

CHENG-I

WIRE MACHINERY CO.,LTD.

Integrity
Quality
Innovation



Since 1970

全球专业除锈
拉拔设备制造商

广德正一直线机械有限公司 CHENG I WIRE MACHINERY CO., LTD.

联系人/Contact Person: 王郁智 (John Wang) 手机/Mobile Phone: +86-151-6736-5999

邮箱/Email: sales@cheng-i.com.cn 网址/Website: www.chengiwire.com

地址: 安徽省宣城市广德市经济开发区北区科技路8号

Address: No. 8 Keji Road, North District, Guangde Economic Development Zone,
Xuancheng City, Anhui Province



广德正一直线微信号



广德正一直线公众号



Integrity
Quality
Innovation
Since 1970

公司理念

COMPANY PHILOSOPHY

别人或是我们

- 不可预测的变化或是永久的信赖。
- 最低的价格或是最高的性价比。
- 短期的收益或是稳地的回报。
- 一次性的买卖或是长期获得客户的信赖。

欢迎来到正一直线

这些选择是我们每天的挑战。

努力解决以上差异使我们在技术，创新和质量方面更加茁壮。

超过 45 年的热情和专业在抽线技术的领域上，为我们的客户提供了决定性的优势，我们的经验使您在竞争中处于领先地位。

我们帮助客户充分利用其投资和设备，是我们的核心价值之一，也是正一直线的责任与持续发展的理念。

The other or us

- Unforeseen changes or continuous reliability.
- Best price offers or best price/performance ratio.
- Short-term profit or reliable return.
- One-off sales or long-turn customer satisfaction.

WELCOME TO CHENG I WIRE MACHINERY

These choices are our daily tasks.

Working to resolve these differences has made us stronger, in technology, innovation and quality.

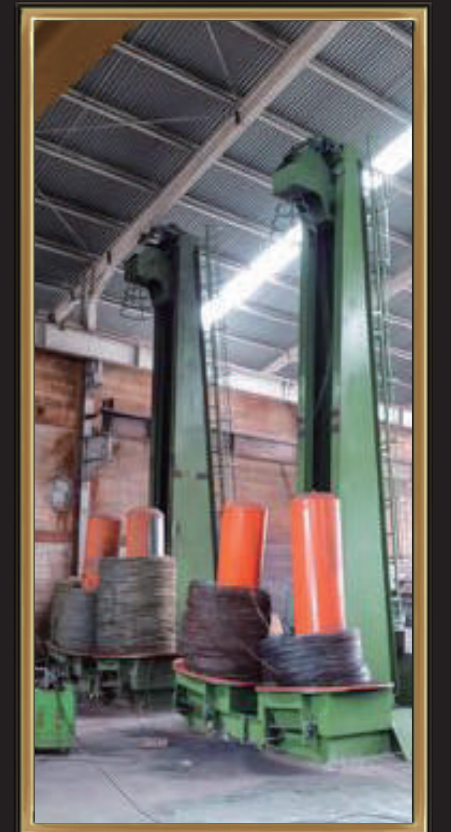
More than 45 years of passion and expertise in wire drawing technologies gives our customers a decisive edge and our experience is here to put you ahead of the competition.

We help our customers get the most out of their investment and our equipment. This is one of our core values and it is Cheng I Wire' s responsibility to continue with this approach.



YOUR SUCCESS IS OUR BUSINESS

Commitment by
Cheng I Wire



DESCALING MACHINE (BENDING)

弯曲除锈机

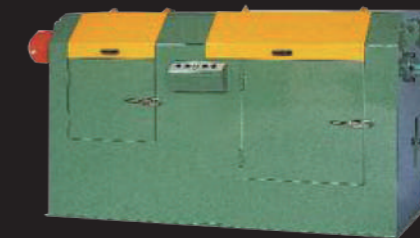
■ SDC-7N

■ SDC-10T



■ SDC-12AGF

■ SDC-16AGF



model	SDC-7N	SDC-10T	SDC-12AGF	SDC-16AGF
Wire range	5.5~6.5mm	5.5~10mm	5.5~12mm	5.5~15mm

- 线材经过上下左右弯曲，去除表面氧化壳。
- 坚固的焊接结构。
- 工作线径最高可达 $\Phi 16\text{mm}$ 。
- 机台内包含 3 - 5 弯曲轮。
- 弯曲轮内安装钨钢轮。
- 含动力送线设备。(SDC-12AGF/16AGF)
- 弯曲轮可调整角度。(SDC-12AGF/16AGF)

- Wire Pre-treatment: Used to remove mill scale and surface oxidation.
- Rugged welded construction.
- Wire working ranges up to $\Phi 16\text{mm}$.
- Supplied with 3 or 5 orthogonal bending rollers.
- Tungsten carbide roll inserts.
- Adjustable straightener. (SDC-10T)
- Motorized bending roller adjustment. (SDC-12AGF/16AGF)
- Straight pass through wire rod threading for ease of stringing. (SDC-12AGF/16AGF)

WIRE DESCALING MACHINE 除锈系列

Specifications subject to change without prior notice. *规格如有变更，不另行通知。

ABRASIVE BELT DESCALING MACHINE

砂布除锈机

- SBH-7
- SBH-12



model	SBH-7	SBH-12
Wire range	5.5~7.0mm	5.5~12mm

- 高速单头设计，速度可配合后段伸线机台，达5.0米/每秒。
- 适用于所有在线抽线设备。
- 涵盖完整的线材尺寸/入线速度，以及线材表面的光泽度需求。
- 模块化设计容易安装，可安装多个单元于线材生产线上，以满足不同的线材表面处理需求。
- 友善的操作界面使设备容易使用，并有效优化生产的便利性。
- 提供集尘设备。
- High-Speed Single Head design for perfect abrasive sanding at speeds up to 5.0 m/s.
- SBH descalers are designed for low, medium, high carbon and stainless-steel rod.
- Suitable for all in-line wire drawing applications. Including the complete range of rod diameters, inlet speeds, and surface finish requirements.
- Modular construction for ease of instruction. Multiple units may be installed in-line for progressive rod surface finish applications.
- Operator friendly control panel and convenient access doors for superior productivity and ease of use.
- Supplied with dust collector.

DESCALING / CLEANING MACHINE (BRUSHING)

钢刷除锈机

- SDC-7B2
- SDC-10B2
- SDC-16B2



model	SDC-7B2	SDC-10B2	SDC-16B2
Wire range	5.5~6.5mm	5.5~10mm	5.5~15mm

- 设计去除线材表面的氧化和松散的氧化皮。
- 4个钢刷围绕线材周围转动，达到线材表面清洁效果。
- 刷子可自动压紧线材。
- 可安装不同形式刷子，以满足不同的线材表面处理需求。
- 提供集尘设备。
- Wire pre-treatment by motorized orbital brushing.
- Designed to remove surface oxidization and loose scale from the wire rod surface.
- Wire working ranges up to $\Phi 16$ mm.
- Brushes automatically adjusts to the input wire diameter size.
- Different types of brushes can be installed to accommodate special surface treatment.
- Supplied with dust collector.

DRY COATING UNIT

润滑粉被覆机

■ LCS-7

■ LCS-16



model	LCS-7	LCS-16
Wire range	5.5~7.0mm	5.5~15mm

- 线材通过润滑粉槽，将润滑粉覆盖在线材表面上。
- 润滑剂通过动力输送系统，输送到涂层室。
- 适用于生产冷轧线材和异型线材。

- A lubricant application system to applies a film of dry-lubricant to wire rod for the cold rolling process.
- The lubrication is transported to the coating section by means of a motorized conveyor system.
- The rod passes straight through the system while a consistent film of lubricant is applied to the wire rod.
- Suitable to produce cold-rolled smooth or deformed wires.

