

1. Rod Preparation Solutions-Effective wire cleaning for high -quality outputs

Reversed Bending Descaler (MD 75/4 and MD 90/6)



Key Features:

- The MD series offers two sizes for efficient low – high carbon rod preparation: The **MD 75/4** for wire sizes from 5,5 – 8mm and the **MD 90/6** for wire sizes from 5,5 – 12mm
- Bending rollers with solid carbide steel inserted at the centre eliminate the need to change the entire roll since only the central part can be replaced
- Shields and labyrinth seals ensure double protection of the roller bearings utilized in the assembly

TECHNICAL DATA:

	MD 75/4	MD 90/6
Line Speed:	Up to 4m/s	
Wire diameter:	5,5 – 8mm	5,5 – 12mm
Number of rolls:	4 off	6 off
Roll diameter:	75mm	90mm
Optional roll diameter:	90mm	110mm
Inlet wire height:	950mm (Customized upon request)	
Length:	1200mm	1350mm
Width:	625mm	1100mm
Height:	1550mm	1650mm

Mechanical Descaling by Brushing (MDB)



Key Features:

- Suitable for low to high carbon wire sizes
- Intelligent Brush Pressure Detection System for optimal cleaning results and extended brush lifetime
- User-friendly plug-in installation

TECHNICAL DATA:

Line speed:	Up to 4m/s
Number of brushes:	8 off
Brush diameter:	250mm
Wire diameter:	5,5 – 12 mm
Tensile	Low Carbon-High Carbon wire
Inlet wire height:	Customized
Length:	1500 mm
Width:	1325 mm
Height:	2430 mm

Sandpaper Descaling Machine



Key Features:

- Rod wire guide rollers through the machine
- Integrated line speed control, no risk of sanding if line is stopped
- Belt tracking control
- Individual drive each flyer and sand belt, full rpm flexibility
- Synchronized to line speed
- Sound insulated
- Dust proof bearing house assembly

TECHNICAL DATA:

Line speed:	Up to 4 m/s
Number of belts:	1 or 2 (double or single head machine)
Belt width:	300 mm
Wire diameter:	0,2-60mm option
Quality:	Low & High Carbon- Stainless Steel wire - Ti, Nickel And So On
Inlet wire height:	Customized

2.Drawing Machine Straight Line

Product Introduction

Highest Machine Flexibility: The flex- ible machine set-up allows to start, bypass and finish on any block

Superior Block Cooling: The V-groves on the inside of the blocks create a double cooling effect - being coated with zinc on the inside and tungsten carbide coating on the outside, over- heating is prevented and superior cooling enabled

Adjusted Tilted Table Design: Adjust the tilting in height and degree de- pending on your preferences

Automatic Wire Height Filling: The wire height on the blocks are auto-matic filled to a desired height. The wire height is easily adjustable in the operator interface, for constant wire filling

Customizable Control System:

Choose premium brand Siemens. The control screen can be set to multiple languages

Drawing Machine Straight Line (DMSL)



- Regulated with a **full dancer control**
- Tension of the dancer arm is pneumatically controlled and can easily be adjusted on each block
- Straight line control to ensure no other contact points between block and die**
- Combine Straight and Loop Line without mechanical adjustment:**
The same die-box set-up allows to change between the two systems by simply adjusting the PLC control screen



All our machines are **CE marked**.
On-going and thorough risk analysis and testing ensures highest safety according to European standards.

Drawing Machine Loop Line (DMLL)

For the production of carbon, stainless and alloy steel wires.



- Regulated with **torque**
- Wire is guided straight from each block through the die onto the next block - resulting in less contact interference for best quality wire
- Adjustable back tension
- Superior cooling because of tighter contact between wire and block

Drawing Machine Control Line (DMCL)

For drawing of carbon steel, stainless steel and alloy wires.



