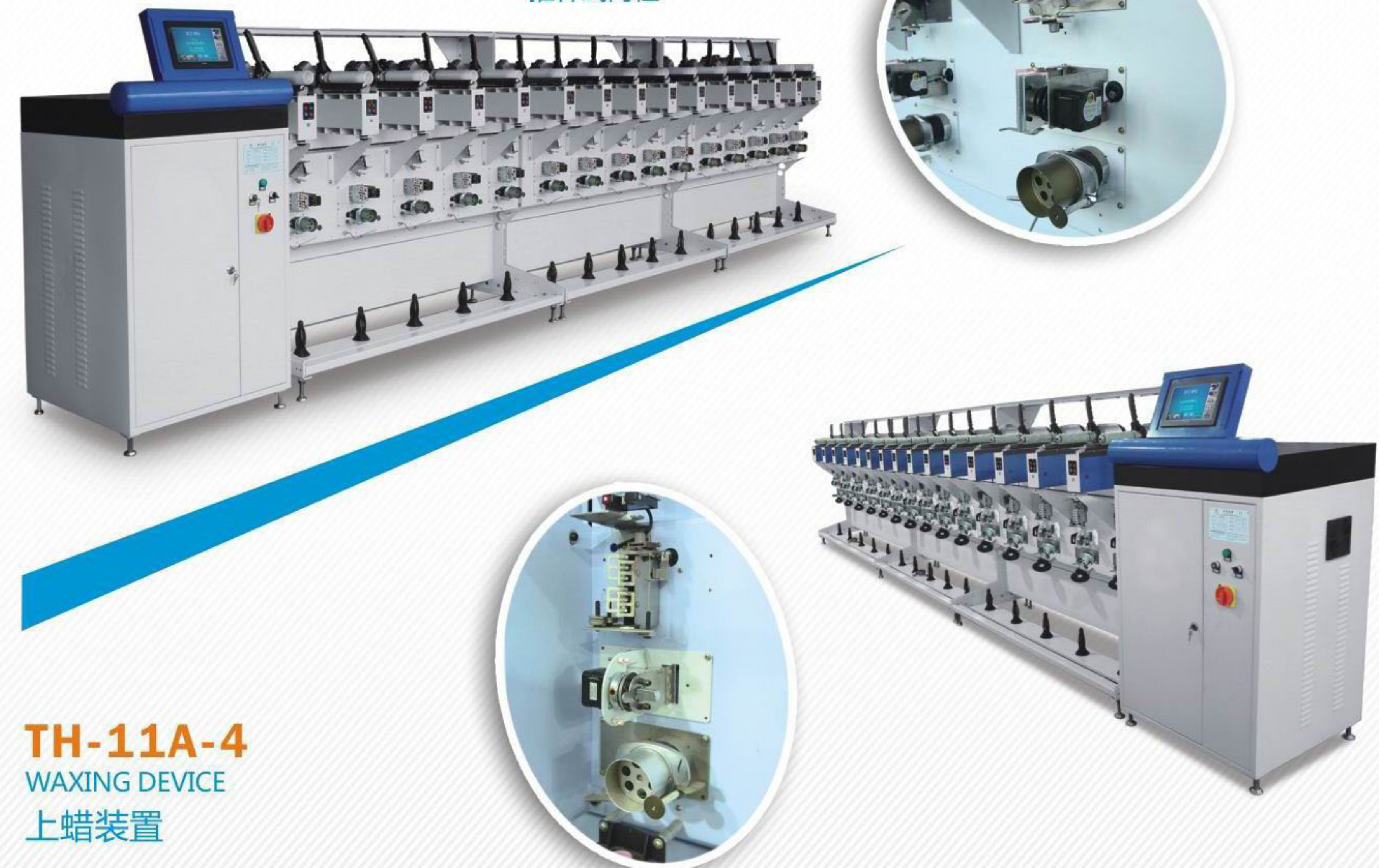
TH-11A-1
NORMAL TENTION GATE
普通涨力

Electronic guiding
电子导纱



TH-11A-2
BTSR TENSION SENSOR
在线涨力门栓

TH-11A-3
PUSH ROD TENSION SENSOR
推杆式门栓



TH-11A-4
WAXING DEVICE
上蜡装置

Soft winding machine、Cone to cone
松式络筒机、筒倒筒

- 创新方案、先进的技术和应用。该络筒机的卷绕速度可通过电脑自动控制，最高可达1200米/分钟。电子排纱，可任意改变卷绕密度及卷绕行程。速度快、成型好！是棉、麻、丝和化学纤维类纱线络筒的理想设备。
- Innovative solutions, rugged technology and application, The winding speed is controlled by computer, max: 1200m/ minute. Precise and sensitive speed testing system can ensure even winding length (weight). It is quite suitable for winding yarn of cotton, flax, silk, chemical fiber.



TECHNICAL PARAMETER

卷绕形式	精密卷绕	Types of winding	Program
机械速度	1200米/分（工艺速度取决于工艺参数）	Mechanical speed	up to 1200m/min (process speed depending on process parameters)
卷装形状	直斜边幅度任意可调	Package shape	freely programmable
横动长度	30-250毫米无级可变	Traverse length	30-250 mm infinitely variable
卷取卷装直径	可达280毫米	Take-up package diameter	up to 280mm
卷装重量	可达4千克（取决于纱线的粗细）	Package weight	up to 4kg (Depending on the thickness of the yarn)
供纱卷装直径	可达320毫米	Supply package diameter	up to 320mm
使用原料	短纤纱,单丝,变形长丝,中等旦数的工业丝（真丝或加捻长丝根据要求提供）	Yarns	Textured or flat filaments, elastic yarns, silk, staple yarns, fine technical yarns
卷取筒管	平行和3°-30°	Take-up tubes	Cylindrical and conical up to 3°-30° conicity
布置	单面机	Layout	Single sided machine
每节锭数	5锭	N° of spindles per section	5
最小/最大锭数	5/60	Min. / max. N° of spindles	5/60
锭距	360毫米	Gauge	360mm
传动	单独传动	Drive	Individual
装机功率	~280伏安	Installed power	~280w per spindle
功率消耗	100瓦	Power consumption	~100w per spindle
卷绕密度	任意设置	Density of winding	Freely setup
外形尺寸(长X宽X高)	1823x700x1550mm	Size(LxHxW)	1823x700x1550mm

Electronic guiding 电子导纱



TH-11B

Hard winding machine,
Hank to cone/
Cone to cone

紧式络筒机、绞倒筒/
筒倒筒



Unwind actively/servo drive 主动退绕/伺服驱动

- 该机型采用国际最先进的主动退绕技术,引进欧洲在线张力技术,使纱线在卷绕时张力均匀,里外张力一致,可准确设置所需张力,从而提高纱线质量和生产效率。该技术对无法退绕的纱线得到完美的解决。对加弹直接染色络筒将不是梦想。
- The TH-11B is applied with the most advanced technology of unwinding actively in the world, introducing the yarn loading tension control technology from Europe to make the yarn tension even while winding. The tension is same inside and outside. Also, it can set the tension as required to improve the yarn quality and production efficiency. This technology gives out the perfect solution for the yarn which can't be unwound. It realizes to dye and wind directly after texturing.