WATER CLEAN, WET COATING & DRYING UNIT

水清洁/披膜干燥机



■ WCS-10M

■ WCS-16M

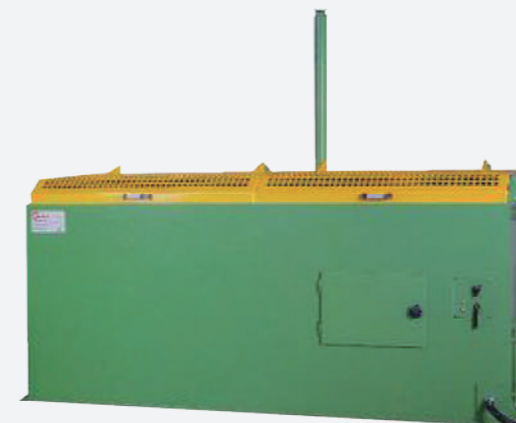
model	WCS-10M	WCS-16M
Wire range	5.5~10mm	5.5~15mm

- 线材通过高压水流，清洁表面残留氧化壳。
- 配合被膜烘干机使用。
- 废水通过铁粉分离机将可被回收及再次利用。
- 不锈钢制水槽内含加热器，可将水加热至合适清洗温度。
- High-pressure aqueous surface cleaning system.
- Combined wet coating (lubricant carrier) and drying.
- Environmentally friendly, effective and economic.
- Extensive control functions for a safe, repeatable process and low energy consumption.

model	WCS-10	WCS-16
Wire range	5.5~10mm	5.5~15mm

■ WCM-10

■ WCM-16



- 可使过硼砂，石灰或是特殊润滑粉，将线材表面涂层。
- 采用直接通过干燥方式，线材经过加热器烘干。
- 线材直接通过加热室，设有定时功能，能在每天上班前自动将水温加热至工作温度。
- Pre-coatings can be borax, salt coating, or specialty non-reactive pre-coatings.
- Direct in-line drying of wire rods by convection heating.
- Extensive control functions for a safe, repeatable process and low energy consumption.

DRAWING MACHINE

抽线机系列

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STRAIGHT LINE WIRE DRAWING MACHINE

直线式伸线机

■ SCWD-600T



model	SCWD-300	SCWD-400	SCWD-600	SCWD-700	SCWD-800	SCWD-900
Wire range	≤ 2.0mm	≤ 3.2mm	6.5~5.5mm	≤ 8.0mm	≤ 10mm	≤ 13mm
Capstan Dia.	Ø300	Ø400	Ø600	Ø700	Ø800	Ø900

- 适合低/中/高碳钢线，不锈钢线或合金线材。
- 可提供2至16道配置。
- 专属线胴冷却系统，提供极高的冷却能力。
- 正一直线专属高效率齿轮箱，高达 95% 传动效率。
- 眼模采强制水冷却系统。
- 每一机台安装鼓风机，提供线材额外冷却。
- 可搭配辊轮组使用。
- 线胴表面提供钨钢或陶瓷喷涂。

- Heavy duty - High Speed wire drawing machine.
 - Designed to produce high-quality wire: low, medium, high carbon, stainless, zinc coated wire or alloy wire.
 - Configurations from 2-16 drafts.
 - Capstan diameters from 300mm to 900mm.
 - Dancer-arm speed control.
 - High-efficiency Cheng I Wire patented gearbox. (>95% through the entire speed range.)
 - Optional induction hardened, ceramic or tungsten carbide coating capstans.
 - Capstans provided with Cheng I Wire's superior and patented capstan cooling technology.
 - Die boxes prepared for single or double dies, normal or pressure dies.
 - Direct or indirect water-cooled dies.
 - Optional supplemental air cooling of the wire.
 - No specialized foundation required.
- Other general equipment depending on customer requirements:
- Laser gauge
 - Vibration dampening rollers.
 - Custom software packages for supervisory control and data acquisition
 - Rolling cassettes to produce smooth, round or sharpened wires.
 - Rolling cassettes to produce cold-rolled concrete wire.
 - Wet drawing cassette for the bright wire.
 - Rotating die boxes for the precision wire.

SINGLE DRAFT OTO DRAWING MACHINE

单模过杆式伸线机

■ DCD-600H



model	DCD-400H	DCD-600H	DCD-760H
Wire range	≤ 3.2mm	5.5~6.5mm	5.5~9.0mm
Capstan	400mm	600mm	760mm

- 适用高 / 低碳钢线材。
- 模块化设计，可通过增加机台达到扩充效能。
- 专属高效率齿轮箱，高达 95% 传动效率。
- 线胴表面提供钨钢喷涂。
- 专属线胴冷却系统，提供极高的冷却能力。
- 眼膜盒采取强制式水冷，可强力冷却眼膜。
- 眼膜盒可搭配基本单模或是双模压力模使用。
- 机台安装鼓风机，提供线材额外空气冷却。
- For low carbon and high-carbon wire.
- Modular design and scalable by adding additional units.
- High-efficiency Cheng I Wire patented gearbox. (>95% through the entire speed range.)
- Tungsten carbide coating capstan.
- Water cooled capstan and direct or indirect water-cooled dies.
- Die boxes prepared for single or double dies, normal or pressure dies.
- Optional supplemental air cooling of the wire.

DOUBLE DRAFT OTO DRAWING MACHINE

双模过杆式伸线机

■ DCD-600/460H



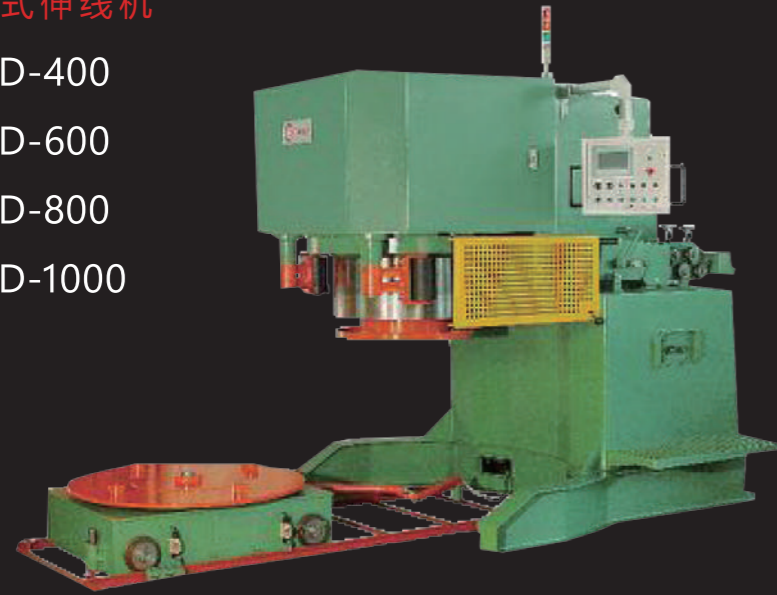
model		DCD-400/320	DCD-600/460
Wire range		≤ 3.2mm	5.5~6.5mm
Capstan	Upper	400mm	600mm
	Lower	300~320mm	430~480mm

- 适用低碳钢线材。
- 模块化设计，可通过增加机台达到扩充效能。
- 线胴表面提供钨钢喷涂。
- 专属高效率齿轮箱，高达 95% 传动效率。
- 专属线胴冷却系统，提供极高的冷却能力。
- 眼膜盒可搭配基本单模或是双模压力模使用。
- 眼膜盒采取强制式水冷，可强力冷却眼膜。
- 机台安装鼓风机，提供线材额外空气冷却。
- 每一伸线机台可安装两个伸线眼模。
- For low carbon and high carbon wire.
- Modular design and scalable by adding additional units.
- High-efficiency Cheng I Wire patented gearbox. (>95% through the entire speed range.)
- Tungsten carbide coating capstan.
- Die boxes prepared for single or double dies, normal or pressure dies.
- Water cooled capstan and direct or indirect water-cooled dies.
- Optional supplemental air cooling of the wire.
- Each OTO unit is equipped with two (2) draft capability.