- Regulated with a **limited dancer**
- At the entrance of every die box, a vertical roller takes up the speed differences and evens it out between each block
- Tension of the control arm is pneumatically controlled and easy to adjust

TECHNICAL DATA DRAWING MACHINE PORTFOLIO

No. of blocks:	2-21
Block diameter:	200, 300, 400, 500 560, 630, 710, 800, 900, 1000 & 1200mm
Block coating:	Tungsten carbide
Motor power:	5.5 - 160 kW AC
Speed control:	Loop Line: Full dancer Straight Line: Back pull control Control Line: Control Arms
Inlet wire diam.:	1 - 15 mm
Speed:	Up to 50 m/s
Options:	- Soap Stirrer - Rotating Die Holder - Dust Extraction, etc.

3.Drum Packing(Non Twist Coiler)

No Twist Coiler (NTC)

For high-quality wire coiling of solid, flux core and spring wire



Key Features:

- High machine flexibility:
 - Suitable for **welding, flux core, spring and staple wire**
 - Can be used with a range of **different sized and shaped drums**
- Special flyer design for **high-speed quality** coiling up to 40m/s
- Minimum environmental footprint

TECHNICAL DATA:

Line Configuration Pay-off – Dancer Arm - Coiler

Wire quality:	Welding, flux core, spring and staple wire
Line speed:	Up to 40 m/s
Block diameter:	900 mm
Wire diameter:	0,6 – 4,0 mm
Drum weight:	Up to 1000 kg
Max. drum Ø:	1000 mm
Max. drum height:	1000 mm

4. Rewinding Lines For precise wire re-spooling and coiling




Control system
The Precision Layer Winder Lines are all equipped with an **advanced PLC control system** with eye-level display and user-friendly operator control.

Line Set-up
The line consists of a powered pay-off, automatic tension control dancer unit and the precision layer winder itself.

Fully - Automatic Precision Layer Winder (FA-PLW)
2nd Generation of Wire Laying Technology for highest-quality outputs



Improved Key Features:

- About half of the sensors deliver the same outputs, resulting in a better performance of the machine. Fewer sensors cause fewer issues and therefore ensure a smoother process
- Servo-drive motor operated toolings allow for an automatic exchange of the spool
- Flexible use of servo-motor types such as Siemens, Allens Bradley and Lenze
- Easy adjustments of machine parts for increased user-friendliness

Line Set-up
Both machines consists of a powered pay-off, automatic tension control dancer unit and the precision layer winder.

Key Features:

- Accurate setting and adjustment of width between flanges with advanced servo-drive motor operated dowel
- Servo-drive operated ball screw traverse system and dowel
- Rapid backwind facility with traverse

TECHNICAL DATA (SA - PLW):

	SA-PLW 330	SA-PLW 450
Wire Range:	Ø0.8 - 2.4mm	Ø1.6 - 5.5mm
Wire Speed:	Max. 35 m/s	Max. 25 m/s
Type of Spools:	Wire basket, fibre, plastic, coils	Plastic, fibre, coils
Max. spool flange:	350 mm	450 mm
Optional Equipment:	Automatic Stick Automatic Offload	Automatic Stick Cut & hook unit Automatic Offload

CE All our machines are CE marked. On-going and thorough risk analysis and testing ensures highest safety according to European standards.

Rewinding Line (RWL 800)
For coils and spools up to 100kg and advanced wire spooling



Line Set-up
This semi-automatic rewinding line consists of a powered pay-off, automatic tension control dancer unit and spooling machine.

Key Features:

- Collapsible cassette tooling
- Servo-drive operated ball screw traverse system
- Automatic tension control