TECHNICAL PARAMETER

卷绕形式	精密卷绕	Types of winding	Program
机械速度	可达1200米/分(工艺速度取决与工艺参数)	Mechanical speed	up to 1200m/min (process speed depending on process parameters)
卷装形状	直斜边幅度任意可调	Package shape	freely programmable
横动长度	30-250毫米无级可变	Traverse length	30-250 mm infinitely variable
卷取卷装直径	可达280毫米	Take-up package diameter	up to 280mm
卷装重量	可达4千克(取决于纱线的粗细)	Package weight	up to 4kg (Depending on the thickness of the yarn)
供纱卷装直径	可达320毫米	Supply package diameter	up to 320mm
使用原料	短纤纱,单丝,变形长丝,中等旦数的工业丝(真丝或加捻长丝根据要求提供)	Yarns	Textured or flat filaments, elastic yarns, silk, staple yarns, fine technical yarns
卷取筒管	平行和3° 30'	Take-up tubes	Cylindrical and conical up to 3° 30' conicity
布置	单面机	Layout	Single sided machine
每节锭数	4锭	N° of spindles per section	4
最小/最大锭数	4/60	Min. / max. N° of spindles	4/60
锭距	450毫米	Gauge	450mm
传动	单独传动	Drive	Individual
装机功率	~380伏安	Installed power	-380w per spindle
功率消耗	136W	Power consumption	-136w per spindle
卷绕密度	任意设置	Density of winding	Freely setup
张力装置	可选择	Tension device	Optional
外形尺寸(长x宽x高)	1823x700x1550mm	Size(LxHxW)	1823x700x1550mm

Electronic guiding
电子导纱



TH-11B-3
Soft unwinding machine
松式主动退绕



- 该机型采用国际最先进的主动退绕技术，引进欧洲在线张力技术，使纱线在卷绕时张力均匀，里外张力一致，可准确设置所需张力，从而提高纱线质量和生产效率。该技术对无法退绕的纱线得到完美的解决。对加弹直接染色络筒将不是梦想。

- The TH-11B is applied with the most advanced technology of unwinding actively in the world, introducing the yarn loading tension control technology from Europe to make the yarn tension even while winding. The tension is same inside and outside. Also, it can set the tension as required to improve the yarn quality and production efficiency. This technology gives out the perfect solution for the yarn which can't be unwound. It realizes to dye and wind directly after texturing

TECHNICAL PARAMETER

卷绕形式	精密卷绕/电子卷绕	Types of winding	Precision winding/Electronic winding
机械速度	可达1200米/分 (工艺速度取决与工艺参数)	Mechanical speed	up to 1200m/min (process speed depends on process parameters)
卷装形状	直/斜边任意幅度可调	Package shape	freely programmable
横动长度	30-250毫米无级可变	Traverse length	30-250 mm infinitely variable
卷装直径	180毫米-200毫米	Package diameter	180MM-200MM
卷装重量	可达2千克 (取决于纱线的粗细)	Package weight	up to 2kg (Depends on the thickness of the yarn)
供纱卷装直径	可达320毫米	Supply package diameter	up to 320mm
适用范围	短纤, 单丝, 变形长丝, 中等旦数的工业丝, (真丝或加捻长丝)	Yarns	Textured or flat filaments, elastic yarns, silk, staple yarns, fine technical yarns
卷取筒管	0°-5°57'	Take-up tubes	0°-5°57'
布置	单面机	Layout	Single sided machine
每节锭数	4锭	N° of spindles per section	4
最小/最大锭数	4/40	Min. / max. N° of spindles	4/40
锭距	450毫米	Gauge	450mm
传动	单独传动	Drive	Individual
装机功率	~380伏安	Installed power	~380w per spindle
功率消耗	136W	Power consumption	~136w per spindle
卷绕密度	任意设置	Density of winding	Freely program mable
外形尺寸(长x宽x高)	1823x700x1550毫米	Size(LxHxW)	1823x700x1550mm

Electronic guiding 电子导纱



TH-11BS-3

Hard winding machine, Hank to cone/Cone to cone

紧式络筒机、绞倒筒/筒倒筒

- 该机型采用国际最先进的主动退绕技术，引进欧洲在线张力技术，使纱线在卷绕时张力均匀，里外张力一致，可准确设置所需张力，从而提高纱线质量和生产效率。该技术对无法退绕的纱线得到完美的解决。对加弹直接染色络筒将不是梦想。
- The TH-11B is applied with the most advanced technology of unwinding actively in the world, introducing the yarn loading tension control technology from Europe to make the yarn tension even while winding. The tension is same inside and outside. Also, it can set the tension as required to improve the yarn quality and production efficiency. This technology gives out the perfect solution for the yarn which can't be unwound. It realizes to dye and wind directly after texturing.

TECHNICAL PARAMETER

卷绕形式	精密卷绕/电子卷绕	Types of winding	Precision winding/Electronic winding
机械速度	可达1200米/分 (工艺速度取决与工艺参数)	Mechanical speed	up to 1200m/min (process speed depends on process parameters)
卷装形状	直/斜边任意幅度可调	Package shape	freely programmable
横动长度	30-250毫米无级可变	Traverse length	30-250 mm infinitely variable
卷装直径	180毫米~200毫米	Package diameter	180MM~200MM
卷装重量	可达2千克 (取决于纱线的粗细)	Package weight	up to 2kg (Depends on the thickness of the yarn)
供纱卷装直径	可达320毫米	Supply package diameter	up to 320mm
适用范围	短纤, 单丝, 变形长丝, 中等旦数的工业丝, (真丝或加捻长丝)	Yarns	Textured or flat filaments, elastic yarns, silk, staple yarns, fine technical yarns
卷取筒管	0°-5°57'	Take-up tubes	0°-5°57'
布置	单面机	Layout	Single sided machine
每节锭数	4锭	N° of spindles per section	4
最小/最大锭数	4/40	Min. / max. N° of spindles	4/40
锭距	450毫米	Gauge	450mm
传动	单独传动	Drive	Individual
装机功率	~380伏安	Installed power	~380w per spindle
功率消耗	136W	Power consumption	~136w per spindle
卷绕密度	任意设置	Density of winding	Freely program mable
外形尺寸(长x宽x高)	1823x700x1550毫米	Size(LxHxW)	1823x700x1550mm