INVERTED VERTICAL CAPSTAN WIRE DRAWING MACHINE

倒立式伸线机

- IVD-400
- IVD-600
- IVD-800
- IVD-1000



- IVD-1200
- IVD-1300
- IVD-1400

model	IVD-400	IVD-600	IVD-800	IVD-1000
Wire range	≤ 4.0mm	5.5~8.0mm	5.5~15mm	10~26mm
Capstan	400mm	600mm	650~800mm	800~1000mm

model	IVD-1200	IVD-1300	IVD-1400
Wire range	20~32mm	20~36mm	30~40mm
Capstan	1200mm	1300mm	1400mm

- 单模式拉线机。
- 适用于生产高/低碳钢线、有色金属线、合金钢线。
- 适用于生产各种圆形线、六角线及四角线。
- 线胴表面提供钨钢或高碳钢喷涂。
- 线胴有水冷却系统。
- 可搭配双台车使用。
- 搭配 人机介面，可将生产数据呈现，便利操作者监测及操作设备。
- 提供多种配件可选购，达到提高生产效率及生产质量。

- Single draft wire drawing machine.
- Capable of drawing all types ferrous, non-ferrous and alloy wires.
- Suitable for drawing round, hexagonal and square wires.
- Water cooled capstans and dies.
- Die boxes prepared for single or double dies, normal or pressure dies.
- Single or double position coil take-up.
- HMI for easy operation and monitoring.
- Optional accessories are available to help with the production process.

- 单模式拉线机。
- 适用于生产高/低碳钢线有色金属线、合金钢线。
- 线胴表面提供钨钢或高碳钢喷涂。
- 线胴有水冷却系统。
- 可搭配双台车使用。
- 搭配 人机介面，可将生产数据呈现，便利操作者监测及操作设备。
- 压线轮采油压系统，以达到稳定压制效果。
- 提供自动与半自动油压式夹线器可选购。
- 提供多种配件可选购，达到提高生产效率及生产质量。

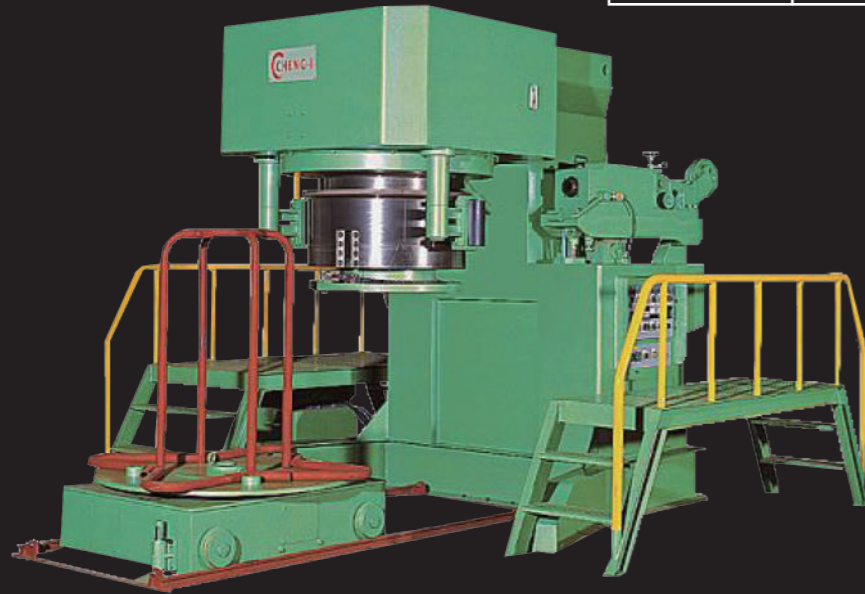
- Single draft wire drawing machine.
- Capable of drawing all types ferrous, non-ferrous and alloy wires.
- Suitable for drawing round wires.
- Die boxes prepared for single or double dies, normal or pressure dies.
- Water-cooled capstans and dies.
- HMI for easy operation and monitoring.
- Optional Hydraulic pressure roller system to control cast.
- Optional automatic or semi-automatic chucking and clipper.
- Optional accessories are available to help with the production process.

INVERTED VERTICAL CAPSTAN WIRE DRAWING MACHINE (DOUBLE DRAFT)

倒立式伸线机(双模式)

■ IVD-640/800

model	IVD-640/800	
Wire range	Single Draft 6.0~15mm	Double Draft 6.0~12mm
Capstan	Upper Capstan 640mm	Lower Capstan 800mm



INVERTED VERTICAL CAPSTAN WIRE ROLLING MACHINE

倒立式伸线机(压花)

■ IVD-800R4

model	IVD-600R	IVD-800R4
Wire range	5.5~8.0mm	5.5~13mm
Capstan	600mm	800mm



- 单模/双模拉线机。
 - 眼模盒座可透过油压升降系统，调整搭配单模或双模使用。
 - 适用于圆线。
 - 线胴表面提供钨钢或高碳钢喷涂。
 - 线胴有水冷却系统。
 - 可搭配双台车使用。
 - 搭配人机界面，可将生产数据呈现，便利操作者监测及操作设备。
 - 提供多种配件可选购，达到提高生产效率及生产质量。
- Double draft wire drawing machine.
 - Capable of drawing ferrous and alloy wire.
 - Suitable for drawing round wires.
 - Water cooled capstan.
 - Water cast and helix adjusted in the die.
 - Direct water-cooled dies.
 - HMI for easy operation and monitoring.
 - Equipped for a single (1) or double (2) draft.
 - Optional accessories are available to help with the production process

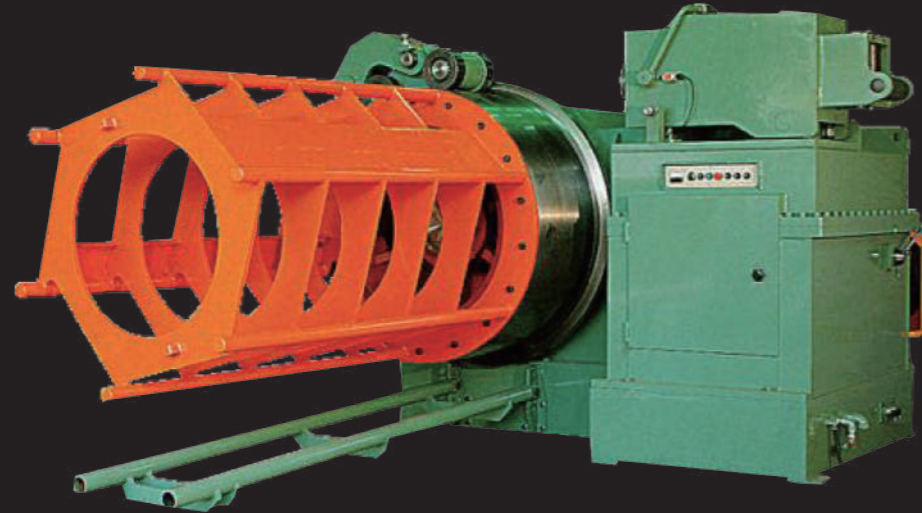
- 单模搭配压花滚轮拉线机。
 - 适用于圆线或压花线材。
 - 线胴有水冷却系统。
 - 线胴表面提供钨钢或高碳钢喷涂。
 - 可搭配双台车使用。
 - 搭配人机界面，可将生产数据呈现，便利操作者监测及操作设备。
 - 可搭配除锈机使用。
 - 提供多种配件可选购，达到提高生产效率及生产质量。
- Single draft machine equipped with a cool-rolling cassette.
 - Designed to produce smooth or deformed reinforcing steel.
 - Water cooled capstan.
 - Wire cast and helix adjusted at the cassette.
 - Single or double position coil take-up.
 - HMI for easy operation and monitoring
 - Equipped with an integrated descaling machine.
 - Optional accessories are available to help with the production process.

HORIZONTAL WIRE DRAWING MACHINE

卧式伸线机

■ HWD-1500BC

■ HWD-1300



model	HWD-1050	HWD-1300	HWD-1500
Wire range	20~30mm	20~36mm	30~50mm
Capstan	1050mm	1300mm	1500mm

- Single draft wire drawing machine.
- Developed for heavy wires. Capable of drawing all type of ferrous and alloy wires.
- Wire working range up to 50 mm.
- Capstans from 1050 to 1500 mm.
- Block pull from 200,000 N to 500,000 N.
- Water cooled drawing die.

- Direct water-cooled drawing die.
 - Two speed gearbox for the perfect balance of speed performance and production process.
- Optional accessories are available to help with the production process.
- Integrated wire pay-off, pre-straightening and feeding unit.
 - Integrated shaving-pointing machine.

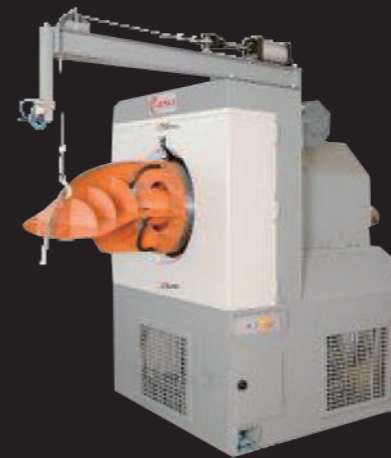
- 单模式卧式拉线机。
- 适合低 / 中碳钢及合金钢线。
- 适用于 30mm 至 50mm 线材。
- 眼模盒有水冷却系统。
- 有两段速度可供调整，以满足不同线径生产需求。
- 提供多种配件可订购，达到提高生产效率及生产质量。

- 可搭配线头车削装置使用。
- 可搭配送线装置使用。
- 可选配可倾翻式收料线架。
- 可选配油压式夹头。
- 可选配有动力式压线轮。
- 可选配线径大小控制装置。

HIGH SPEED COILERS - HORIZONTAL CAPSTAN

收线机

■ NSC-600DW ■ NSC-600



- 提供300mm至900mm尺寸的线胴选择。
- 提供抽线眼膜或无抽线眼膜选择。
- 线胴表面有碳化钨喷涂，强化线胴表面硬度及使用寿命。
- 线胴与眼膜有水冷却系统（有眼膜式）。
- 提供线材线圈大小与间隙调整轮。
- 提供风冷却系统，达到冷却线材表面需求。
- 可搭配不同排线设备达到排线需求。

model	NSC-300	NSC-400	NSC-400DW	NSC-600	NSC-600DW	NSC-700	NSC-760	NSC-760DW
Finished wire	0.7~2.4mm	1.0~3.2mm	0.9~3.2mm	1.6~4.5mm	1.6~4.2mm	2.6~5.5mm	3.2~6.0mm	3.2~6.0mm

DRAWING COILER FOR SKIN-PASS DRAFTING

精抽收线机

■ NSC-600S

model	NSC-400S	NSC-600S	NSC-700S
Wire range	0.8~2.4mm	2.1~4.5mm	3.0~5.5mm
Capstan	400mm	600mm	670/700mm



- 精抽收线机适用于球化线材精抽之用。
- 设有定量停止装置。
- 附有气压升降式供线设备。
- The skin-pass coiler used for drawing CHQ and other ferrous alloy wires.
- Integrated advanced control, length measurement, and monitoring.
- Equipped with pneumatic "goose neck" lift for continuous production when changing carriers wire feeder.
- Accumulation system available for a non-stop production.

TAKE-UP COILER 收线机系列

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OVERHEAD PAY-OFF TOWER WITH TILTING LOAD TABLES

倾翻供线柱

■ PWR-7 ■ PWR-15



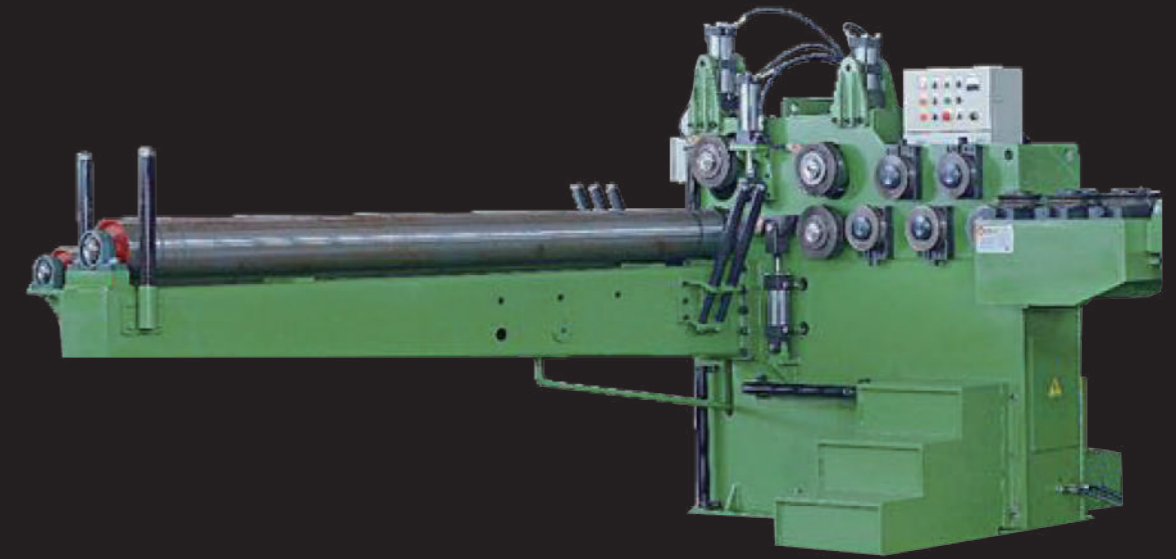
model	PWR-7	PWR-15
Wire range	5.5~8.0mm	5.5~13mm
Loading capacity	2,300kgs	2,300kgs

- 适用中、低碳钢线、不锈钢、合金钢线。
- 两个翻转倾斜杆，可方便原料线材装载。
- 设备高度可定制化从5-12mm。
- 缠线和断线检知器。
- 两捆盘元线头线尾可提前焊接，连续供料。
- PWR Series pay-offs are designed for medium carbon, low carbon, and stainless-steel wire rods.
- Rod inlet Ø from 4.75 up to 15 mm.
- Pay-off speeds up to 7.0 m/s, depending upon pay-off model.
- Height can be customized from 5-12 meters or as required.
- The continuous operation allows for coil head-to-tail butt welding.
- Ergonomic wire threading.
- Two tilting stems for easy coil loading.
- Snarl switch and wire rod break sensor.

WIRE PAY-OFF, PRE-STRAIGHTENING AND FEEDING UNIT

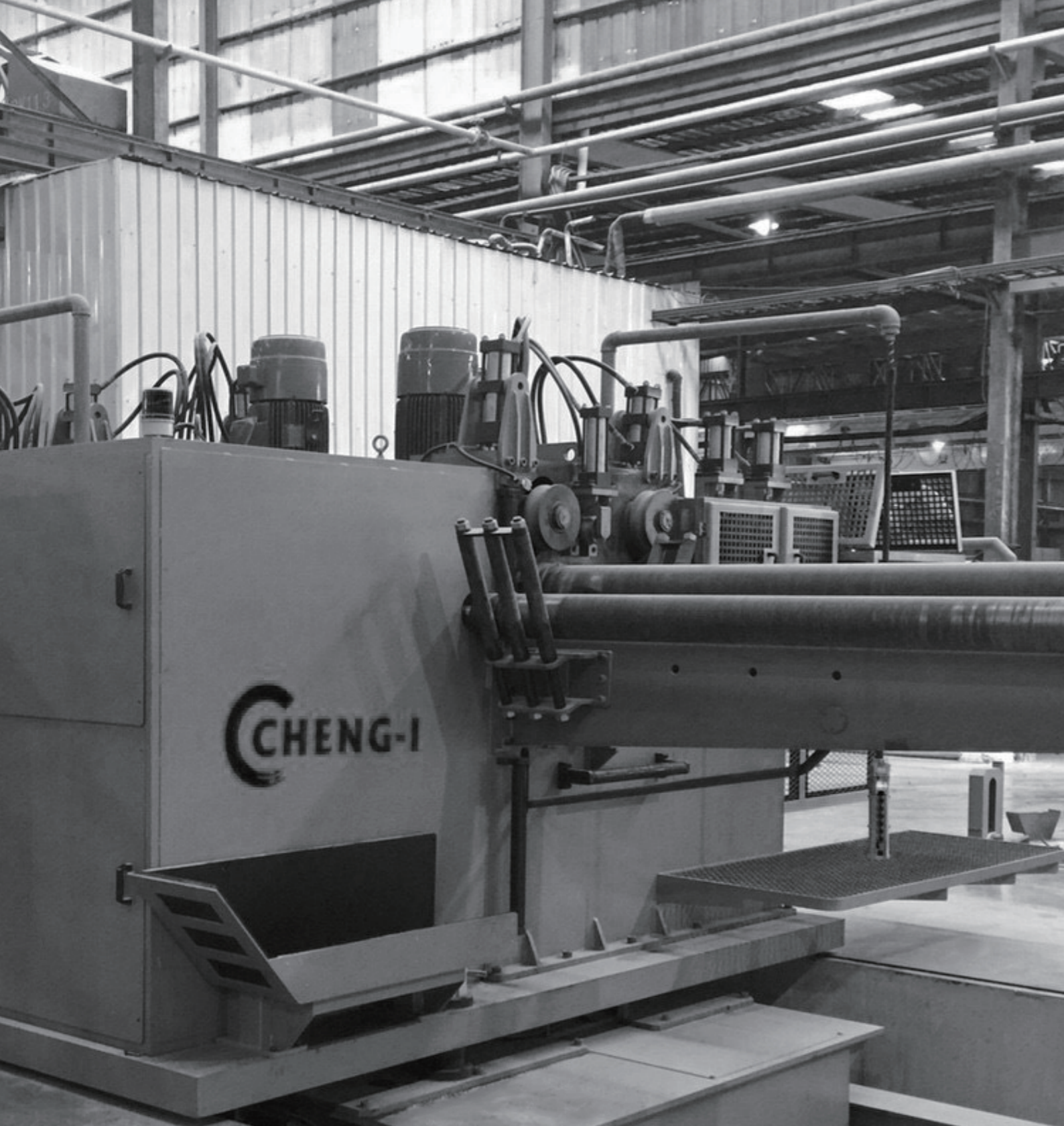
横式送线机

■ WDM-22 ■ WDM-35
 ■ WDM-45 ■ WDM-50



model	WDM-22	WDM-35	WDM-45	WDM-55
Wire range	10~22mm	20~35mm	30~45mm	30~50mm

- 设备包含送线、线头及线材矫直功能。
- 适用20mm至50mm之盘元线径。
- 含水平、垂直矫直轮，使线材平直到下一制程。
- 可提供双臂旋转供线台与切断装置。
- Includes feeding, straightening Wire.
- Wire working range up to 50 mm.
- Vertical and horizontal straightening rollers are equipped.
- It can be supplied with a rotating base, in the double-arm version and equipped with a wire cut-off device.



**PAY-OFF
MACHINE** 放线系统

Specifications subject to change without prior notice. * 规格如有变更, 不另行通知.

OVERHEAD PAY-OFF

气压升降式供线柱

■ PLW-10



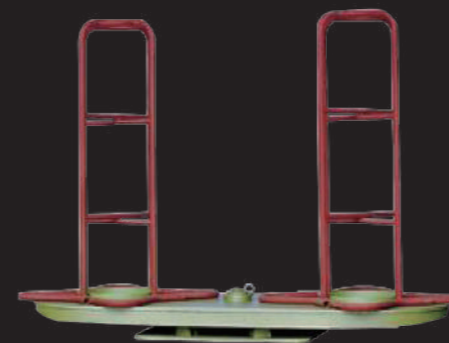
model	PLW-6	PLW-10
Wire range	2.0~3.2mm	5.5~10mm

- 使用气压做升降控制。
- 可连续生产。
- 导线笼可作为导线装置, 也可作为缠线侦测器。
- PLW Pay-off is designed for low, medium, high carbon or stainless wire.
- Pay-off speed depends upon the pay-off model and height.
- Continuous operation.
- Ergonomic wire threading with pneumatic tilting.
- Wire guide cage acts as both a guide and a wire snarl detector.

TWO POSITION WIRE SUPPLY STANDS WITH TURN TABLE

盘元转盘

■ TWS-10



model	TWS-6	TWS-10
Wire range	2.0~3.2mm	5.5~6.5mm

- 两边盘元线头与线尾可相接, 可连续生产。
- 设备转向 180 度后可不停机继续抽线。
- The continuous operation allows for coil head-to-tail butt welding.
- When one side has finished drawing, turn the device 180 degrees to continue the drawing process. Meanwhile, you can load a new wire rod.

HIGH SPEED WIRE STRAIGHTENING & CUTTING MACHINE

高速直线切断机

■ SCM-200 SERIES

■ SCM-300 SERIES



model	SCM-320C	SCM-330C	SCM-210	SCM-220	SCM-230
Cols rolled and Ribbed wire	4.0~10mm	5.0~12mm	4.0~7.0mm	4.0~10mm	4.0~12mm
Hot ribbed wire	4.0~8.0mm	5.0~10mm			
High tensile wire	4.0~9.0mm	5.0~9.0mm			
Speed (M/min)	50~120	50~120	30~140	30~140	30~140
Min. Length	250mm	300mm	200mm	250mm	300mm

- 适用于低碳钢线、合金钢线。
- 剪断长度最长可达12M。
- C/S/F各系列为不同的剪断方式，分别为油压、定剪、飞剪。
- For low, medium, high carbon, stainless, zinc coating wire or alloy wire.
- Cutting length up to 12 meters.
- C / S / F series stand for the different cutting methods, respectively, for the hydraulic, fixed shear and the flying shear.

CUTTING
MACHINE

切断机系列

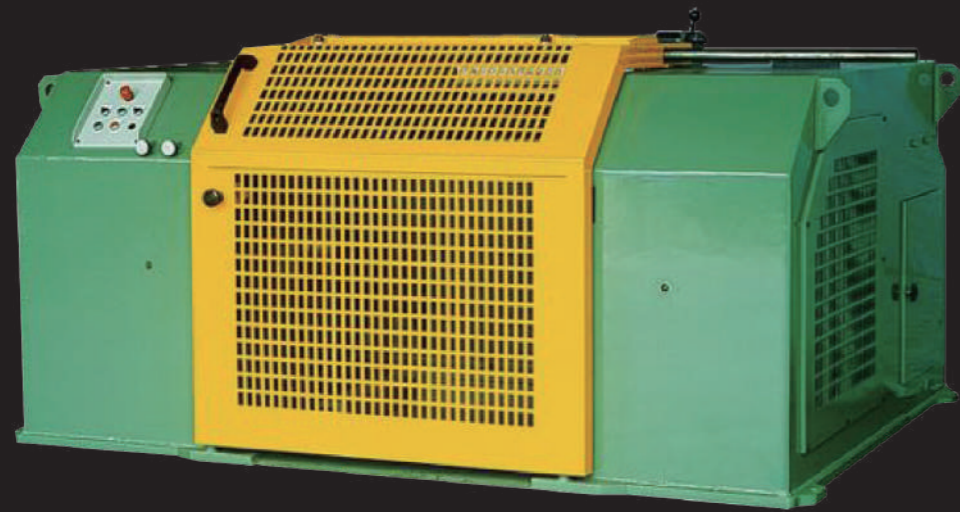
Specifications subject to change without prior notice. * 规格如有变更，不另行通知。

SPOOLER-HORIZONTAL

工字轮卷取机

■ SSPC-1000 ■ SSPC-2000 ■ SSPC-3000

model	SSPC-400	SSPC-1000	SSPC-2000	SSPC-3000
Flange	<400	400~710	710~1000	>1000

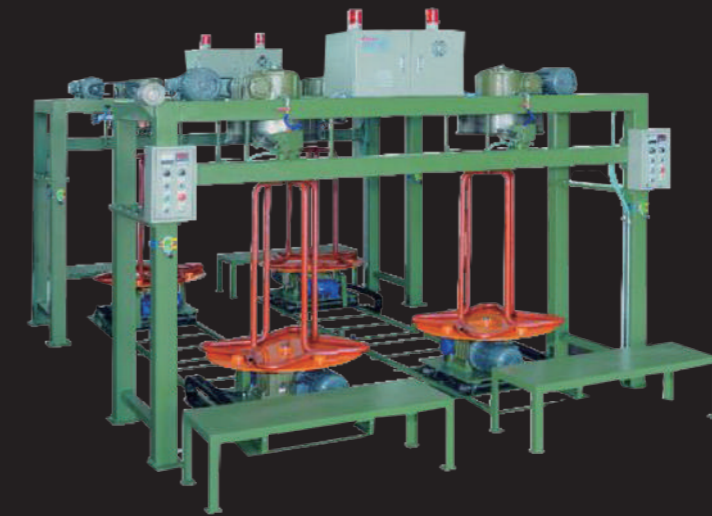


MULTI-STATION PAY-OFF & TAKE-UP SYSTEM

倒立型下取式卷取机(附梅花形排列线架)

■ IVC-600F

model	IVD-400	IVD-400F	IVD-600	IVD-600F	IVD-760	IVD-760F
Wire range	0.9~2.1mm	0.9~2.1mm	1.6~4.2mm	1.6~4.2mm	3.0~5.0mm	3.0~5.0mm
Capstan	400mm	400mm	600mm	600mm	760mm	760mm



- 适用于各种DIN或客户指定的线轴尺寸。
- 适合低/中碳钢及合金钢线。
- 可收取线材线径从0.8到5.0mm。
- 可依据客户要求收取线材200-3000公斤。
- 设计用于装载单个线轴，线轴法兰尺寸从200mm到1,800mm。
- 可搭配拉线机使用。
- Spooler with horizontal winding axis collects all types of drawn wire onto rigid or collapsible spools. Can be used with various size and types of spools.
- Type of wire: Ferrous, non-ferrous, stainless steel, and alloy.
- Range of Ø of wire to be wound: from 0.8 to 5.0 mm.
- Capacity and size of spools to customer requirement: 200 - 3000 kg.
- Designed to load single spools, with flange size from diameter 200 mm to 1,800 mm.
- Can be customized to use any type of spool, DIN or customer standard.
- Hydraulic lifting and lowering of spools by way of conical pintles.

- 适用于高/中/低碳钢线，不锈钢线等。
- 适用于热处理和/或涂覆和/或清洁使用。
- **放线系统：**
 - 静态/动态放线装置。
 - 适用于线架与线轴。
- **收线系统：**
 - 成品线放在倾斜的旋转台车上、以增加线材重量和整齐排列。
 - 可装置"V"型线架或"平"线架。
 - 可选择"精抽"系统。
- For low, medium, high carbon or stainless-steel wire.
- For thermal treatment and/or coating and/or cleaning operations.
- Modular and scalable construction.
- **PAY-OFFS:**
 - Static solutions with overhead flyer.
 - Dynamic solutions, mechanically braked or motorized.
 - Designed for Carrier or spools.
- **TAKE-UPS:**
 - Pattern-laying on a tilted rotating table to increase coil weight.
 - "V" groove static-block or flat live-block.
 - Skin-Pass drawing version available.

SHAVING-POINTING MACHINE

线头切削机

- SPM-22
- SPM-35
- SPM-45
- SPM-55



model	SPM-22	SPM-25E	SPM-35E	SPM-35	SPM-45	SPM-55
Wire range	10~22mm	10~25mm	20~32mm	20~35mm	30~45mm	30~50mm

- 配合自动送线机使用。线材从自动送线机过来后，接着车削线头。
- 照拉线机需求，自订不同车削长度。
- 可选择手动或自动刀具打开系统。
- 可调整车削速度。
- Equipped with WDM series.
- Rod is pointed after the wire feeding units.
- Point lengths according to customer requirement, the machine can shave various lengths.
- Tool opening system can be controlled either manually or automatically.
- Cutting and pointing speed is adjustable.

SNARL STOP SWITCH

缠结开关

■ SS-7

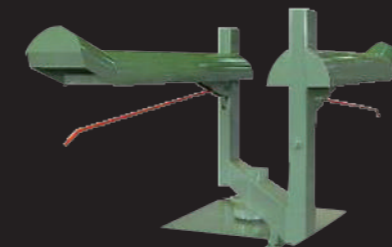


- 设计用于防止线材缠结导致断线。
- Designed for in-line to prevent wire breaks due to entanglement.

Z-TYPE DOUBLE STATION ROD FLIPPER

Z型供线盘

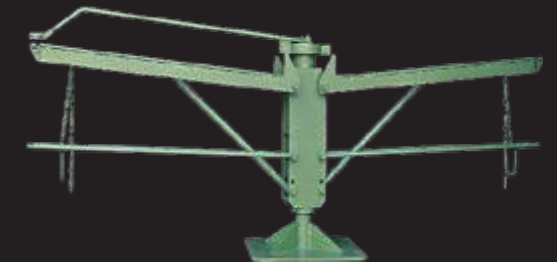
■ ZDFR-7



DOUBLE STATION ROD FLIPPER

双面式供线柱架

■ DFR-7



- 两边盘元线头与线尾可相接，可连续生产。
- 设备转向180度后可不停机继续抽线。
- Continuous operation allows for coil head-to-tail butt welding.
- When one side has finished drawing, turn the device 180 degrees to continue the drawing process. Meanwhile, you can load a new wire rod.

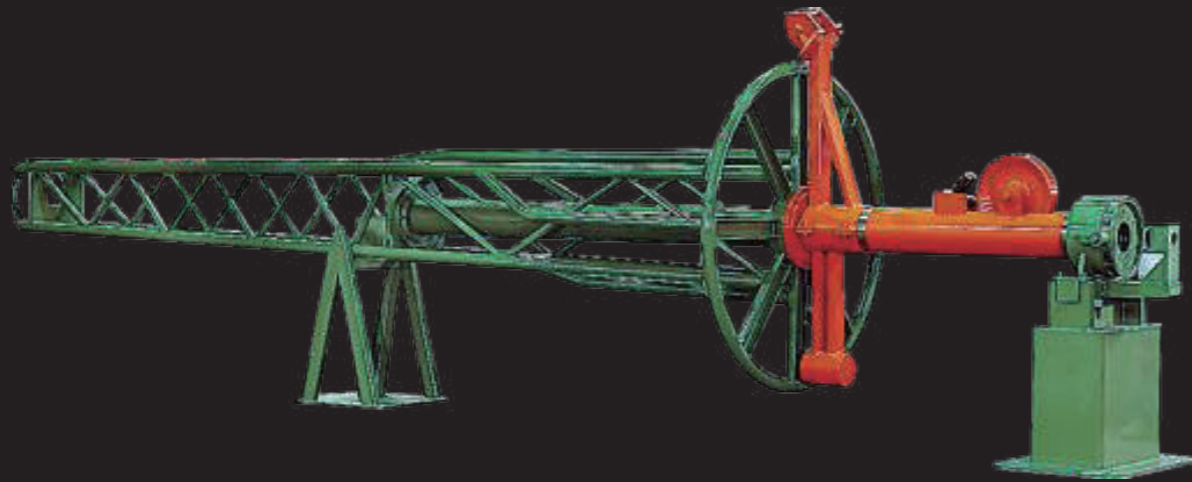
model	ZDFR-7/DFR-7
Wire range	5.5~15mm
Loading capacity	1,500~2,300kgs