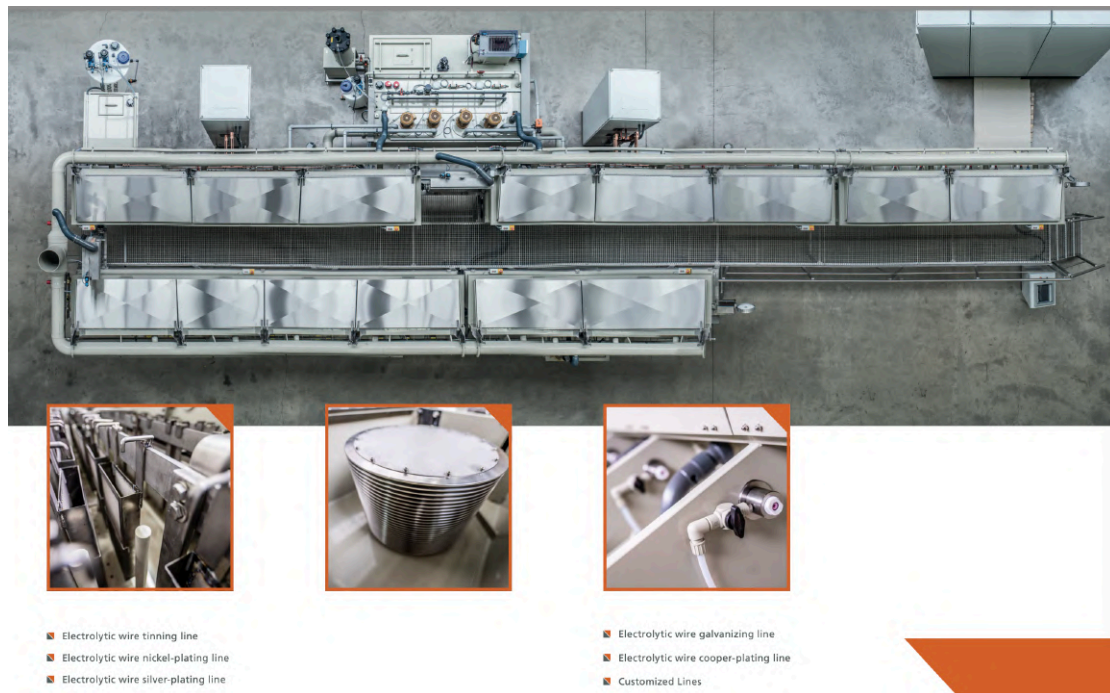
TECHNICAL DATA:
Line Configuration Pay-off - Dancer - Winder 1000

Wire range:	Ø1.6 - 5.0 mm
Wire speed:	Up to 15 m/s
Type of Spools:	Coils, wire baskets, plastic and fibre
Spool flange:	415 - 800 mm
Wire weight:	100 kg

5. ELECTROPLATING FOR THE HIGHEST DEMANDS

We offer a wide range of electroplating system accessories: wire pay-offs, spoolers, barrel winders, vacuum evaporators, exhaust air purification, anode melting furnaces including anode casting molds and laboratory equipment for analyzing the baths.

We offer the following electroplating production processes: Copper plating, Tin plating, nickel plating, silver plating, zinc plating. Of course, combined and customized processes are also possible.



6. Aluminum Alloy welding wire production Line



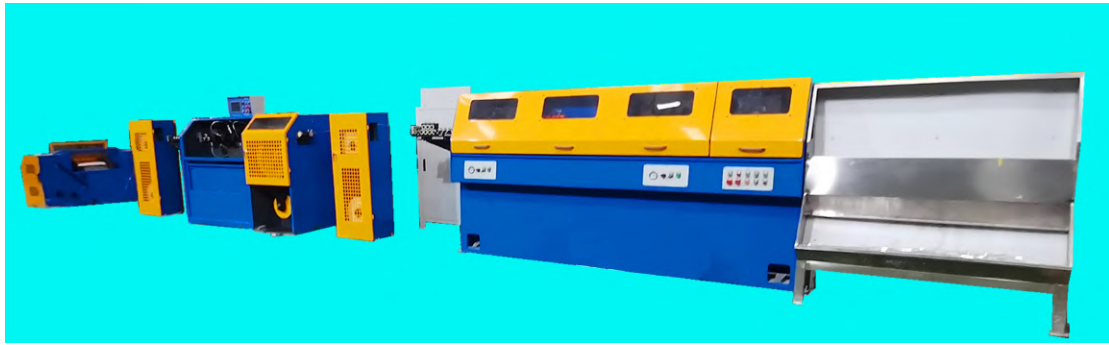
We provide a complete set of aluminum magnesium, aluminum silicon, aluminum titanium welding wire production lines, Such as: **5052,5A06,5556,5019,4043 ,4047, 5356,5183,1100 ,5087,2117.**As well as production processes, including various lubricating oil SDS.