Electronic guiding 电子导纱



上油装置
WITH OILING DEVICE



TH-11C

Hard winding machine、Cone to cone
紧式络筒机、筒倒筒

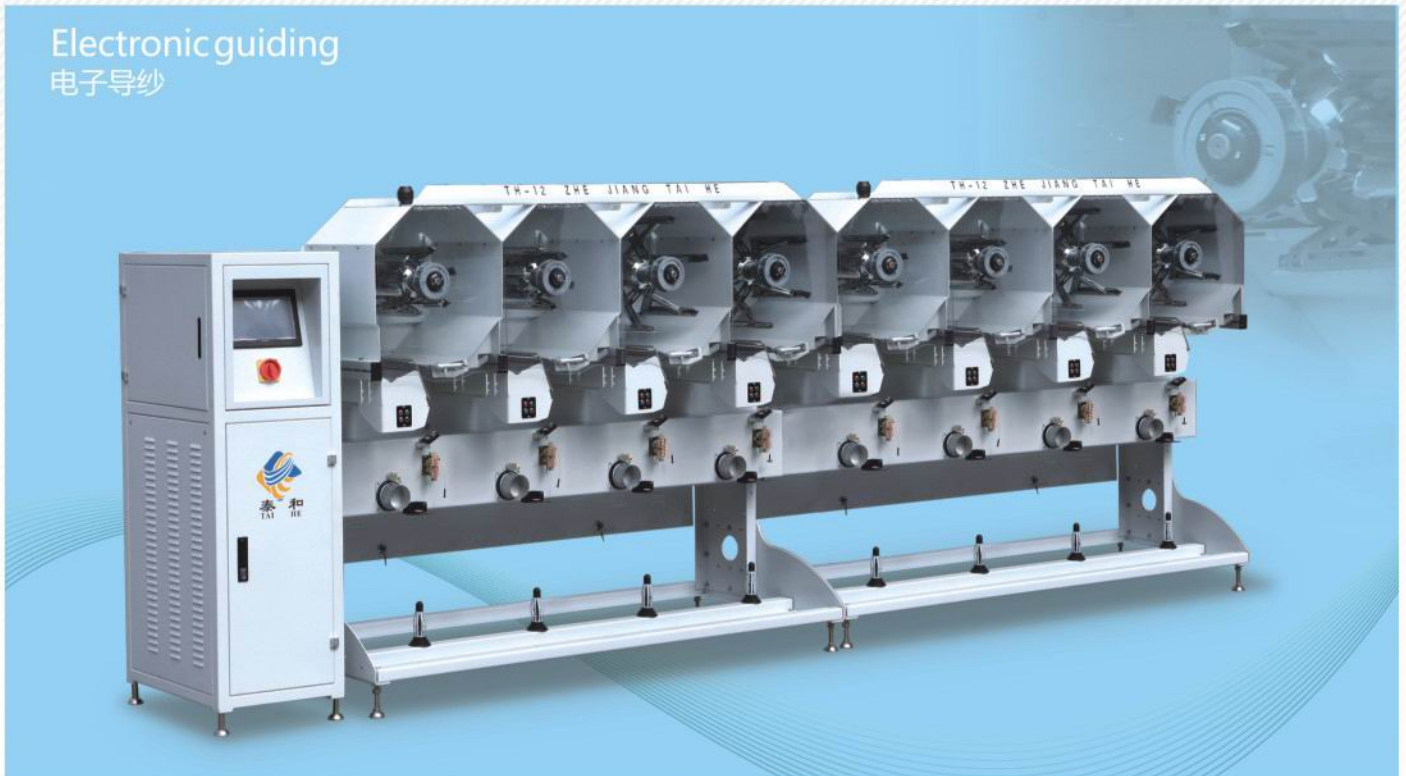


- 创新方案、先进的技术和应用。该络筒机的卷绕速度可通过电脑自动控制，最高可达1200米/分钟。电子排纱，可任意改变卷绕密度及卷绕动程。速度快、成型好！是棉、麻、丝和化学纤维类纱线络筒的理想设备。
- Innovative solutions, rugged technology and application, The winding speed is controlled by computer, max: 1200m/ minute. Precise and sensitive speed testing system can ensure even winding length (weight). It is quite suitable for winding yarn of cotton, flax, silk, chemical fiber.

TECHNICAL PARAMETER

卷绕形式	精密卷绕	Types of winding	Program
机械速度	可达1200米/分 (工艺速度取决于工艺参数)	Mechanical speed	up to 1200m/min (process speed depending on process parameters)
卷装形状	直斜边幅度任意可调	Package shape	freely programmable
横动长度	30-250毫米无级可变	Traverse length	30-250 mm infinitely variable
卷取卷装直径	可达280毫米	Take-up package diameter	up to 280mm
卷装重量	可达4千克 (取决于纱线的粗细)	Package weight	up to 4kg (Depending on the thickness of the yarn)
供纱卷装直径	可达320毫米	Supply package diameter	up to 320mm
使用原料	短纤纱,单丝,变形长丝,中等旦数的工业丝 (真丝或加捻长丝根据要求提供)	Yarns	Textured or flat filaments, elastic yarns, silk, staple yarns, fine technical yarns
卷取筒管	平行和3° 30'	Take-up tubes	Cylindrical and conical up to 3° 30' conicity
布置	单面机	Layout	Single sided machine
每节锭数	5锭	N° of spindles per section	5
最小/最大锭数	5/60	Min. / max. N° of spindles	5/60
锭距	360毫米	Gauge	360mm
传动	单独传动	Drive	Individual
装机功率	~280伏安	Installed power	-280w per spindle
功率消耗	100瓦	Power consumption	-100w per spindle
卷绕密度	任意设置	Density of winding	Freely setup
外形尺寸(长X宽X高)	1823x700x1550mm	Size(LxHxW)	1823x700x1550mm

Electronic guiding
电子导纱



TH-12A

Hanking machine/ Cone to hank winding 成绞机/成筒机

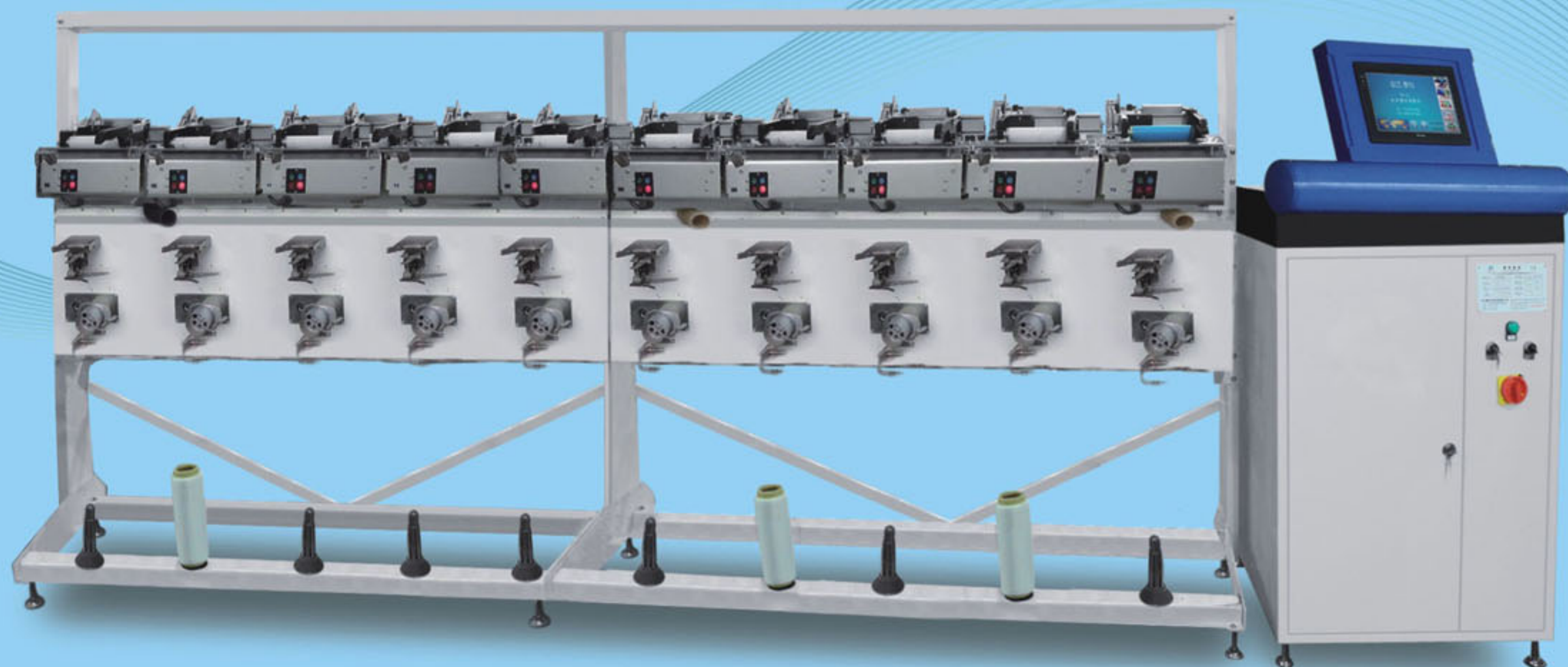


- 新的成绞工艺将改变传统成绞生产。高效、低消耗、染色渗透力强、退绕无断头、不起毛,解决传统成绞带来的问题。
- New hanking technology will replace the old hanking technology. High efficiency, low consumption, easily dyed, continuously unwinding, no cottony. New type hanking machine solve all problems which caused by old technology.

TECHNICAL PARAMETER

卷绕形式	精密卷绕/电子卷绕	Type Of Winding	Precision winding/Electronic winding
机械速度	可达1500米/分 (工艺速度取决于工艺参数)	Speed	max.1500 m/min(process speed depends on process parameter)
卷装形状	筒状面包纱、绞状面包纱	Package Shape	tubular or skein shape hank yarn
动程	30—260毫米	Traverse Length	30—260mm
卷装直径	220毫米—450毫米	Package Diameter	220-450mm
卷取重量	2公斤(取决于纱线的粗细)	Package Weight	max2kg(Depends on the thickness of the yarn)
供纱卷取直径	可达300毫米	Supply Package Diameter	up to 300mm
适用范围	涤纶高低弹丝,锦纶高底弹丝,短纤纱,变形长丝,单丝	Yarn	High and low fleaxibility polyester or nylon, Staple yarn, Processed filament yarn, Monofilament
布置	单面机	Layout	single side
每节锭数	4锭	No. of Each Section	4 spindles
最小/最大锭数	4/28锭	Min/max No. of Spindles	4/28 spindles
锭距	500毫米	Guage	500mm
传动	单锭传动	Drive	individual
装机功率	500W	Installed Power	500w
功率消耗	200W	Power Consumption	200w
外形尺寸(长X宽X高)	2050X800X1700毫米	Size(LxHxW)	2050X800X1700mm

Electronic guiding 电子导纱



TH-13A

Precision winding machine 精密络筒机



- 创新方案、先进的技术和应用。该络筒机的卷绕速度可通过电脑自动控制，最高可达1200米/分钟。电子排纱，可任意改变卷绕密度及卷绕动程。速度快，成型好！是棉、麻、丝和化学纤维类纱线络筒的理想设备。
- Innovative solutions, rugged technology and application. The winding speed is controlled by computer, max 1200M/MIN, Precise and sensitive speed testing system can ensure even winding length(weight). It's quite suitable for winding yarn of cotton, flax, silk, chemical fiber.

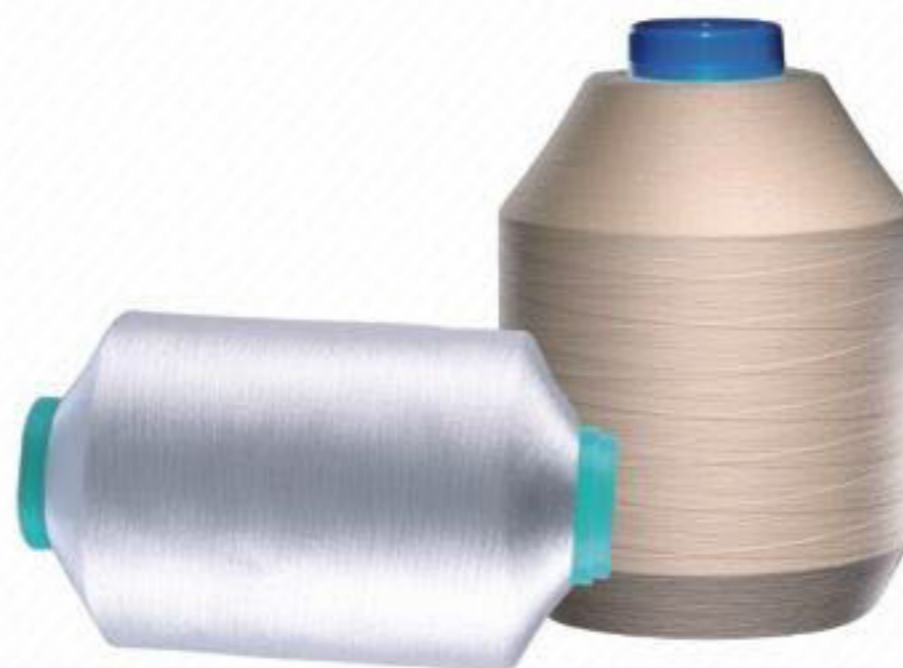
TECHNICAL PARAMETER

卷绕形式	精密卷绕/电子卷绕	Types of winding	Precision winding/Electronic winding
机械速度	可达1200米/分(工艺速度取决与工艺参数)	Mechanical speed	up to 1200m/min (process speed depending on process parameters)
卷装形状	直斜边幅度任意可调	Package shape	freely programmable
横动长度	100-230 MM	Traverse length	100-230 MM
卷取卷装直径	180-200 MM	Take-up package diameter	180-200 MM
卷装重量	可达2KG (取决于纱线的粗细)	Package weight	Up to 2KG (Depending on the thickness of the yarn)
供纱卷装直径	可达320毫米	Supply package diameter	up to 320mm
使用原料	短纤纱,单丝,变形长丝,中等旦数的工业丝 (真丝或加捻长丝根据要求提供)	Yarns	Cotton, TC, CVC, Spun yarn, Polyester yarn, Filament yarns and etc
卷取筒管	平行和5° 57'	Take-up tubes	Cylindrical and conical up to 5° 57' conicity
布置	单面机	Layout	Single sided machine
每节锭数	5 锭	N° of spindles per section	5
最小/最大锭数	5/60	Min. / max. N° of spindles	5/60
锭距	380毫米	Gauge	380MM
传动	单独传动	Drive	Individual
装机功率	-180W/锭	Installed power	-180W per spindle
功率消耗	-60W/锭	Power consumption	-60W per spindle
卷绕密度	任意设置	Density of winding	freely setup
外形尺寸(长X宽X高)	1893 x 800 x 1595mm/组	Size(LxHxW)	1893 x 800 x 1595mm(Per section)

Electronic guiding 电子导纱



TH-13B Double winder machine 并纱机



- 该设备突破传统的并纱技术,是通网络喷嘴及电子张力装置,将1-3股具有不同特性的化纤长丝的纤维纱进行合股合并。采用先进的电磁涨力,具有较高的自动化、智能化水平。
- Doubling winder break traditional winding ways,By using air jet and electronic tension device, Making 1-3 filament yarns combine together. Adopting electromagnetic force with highly automatic and intelligent level.

TECHNICAL PARAMETER

卷绕形式	精密卷绕	Types of winding	Program
机械速度	1200米/分 (工艺速度取决于工艺参数)	Mechanical speed	up to 1200m/min(process speed depending on process parameters)
卷装形状	直斜边任意幅度可调	Package shape:	Freely programmable
横动长度	170MM—230MM	Traverse length	170MM-230MM
卷曲卷装直径	可达200MM	Take-up package diameter	up to 200MM
卷装重量	可达2KG(取决于纱线的粗细)	Package weight	up to 2kg (Depending on the thickness of the yarn)
供纱卷装直径	可达320MM	Supply package diameter	up to 320 MM
张力装置	电子张力	Tension device	Electronic tension device
使用原料	短纤, 长纤 (100D以上)	Yarns	Spun, filament(Over 100D)
卷曲筒管	0°-3°30'	Take-up tubes	0°-3°30'
布置	单面机	Layout:	Single sided machine
每节锭数	5锭	N°of spindles per section	5
最小/最大锭数	5/60	Min./Max.N° of spindles	5/60
锭距	380MM	Gauge	380MM
传动	单锭传动	Drive	Individual
装机功率	180W	Installed power	180W
功率消耗	60W	Power consumption	60W
卷状密度	任意设置	Density of winding	Freely setup
并纱根数	最大可并3根	N°of yarns	N°of yarns:3 strands



TH-15A

High-speed winding machine

高速绕线机

- 该设备适合卷绕多种纱线，通过电脑自动控制系统、电磁张力控制、上油装置等先进技术设备，使得该机器成型好，效率高。
- This machine is suitable for many yarns, By computer control system, electromagnetism tension force, oiling device. Making this machine good-shaped, high efficiency.

TECHNICAL PARAMETER

卷绕形式	精密卷绕	Types of winding	Program
机械速度	1200米/分 (工艺速度取决于工艺参数)	Mechanical speed	up to 1200m/min(process speed depending on process parameters)
卷曲卷装直径	可达160MM	Take-up package diameter	up to 160MM
卷装重量	可达1KG(取决于纱线的粗细)	Package weight	up to 1kg (Depending on the thickness of the yarn)
使用原料	缝纫线, 绣花线, 尼龙纱等。	Yarns	sewing thread, embroidery thread, nylon
卷曲筒管	0°-5°57'	Take-up tubes	0°-5°57'
布置	单面机	Layout	Single sided machine
每节锭数	4锭	N°of spindles per section	4
每锭装纱数量	2个	Tube No per spindle	2
锭距	380MM	Gauge	380MM
传动	单锭传动	Drive	Individual

Electronic guiding 电子导纱



TH-16

Hank Winding Machine 绞纱络筒机

- 该机型采用国际最先进的主动退绕技术，引进欧洲在线张力技术及气动纱架，使纱线在卷绕时张力均匀，里外张力一致，可准确设置所需张力。更好的实现纱线退绕，减少浪费，简化操作。
- Machine is applied with the most advanced technology of unwinding actively in the world, introducing the yarn loading tension control technology and pneumatic hank from Europe to make the yarn tension even while winding. Easily to unwinding yarn, reduce the waste, simplify operation.

TECHNICAL PARAMETER

卷绕形式	精密卷绕	Types of winding	Program
机械速度	1200米/分 (工艺速度取决于工艺参数)	Mechanical speed	up to 1200m/min(process speed depending on process parameters)
卷装形状	直斜边任意幅度可调	Package shape	Freely programmable
横动长度	155—210MM	Traverse length	155MM-210MM
卷曲卷装直径	可达200MM	Take-up package diameter	up to 200MM
卷装重量	可达2KG(取决于纱线的粗细)	Package weight	up to 2kg (Depending on the thickness of the yarn)
供纱卷装直径	可达320MM	Supply package diameter	up to 320 MM
使用原料	腈纶, 短纤, 羊毛, 棉, 麻, 无弹力纱线	Yarns	Acrylic yarn, Spun, wool, cotton, cambric, non elastic yarn
卷曲筒管	0°-3°30'	Take-up tubes	0°-3°30'
布置	单面机	Layout	Single sided machine
每节锭数	5锭	N°of spindles per section	5
最小/最大锭数	5/40	Min./Max.N° of spindles	5/40
锭距	400毫米	Gauge	400MM
传动	单锭传动	Drive	Individual
装机功率	500W	Installed power	500W
功率消耗	50W	Power consumption	50W
卷状密度	任意设置	Density of winding	Freely setup
气动伸缩纱架	最大周长1540MM	Pneumatic hank	Max perimeter 1540MM
配单锭上蜡装置		With individual waxing device	

Electronic guiding
电子导纱



TH-17BH-3



TH-17BH

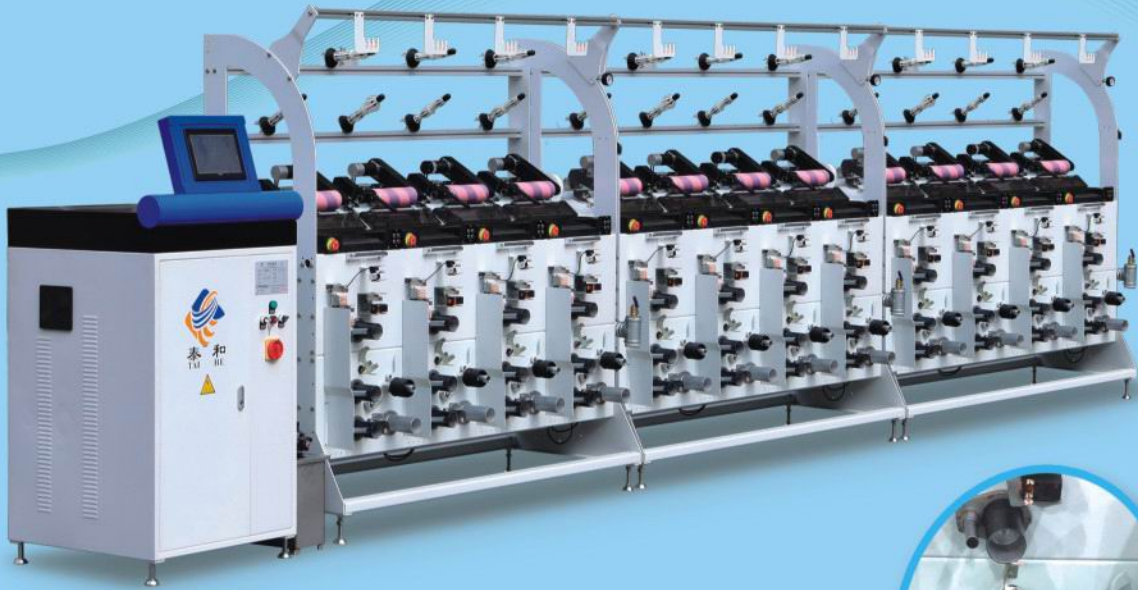
Soft unwinding machine
松式主动退绕

- 既可以精密络筒，又可以主动退绕，将络筒与倒筒实现完美的结合。增强了机器的便捷性与操作性，提升机器的利用率。同时也节约了资源。
- Both can do in precision and unwinding, Perfect combined two functions into one machine. Machine is become much more convenience and operability. Also it approved machine availability, saved resources.

TECHNICAL PARAMETER

卷绕形式	精密卷绕/电子卷绕	Types of winding	Precision winding/Electronic winding
机械速度	1200米/分 (工艺速度取决于工艺参数)	Mechanical speed	up to 1200m/min(process speed depends on process parameters)
卷装形状	直/斜边任意幅度可调	Package shape	Freely programmable
横动长度	155—210毫米	Traverse length	155MM—210MM
卷装直径	180毫米—200毫米	Package diameter	180MM—200MM
卷装重量	可达2KG(取决于纱线的粗细)	Package weight	up to 2kg (Depends on the thickness of the yarn)
供纱卷装直径	可达320毫米	Supply package diameter	up to 320 MM
使用原料	涤纶长丝、高弹丝、腈纶长丝	Yarns	Polyester filament,Elastic yarn,Acrylic filament
卷取筒管	0°—5°57'	Take-up tubes	0°—5°57'
布置	单面机	Layout	Single sided machine
每节锭数	5锭	N° of spindles per section	5
最小/最大锭数	5/40	Min./Max.N° of spindles	5/40
锭距	495毫米	Gauge	495MM
传动	单锭传动	Drive	Individual
装机功率	550W	Installed power	550W
功率消耗	55W	Power consumption	55W
卷绕密度	任意设置	Density of winding	Freely program mable
配单锭上油装置	推杆式自动门栓。	With individual oiling device	Push Rod Tension Sensor

Electronic guiding
电子导纱



TH-18

Air covering machine 空气包覆机

- 该机器通过喷嘴的气流打开包覆长丝，使其包裹在纱线四周。而速度同步的三个罗拉，也使得纱线的张力得到很好的控制。新技术的运用也使得该机器缩减了能源消耗。
- By using Air jet to open yarn, make them cover the mid yarn. Three Synchronous roller help a lot in yarn tension. Also the new technology will help reducing resource.

TECHNICAL PARAMETER

卷绕形式	精密卷绕/电子卷绕	Types of winding	Precision winding/Electronic winding
机械速度	1200米/分 (工艺速度取决于工艺参数)	Mechanical speed	up to 1200m/min(process speed depends on process parameters)
卷装形状	直/斜边任意幅度可调	Package shape	Freely programmable
横动长度	155-260毫米	Traverse length	155-260MM
卷装直径	180毫米-200毫米	Package diameter	180MM-200MM
卷装重量	可达2KG(取决于纱线的粗细)	Package weight	up to 2kg (Depends on the thickness of the yarn)
供纱卷装直径	可达320毫米	Supply package diameter	up to 320 MM
使用原料	涤纶, 锦纶, 氨纶	Yarns	Polyester, Nylon, Acrylic yarn
空包范围	一股纱包弹性纱。	Cover scope	One strand yarn covering elastic yarn.
卷取筒管	0°-5°57'	Take-up tubes	0°-5°57'
布置	单面机	Layout	Single sided machine
每节锭数	4锭	N° of spindles per section	4
最小/最大锭数	4/40	Min./Max.N° of spindles	4/40
锭距	400毫米	Gauge	400MM
罗拉个数	3个	Roller number	3pcs
传动	单锭传动	Drive	Individual
装机功率	400W	Installed power	400W
功率消耗	50W	Power consumption	50W
卷绕密度	任意设置	Density of winding	Freely program mable

Electronic guiding
电子导纱



TH-20A

Stretch setting machine

牵伸定型机

- 牵伸定型机采用国际先进的电子排纱技术，各罗拉速度可分别控制，启停又能同步到位技术，采用线圈产生的涡流加热，使能耗大大节省，效率显著提高，集加热、牵伸、排线、任意可调的优点。
- Stretch setting machine is applied with most advanced technology of electronic pattern. Each feeder is individual and single control, Also it can make feeders stop/start synchronous. Heating by coil vortex, it can save resource and increase efficiency. Combine heating, setting and pattern freely programmable.

TECHNICAL PARAMETER

卷绕形式	精密排线，等角度排线	Types of winding	Precision cable, equal angle cable
机械速度	1200米/分（工艺速度取决于工艺参数）	Mechanical speed	up to 1200m/min (process speed depends on process parameters)
卷装形状	直/斜边任意幅度可调	Package shape	Freely programmable
横动长度	40-260 毫米	Traverse length	40-260MM
卷装直径	40-280 毫米	Package diameter	40-280MM
卷装重量	可达2KG(取决于纱线的粗细)	Package weight	up to 2kg (Depends on the thickness of the yarn)
供纱卷装直径	200 毫米	Supply package diameter	up to 200MM
使用原料	尼龙长丝线	Yarns	Nylon filament yarn
牵伸范围	取决于工艺速度和纱线品种	Draft range	Depending on process speed and yarn variety
卷取筒管	0°-6°	Take-up tubes	0°-6°
布置	单面机	Layout	Single sided machine
每节锭数	5锭	N° of spindles per section	5
最小/最大锭数	5/30	Min./Max.N° of spindles	5/30
锭距	440 毫米	Gauge	440MM
罗拉个数	2-3可选	Roller number	2-3 optional
罗拉功率	160W/个	Roller power	160W per pc
加热线圈	1-2可选	Heating coil	1-2 optional
线圈功率	500W/个	Coil power	500W per/pc
传动	单锭传动	Drive	Individual
装机功率	1000W-1680W	Power consumption	1000W-1680W
卷绕密度	可调	Density of winding	Freely program mable



TH-20B

Stretch setting machine

牵伸定型机

- 牵伸定型机采用国际先进的电子排纱技术，各罗拉速度可分别控制，启停又能同步到位技术，采用线圈产生的涡流加热，使能耗大大节省，效率显著提高，集加热、牵伸、排线、任意可调的优点。
- Stretch setting machine is applied with most advanced technology of electronic pattern. Each feeder is individual and single control, Also it can make feeders stop/start synchronous. Heating by coil vortex, it can save resource and increase efficiency. Combine heating, setting and pattern freely programmable.

TECHNICAL PARAMETER

卷绕形式	精密排线，等角度排线	Types of winding	Precision cable, equal angle cable
机械速度	1200米/分 (工艺速度取决于工艺参数)	Mechanical speed	up to 1200m/min(process speed depends on process parameters)
卷装形状	直/斜边任意幅度可调	Package shape	Freely programmable
横动长度	40-260 毫米	Traverse length	40-260MM
卷装直径	40-280 毫米	Package diameter	40-280MM
卷装重量	可达2KG(取决于纱线的粗细)	Package weight	up to 2kg (Depends on the thickness of the yarn)
供纱卷装直径	200 毫米	Supply package diameter	up to 200MM
使用原料	尼龙长丝线	Yarns	Nylon filament yarn
牵伸范围	取决于工艺速度和纱线品种	Draft range	Depending on process speed and yarn variety
卷绕筒管	0°-6°	Take-up tubes	0°-6°
布置	单面机	Layout	Single sided machine
每节锭数	5锭	N° of spindles per section	5
最小/最大锭数	5/30	Min./Max.N° of spindles	5/30
锭距	440 毫米	Gauge	440MM
罗拉个数	2-3可选	Roller number	2-3 optional
罗拉功率	160W/个	Roller power	160W per pc
加热线圈	1-2可选	Heating coil	1-2 optional
线圈功率	500W/个	Coil power	500W per/pc
传动	单锭传动	Drive	Individual
装机功率	1000W-1680W	Power consumption	1000W-1680W
卷绕密度	可调	Density of winding	Freely program mable

Electronic guiding
电子导纱



TH-21A

Automatic winding machine
全自动绕线机

宝塔管全自动的绕线设备TH-21A，实现自动化的运转，提高生产效率，节省了人工，为企业降低支出。机器配备尾纱电子控制固定装置及恒温上油配置，使纱线更完美。

TH-21A is fully automatic cone winding machine. With automatically tube replacement. Machine efficiency is highly improved. It also save too much labor cost.

Machine equip electronically controlled tuck-in device and constant temperature oiling configuration, make the yarn perfect.

TECHNICAL PARAMETER

卷绕形式	精密卷绕	Types of winding	Precision crosswind
机械速度	最高可达1200 米/分钟 (工艺速度取决于工艺参数)	Mechanical speed	Up to 1200 m/min (process speed depending on process parameters)
卷装形状	宝塔管	Package shape	Cones
横动长度	3-6英寸	Traverse length	3-6 inch
卷曲筒管	1° 30' -5° 57' 顶部直径≥18mm	Take-up tubes	Cones with a conicity from 1° 30' up to 5° 57' ; tip diameter ≥ 18 mm
卷曲直径	可达100mm	Take-up package diameter	Up to 100mm
供纱直径	可达320mm	Supply package diameter	Up to 320mm
适用纱线	短纤缝纫线/包芯线, 变形丝, 工业线, 特种线	Yarns	Spun thread / core spun, textured filament, technical thread, special thread
支数	可达3300dtex	Count	Up to 3300 dtex
单面机	单面机	Layout	Single sided
每节锭数	5	N° of spindles per section	5
最小/最大锭数	5 / 40	min./max. N° of spindles per machine	5 / 40
上油最大锭数	20	max. N° of spindles per oiling system	20
锭距	440 mm	Gauge	440 mm
驱动	单锭独立双驱动	Drive	Individual two drive system per spindle
装机功率	1.4 kW (5 锭)	Installed power	1.4 kW (5 spindles)
压缩空气	6 巴	Compressed air	6 bar



TH-21Y Automatic winding machine 全自动绕线机

TH-21Y 全自动绕线机为喇叭管专属定制设备，其生产性能在全球范围内位居前列。机器由世界先进的电子导纱系统控制，可以实现对于纱线交叉角、横动距离及卷装尺寸的便捷控制。

TH-21 Automatic sewing thread machine designed for Kingspool winding, and it's with top production performance worldwide. Machine controlled by advance technology—Electronic guiding system, it makes easy to change crossing angle, traverse length and take-up package.

TECHNICAL PARAMETER

卷绕形式	精密卷绕	Types of winding	Precision crosswind
机械速度	最高可达1200 米/分钟 (工艺速度取决于工艺参数)	Mechanical speed	Up to 1200 m/min (process speed depending on process parameters)
卷装形状	喇叭管 (锥度可达2°)	Package shape	Kingspools (up to 2° conicity)
横动长度	2.5-4英寸 (无级可变, 基础直径可达105mm)	Traverse length	2"...4" (infinitely variable, base diameter up to 105 mm)
卷曲筒管	平行或锥形喇叭管, 锥度可达2°	Take-up tubes	Cylinder or conical kingspools (up to 2° conicity)
卷曲直径	可达100mm	Take-up package diameter	Up to 100 mm
供纱直径	可达300mm	Supply package diameter	Up to 300 mm
适用纱线	加捻长丝/蚕丝线/人造丝线	Yarns	Twisted filament, Silk thread, Rayon thread
支数	可达3300dtex	Count	Up to 3300 dtex
单面机	单面机	Layout	Single sided
每节锭数	5	N° of spindles per section	5
最小/最大锭数	5 / 40	min./max. N° of spindles per machine	5 / 40
上油最大锭数	20	max. N° of spindles per oiling system	20
锭距	440 mm	Gauge	440 mm
驱动	单锭独立双驱动	Drive	Individual two drive system per spindle
装机功率	1.4 kW (5 锭)	Installed power	1.4 kW (5 spindles)
压缩空气	6 巴	Compressed air	6 bar



TH-8H Hard winding machine 紧式络筒机

- TH-8H用于织造、经编和圆机针织的准备。主要部分的技术改进和应用，使纱线通道达到了最优化和卷绕系统的简化。坚固的结构和耐久的技术，可将保养和维护费用减至最低。适用于多种类型短纤纱的络纱。旋转式自清洁纱线张力器和上干蜡装置将纱线磨擦减至最小。
- The TH-8H is a cone to cone winding machine for the preparation of weaving, warp knitting and circular knitting process. Innovative solutions, rugged technology and application of the essential allow an optimization of the thread path and the simplification of the winder. The robust and enduring technology cuts maintenance and service expenses down to a minimum. The TH-8H allows the adaptation of the winding to various types of staple yarns. Rotating self-cleaning tension device and dry waxer reduce yarn friction to a minimum.



TECHNICAL PARAMETER

型式	双面
锭数	36、48、60、72、84、96
锭距	370mm
锭速	300-1200mm
络筒范围	棉、毛、人棉、涤纶
容量	152x290mm
电机种类	交流电机或直流电机
电机功率	0.09kw
外形尺寸(长x宽x高)	2130x900x1500mm

Type	double sided
Number of spindle	36、48、60、72、84、96
Distance between spindles	370mm
Speed of spindles	300-1200mm
Range of coning	Cotton, Wool
Capacity	152x290mm
Motor	AC or Dcmotor for choice
Motor power	0.09kw
Size(LxHxW)	2130x900x1500mm



TH-8S

Soft winding machine

松式络筒机



- TH-8S型松式,紧式槽筒子机是一种多用途的高速槽筒子机适用于各种纱线的松式和紧工络筒。它可以用不同性质原料的纱线,如全棉、涤棉、涤纶、锦纶、毛等络筒、并配有单锭针长、断纱自停、电脑防叠和横动装置,单锭停机指示灯,同时也可配置高效除尘系统,而具有产量高、损耗少、密度均、噪音低、操作便捷等优点,悬筒染行业的最佳选择。

- TH-8S loose and tight grooved roller is kind of multi functional high-speed machine which is used for loose and tight winding for all kinds of yarns. This machine functions as a winder for the yarns with different properties, such as full cotton, poly cotton, terylene, nylon and fur. It is equipped with single spindle needle, automatic thread stop, computerized prevention fold control and traverse devices as well as high efficient dust-reduction system. The machine features high production, low consumption, even density, little noise and convenient operation etc. It is the best choice for cylinder dyeing industry.

TECHNICAL PARAMETER

型式	双面	Type	double sided
锭数	36、48、60、72、84、96	Number of spindle	36、48、60、72、84、96
锭距	370mm	Distance between spindles	370mm
锭速	300-1200mm	Speed of spindles	300-1200mm
络筒范围	棉、毛、人棉、涤纶	Range of coning	Cotton, Wool
容量	152x290mm	Capacity	152x290mm
电机种类	交流电机或直流电机	Motor	AC or Dcmotor for choice
电机功率	0.09kw	Motor power	0.09kw
外形尺寸(长x宽x高)	2130x900x1500mm	Size(LxHxW)	2130x900x1500mm



TH-8X

Doubler winding machine

并纱络筒机

- TH-8X是一种多用途高速槽筒拼纱机,适用于各种纱线的多根拼纱络筒,可以用不同性质原料的纱线,如全棉、涤棉、涤纶、锦纶等拼纱络筒。并配有单锭计长、自动切纱、断纱自停、电脑防叠、单锭停机指示灯,同时也可配置高效除尘系统,该机具有产量高、损耗少、噪音低、操作便捷等优点,是拼纱行业的最佳选择。

- TH-8X is kind of multifunctional high-speed machine which is used for doubling of various kinds of yarns. The machine functions as a doubler for the yarns with different properties, such as full cotton, poly cotton, terylene, and nylon. It is equipped with yarn length coner for each spindle, automatic yarn cutting, automatic thread stop, computerized prevention and traverse devices, single spindle stop lights, as well as high efficient dust-reduction system. The machine features high production, low consumption, little noise and convenient operation etc. It is the best choice for doubling industry.



Description 特性:

- 传动装置、每锭机头一台同轴电机。
- 速度调节、触摸式电脑调节。
- 筒管、可用平直管、3° 30'、5° 57'
- Gearing: one coaxial motor for each head.
- Speed regulation: computer touch pad/ screen.
- Reader taper: 0°, 3°30', 5°57'.

TECHNICAL PARAMETER

型式	双面	Type	double sided
锭数	36、48、60、72、84、96	Number of spindle	36、48、60、72、84、96
锭距	370mm	Distance between spindles	370mm
锭速	300-1200mm	Speed of spindles	300-1200mm
络筒范围	棉、毛、人棉、涤纶	Range of coning	Cotton, Wool
容量	152x290mm	Capacity	152x290mm
电机种类	交流电机或直流电机	Motor	AC or Dcmotor for choice
电机功率	0.09kw	Motor power	0.09kw
外形尺寸(长x宽x高)	2130x900x1500mm	Size(LxHxW)	2130x900x1500mm
并纱根数	2-5根	Number of yarns	2-5strands

TH-9A



TH-9C

粗纱花纹排列络筒机
High count pattern winding machine



Soft winding machine 、Cone to cone 松式/紧式络筒机、筒倒筒

- TH-9A型络筒机适用于各种丝、麻、纱、线等原料的松、紧式络筒，具有国际先进络筒机的优点，单锭，单电机，单变频多项技术有新的突破。实现产量高，损耗少，噪音低，维修简单
- TH-9A winding machine is applicable to soft and hard winding for all kinds of silks, yarns and threads. It shows the features of international advanced winding machine, and has new technological breakthroughs on single spindle, single motor and single frequency conversion. This machines features high production, low consumption, low noise and easily repaired

TECHNICAL PARAMETER

卷绕形式	精密卷绕	Types of winding	Precision winding
机械速度	可达600米/分 (工艺速度取决于工艺参数)	Mechanical speed	up to 600m/min (process speed depends on process parameters)
卷装形状	直斜边幅度任意可调	Package shape	freely programmable
横动长度	147-250毫米无级可变	Traverse length	147-250 mm infinitely variable
卷装直径	可达180毫米	Package diameter	up to 180MM
卷装重量	可达2千克 (取决于纱线的粗细)	Package weight	up to 2 kg (Depends on the thickness of the yarn)
供纱卷装直径	可达320毫米	Supply package diameter	up to 320mm
适用范围	短纤纱,单丝,变形长丝,中等旦数的工业丝 (真丝或加捻长丝根据要求提供)	Yarns	Textured or flat filaments, elastic yarns, silk, staple yarns, fine technical yarns
卷取筒管	0°-5°57'	Take-up tubes	0°-5°57'
布置	单面机	Layout	Single sided machine
每节锭数	4锭	N° of spindles per section	4
最小/最大锭数	4/60	Min. / max. N° of spindles	4/60
锭距	350毫米	Gauge	350mm
传动	单独传动	Drive	Individual
装机功率	~195伏安	Installed power	~195w per spindle
功率消耗	130W	Power consumption	~130w per spindle
外形尺寸(长x宽x高)	1450x800x1230毫米	Size(LxHxW)	1450x800x1230mm



TH-9B

Hard winding machine、Hank to cone
紧式络筒机、绞倒筒



- 单独驱动方式，操作简单
- 将TPM变化最小化，可适用高品质生产
- 使用Traverse的卷绕机，将起毛头的产生最小化
- 精密的拉力，可进行收缩混合射的卷绕机
- 附带个别装置，可进行个别管理
- The easiest operation with individual Driving system
- A change of the TPM be Small so high quality be right at a yield
- A winding of traverse be small a occurrence an cop kemp
- The winding of the mixed yarn relaxed/contracted by traversed action
- An individual Fixing management with the suitable equipment

TECHNICAL PARAMETER

卷绕形式	精密卷绕	Types of winding	Program
机械速度	可达500米/分(工艺速度取决于工艺参数)	Mechanical speed	up to 500m/min (process speed depending on process parameters)
卷装形状	直斜边幅度任意可调	Package shape	freely programmable
横动长度	147-250毫米无级可变	Traverse length	147-250 mm infinitely variable
卷取卷装直径	可达280毫米	Take-up package diameter	up to 280mm
卷装重量	可达4千克(取决于纱线的粗细)	Package weight	up to 4kg (Depending on the thickness of the yarn)
供纱卷装直径	可达320毫米	Supply package diameter	up to 320mm
使用原料	短纤纱,单丝,变形长丝,中等旦数的工业丝,锦纶面包纱(真丝或加捻长丝根据要求提供)	Yarns	Textured or flat filaments, elastic yarns, silk, staple yarns, fine technical yarns
卷取筒管	平行和3° 30'	Take-up tubes	Cylindrical and conical up to 3° 30' conicity
布置	单面机	Layout	Single sided machine
每节锭数	4锭	N° of spindles per section	4
最小/最大锭数	4/60	Min. / max. N° of spindles	4/60
锭距	350-400毫米	Gauge	350-400mm
传动	单独传动	Drive	Individual
装机功率	~280伏安	Installed power	-280w per spindle
功率消耗	120瓦	Power consumption	-120w per spindle
外形尺寸(长x宽x高)	1450x800x1230mm	Size(LxHxW)	1450x800x1230mm



伸缩纱架
Adjustable Hank



TH-9BS

Hard winding machine、Hank to cone
紧式络筒机、绞倒筒

- TH-9BS络筒机适用于各种棉纱、绣花线等无弹性纱线的退绕，手动调节实现纱架的收缩。该机器具有国际先进络筒机的优点，单锭，单电机，单变频多项技术有新的突破。实现产量高，损耗少，噪音低，维修简单。
- TH-9BS machine is hank to cone hard winding, usually for different type of nonelastic cotton and sewing thread. It shows the features of international advanced winding machine, and has new technological breakthrough on single spindle, single motor and single frequency conversion. This machine features high production, low consumption, low noise and easily repaired.

TECHNICAL PARAMETER

卷绕形式	精密卷绕
机械速度	可达500米/分(工艺速度取决于工艺参数)
卷装形状	直/斜边任意幅度可调
横动长度	147-250毫米无级可变
卷装直径	可达180毫米
卷装重量	可达2千克
供纱卷装直径	可达320毫米
气动伸缩纱架	最大周长1950毫米, 最小周长1000毫米
适用范围	短纤,单丝,变形长丝,中等旦数的工业丝,锦纶面包纱(真丝或加捻长丝)
卷取筒管	0°-5°57'
布置	单面机
每节锭数	4锭
最小/最大锭数	4/60
锭距	350毫米
传动	单独传动
装机功率	~280伏安
功率消耗	120瓦
外形尺寸(长x宽x高)	1450x800x1230毫米

Types of winding	Precision winding
Mechanical speed	up to 500m/min (process speed depends on process parameters)
Package shape	freely programmable
Traverse length	147-250 mm infinitely variable
Package diameter	up to 180mm
Package weight	up to 2kg
Supply package diameter	up to 320mm
Pneumatic hank	Max perimeter 1540mm, Min perimeter 1000mm
Yarns	Textured or flat filaments, elastic yarns, silk, staple yarns, fine technical yarns
Take-up tubes	0°-5°57'
Layout	Single sided machine
N° of spindles per section	4
Min. / max. N° of spindles	4/60
Gauge	350mm
Drive	Individual
Installed power	~280w per spindle
Power consumption	~120w per spindle
Size(LxHxW)	1450x800x1230mm