HORIZONTAL TYPE ROTARY PAY-OFF

横式盘元供线架

■ WRP-8 ■ WRP-13

model	WRP-8	WRP-15
Wire range	≤ 8.0mm	≤ 15mm



- 适用高碳钢线。
- 适用原料尺寸从5.5到15mm。
- 两捆盘元线头线尾可提前焊接，连续供料。
- 系统运转平稳供线，不易损坏线材。
- WRP Series pay-offs are designed for high carbon wire rods.
- Rod inlet Ø from 5.5 up to 15 mm.
- Pay-off speed according to pay-off model.
- The continuous operation allows for coil head-to-tail butt welding.
- Ergonomic wire threading.
- Horizontal loading beam.
- Driven pay-off flyer, integrated coil transporting unit.

MOTORIZED ROTARY PAY-OFF

电动转式供线盘

■ RWE-18



- 可选择单独寸动或与伸线机同步运转。
- 缠线时，供线盘碰触到微动开关则与拉线设备一起停止。
- 通常与IVD搭配使用。
- RWE-18M供线盘可前后移动距离约2米，以便将线头送至送线轮。
- Operation speed could be synchronized with the wire drawing machine or work alone.
- When the wire snarl, the wire stand will stop with wire drawing machine.
- Usually equipped with IVD series.
- There is a track under the cart with RWE-18M. The cart is movable. The movable distance is 2m.

model	RWE-18/RWE-18M	RWS-18
Wire range	5.5~32mm	5.5~32mm
Loading capacity	2,300Kgs	2,300Kgs

ROTARY PAY-OFF

转式供线盘

■ RWS-18



- 无动力放线盘。
- 含机械式刹车。
- 缠线时，供线盘碰触到微动开关则与拉线设备一起停止。(RWS-18M系列)
- Non-powered wire rod stand.
- With mechanical brake.
- When the wire snarls, the wire stand will stop with wire drawing machine. (RWS-18M series)

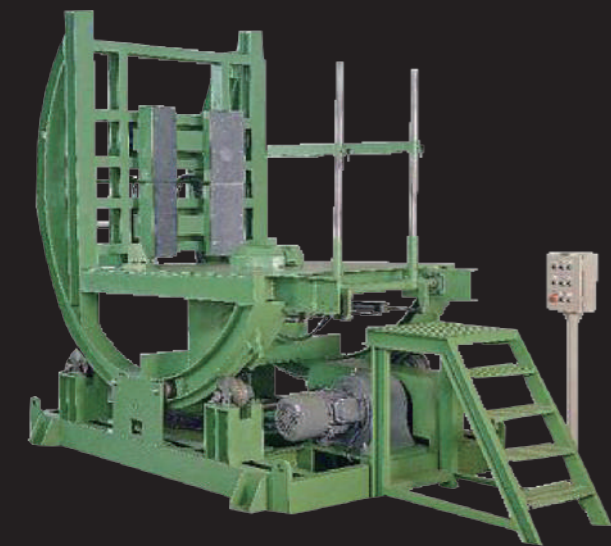
90° TILTED TYPE PAY-OFF

90度倾翻式供线设备



■ WRM-3000

- 水平与垂直翻转，达到水平入料，直立供料功能。
- Tilting, horizontal and Vertical moving by hydraulic system.



■ CTM-1500

Model	WRM-3000
Wire range	10-32mm
Loading capacity	3000kgs



OTHER EQUIPMENT/ ACCESSORIES

其他设备/配件

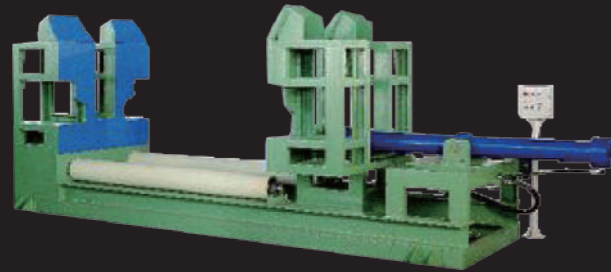
Specifications subject to change without prior notice.

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WIRE COMPACTOR (HORIZONTAL)

卧式压线机

■ CM-10H



model	CM-10H
Coil D.	820-1200mm
Coil O.D.	1130-1600mm

- 将线材压缩后，配合打包带将线绑紧。
- 线材接触地方覆盖尼龙板，保护线材表面。
- 压缩行程可达2000mm。
- After compressing the wire, tie the wire with the strap.
- The wire touch area covered with MC Nylon to protect the wire surface.
- Compact distance up to 2000mm.

WIRE COMPACTOR (VERTICAL)

立式压线机

■ CM-10V



model	CM-6V	CM-8V	CM-10V	CM-12V
Coil I.D.	480	650	840	1030
Coil O.D.	1000	1200	1400	1500

- 将线材压缩后，配合打包带将线绑紧。
- 线材接触地方覆盖尼龙板，保护线材表面。
- 压缩行程可达900mm。
- After compressing the wire, tie the wire with the strap.
- The wire touch area covered with MC Nylon to protect the wire surface.
- Compact distance up to 900mm.
- Designed for carrier or stripper.

COILER OPENER

开盘机

■ COM-36



- 适用于低/中/高碳钢线，合金钢线。
- 适用线径最大到36mm。
- Designed for Low, Medium, high carbon, and alloy wire.
- Working Wire range from 15mm to 36mm.

BUTT WELDERS

接线机

■ 1KVA ■ 5KVA



model	2KVA	4KVA	5KVA	10KVA	20KVA	30KVA	50KVA
steel wire	0.4~2.6mm	1.5~4.0mm	2.5~6.0mm	4.0~10mm	5.0~15mm	6.0~20mm	10~25mm
Stainless steel	0.4~2.0mm	1.5~3.0mm	2.5~5.0mm	5.0~10mm	5.0~12mm	7.0~18mm	9.0~22mm
Copper wire	0.5~2.2mm	1.2~3.2mm	2.0~3.6mm	3.6~8.0mm	6.0~10mm	8.0~15mm	10~16mm
Aluminum wire	0.6~2.6mm	1.5~3.6mm	2.5~6.0mm	5.0~10mm	5.0~16mm	8.0~20mm	10~22mm

- 线头两端可使用此设备焊接在一起。
- Continuous operation allows for coil head-to-tail butt welding.

LUBRICATING APPLICATOR

粉夹



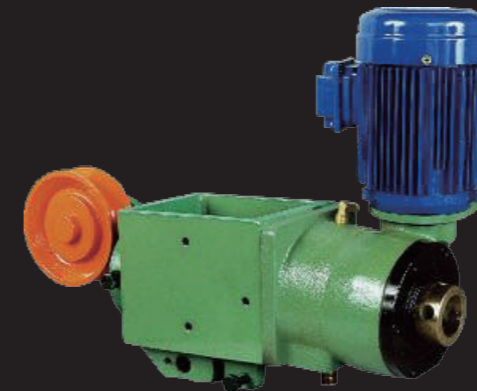
model	LA-4	LA-7
Wire range	0.8~4.0mm	4.0~15mm

- 提高模具寿命并提高润滑粉附着。
- Improved die life and optimizes lubricant pick-up.

ROTARY DIE BOXES

回转眼模机

■ SRD-4N/SRD-7N ■ SRD-16/SRD-26/SRD-36



- 可搭配直线式伸线机或倒立型伸线机使用。
- 可提升眼模寿命及增加线材表面真圆度。
- 可搅拌润滑粉以提高润滑粉附着于线材表面。
- 旋转速度可与拉线设备速度连动。
- 适用线径从0.7mm到36mm
- Designed for SCWD, DCD, and IVD series.
- Improved die life and increase the wire surface roundness.
- Stirs the Lubricant powder and optimizes lubricant pick-up.
- The speed synchronizes with the wire drawing machine.
- Wire working range from 0.7mm to 36mm.

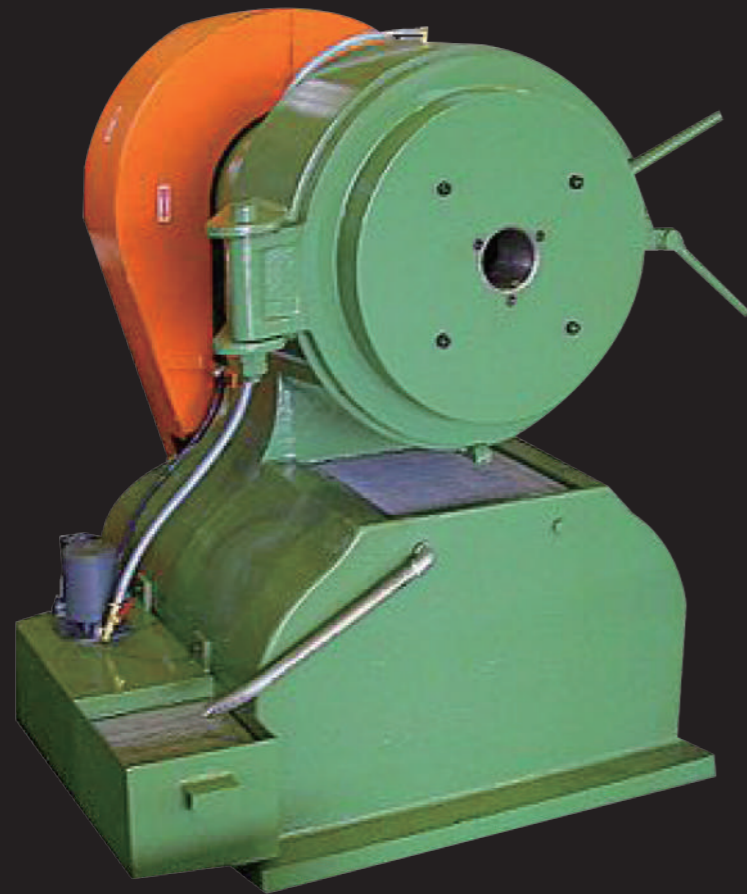
model	SRD-4N	SRD-7N	SRD-16	SRD-26	SRD-36
Wire range	0.8~3.2mm	2.0~6.5mm	5.5~15mm	10~26mm	20~34mm

SWAGING MACHINES

线头机

■ SM-03 ■ SM-15

model	SM-03	SM-15
Wire range	3.0~12mm	10~30mm



- 适用于低/中/高碳钢线，不锈钢线，合金钢线和非铁线材。
- 以捶打的方式，缩小入线头直径。

- Designed for Low, Medium, high carbon, stainless, alloy wire, and non-ferrous steel.
- To downsize the diameter of the wire end by forging.

WIRE POINTING MACHINE – (Wire Pointer)

线头机

■ RPM-15 ■ RPM-25
■ RPM-35

model	RPM-15	RPM-25	RPM-35
Wire range	7.0~15mm	10~25mm	19~35mm



- 适合低/中/高碳钢线，不锈钢线或合金线材。
- 缩小线头直径。
- 辊线轮可做90度翻转。
- Designed for Low, Medium, high carbon, stainless, and alloy wire.
- Reduce the wire end diameter.
- Pointing head can rotate 90 degrees, the pointing roller becomes horizontal or vertical for ease of operation.

■ PM-6 ■ PM-12

model	PM-6	PM-12
Wire range	1.0~7.0mm 0.7~3.2mm	4.0~13mm



- 适合低/中/高碳钢线，不锈钢线或合金线材。
- 缩小线头直径。
- Designed for Low, Medium, high carbon, stainless, and alloy wire.
- Reduce the wire end diameter.

■ 制品制造流程



■ Weight Conversion Table

	kg	g	lb	ounce
kg	1	1000	2.2046	35.2736
g	0.001	1	0.0022	0.035227
lb	0.4536	453.59	1	16
ounce	0.02835	28.35	0.0625	1

■ Pressure/Tension Conversion Table

	psi	kg/cm2	kg/mm2	bar	mpa	n/mm2
psi	1	0.0703	0.0007	0.06894	0.00689	0.0029
kg/cm2	14.223343	1	100	0.98067	0.09806	9.8039
kg/mm2	1422.334	0.01	1	98.13542	9.8068	9.80392
bar	14.5038	1.01971	0.01019	1	0.1	0.042061
mpa	145.0377	10.197	0.10197	10	1	1
n/mm2	344.75	0.09803	0.102	23.77499	1	1

■ "R" SERIES DIE SIZES

STEEL WIRE DRAWING	MIN. WIRE SIZE	MAX. WIRE SIZE	STD NIB	HEIGHT	STD CASE	HEIGHT	GRADE COLBAT
	DIA.	DIA.	DIA.	DIA.	DIA.	DIA.	%
R2	0.004	0.128	0.325	0.330	1.000	0.563	6
R2	0.004	0.128	0.325	0.330	1.500	0.750	6
R3	0.010	0.182	0.450	0.380	1.500	0.750	6
R4	0.015	0.230	0.500	0.450	1.500	0.875	6
RG	0.020	0.250	0.562	0.500	1.500	0.875	6 or 12
R5	0.020	0.280	0.625	0.600	1.500	0.875	6 or 12
R6	0.025	0.350	0.710	0.700	2.000	1.125	12
R7	0.100	0.425	0.768	0.768	3.000	1.375	12
R8	0.220	0.516	1.000	0.820	3.000	1.750	12
R9	0.310	0.687	1.187	0.820	3.000	1.750	12
R10	0.400	0.750	1.500	1.000	3.000	2.000	12
R10	0.400	0.750	1.500	1.000	4.000	2.000	12
R11	0.710	1.125	1.830	1.250	4.000	2.250	12
R12	0.950	1.375	2.185	1.375	4.000	2.375	12
R14	1.225	1.750	2.560	1.375	6.000	2.500	12
R15	1.475	2.250	3.000	1.375	6.000	2.500	12
R15	1.475	2.250	3.000	1.375	7.000	2.500	12
R16	1.850	2.500	3.500	1.375	6.000	2.500	15
R16	1.850	2.500	3.500	1.375	7.000	2.500	15
R17	2.225	3.000	4.000	1.500	9.000	3.000	15
number	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	PERCENT

■ "JIS" STANDARD DIE SIZES

STEEL WIRE DRAWING	MIN. WIRE SIZE	MAX. WIRE SIZE	STD NIB	HEIGHT	STD CASE	HEIGHT
	DIA.	DIA.	DIA.	DIA.	DIA.	DIA.
W101	0.2	0.7	6	4	24	7
W102	0.5	1.5	9	6	24	12
W103	0.9	2.5	12	8	30	15
W104	2.5	4.0	15	10	42	20
W105	4	6	20	14	55	24
W106	6	8	25	18	60	28
W107	8	10	30	22	70	35
W108	10	13	35	25	85	40
W109	13	16	40	27	100	45
W110	16	20	50	30	125	50
W111	20	26	60	35	145	60
W112	26	32	70	40	175	70
W113	32	38	80	45	195	80
W114	38	46	90	50	215	90
W115	46	54	100	50	230	90
W116	54	62	110	50	230	90
W117	62	70	120	55	250	100
W118	70	78	130	55	275	100
W119	78	86	140	60	295	110
W120	86	94	150	60	315	110
number	mm	mm	mm	mm	mm	mm