6.1 Wire Shaving line(remove 0.03-0.04mm surface layer)

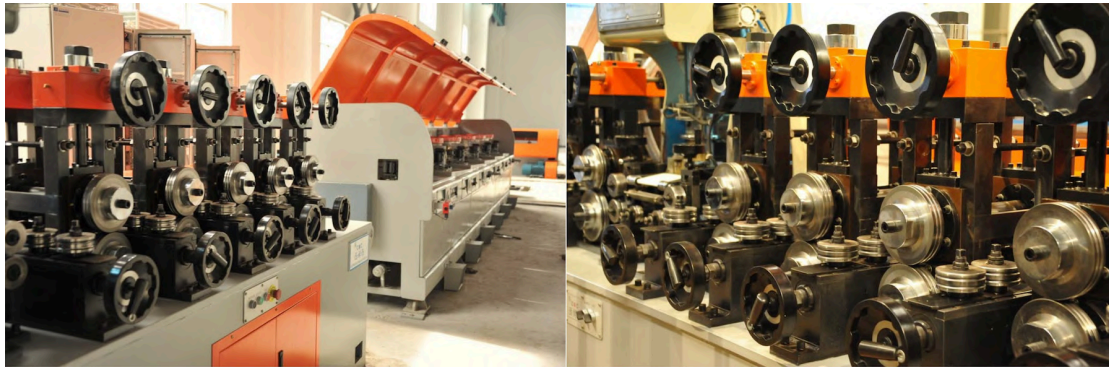
Payoff-drawing-dancer-shaving-cleaning-dancer-take up



6.2 Straighten-Cutting and Stamping Line



7. Flux cored welding wire forming machine



8. Annealing Furnace



管道退火炉技术参数 technology data sheet

HAS-200W-40-6M

退火范围 wire range (mm)	进线根数 quantity of wire	最高炉温 (°C) max. furnace temperature	最大收线速度 max. take-up speed (m/min)
Φ0.15-Φ0.28	40	1100	60

HAS-250W-32-6M

退火范围 wire range (mm)	进线根数 quantity of wire	最高炉温 (°C) max. furnace temperature	最大收线速度 max. take-up speed (m/min)
Φ0.30-Φ0.69	32	1100	50

HAS-400-26-6M

退火范围 wire range (mm)	进线根数 quantity of wire	最高炉温 (°C) max. furnace temperature	最大收线速度 max. take-up speed (m/min)
Φ0.70-Φ1.80	26	1100	15

HAS-600-20-10M

退火范围 wire range (mm)	进线根数 quantity of wire	最高炉温 (°C) max. furnace temperature	最大收线速度 max. take-up speed (m/min)
Φ2.00-Φ5.00	20	1100	10

性能

管道退火炉主要适用于各种不锈钢丝在保护气氛控制下进行连续光亮退火。收线、处理后可以保持钢丝表面清洁、光亮，具有生产效率高、能耗低、操作简便、维修方便等优点。

Pipe annealing furnace is mainly applicable to a variety of stainless steel wire in the protection of the atmosphere under the control of continuous bright annealing, and to close lines, which can be manipulated to keep steel surfaces clean and bright, with high production efficiency, low energy consumption, simple operation and easy maintenance etc.



630型倒立式不停车梅花收线机

model 630 Vertical No-stop Quincunial Wire Winding Machine
适用于大盘重镀锌钢丝。多线定速连续梅花收线。
applicable for multi-line constant speed staggered winding of heavy coil inverted galvanized steel wire.



主要技术参数 main Technical Parameter

收线直径范围 wire take-up diameter range	1.0-3.5mm
线材抗拉强度 wire tensile strength	800-1450Mpa
最大收线速度 max. take-up speed	60-120m/min
最大积放重量 max. capacity weight	600-1000kg
调速方式 speed regulation type	无级调速 stepless speed regulation

We have been in the metal wire industry from more than 25 years. We design high-quality, innovative and enduring machines to your needs—from the first idea to the successful production of the machines and after-sales service.

More information:

