



**Shenzhen Superworker Technology Co., Ltd**

Modular and Detail-Oriented Industrial Design  
A higher Level of **Reliability**

# CATALOG

Automatic Strapping Machine & Packing Line Equipment Professional





## Our Company

As the flagship in China packing machine industry, SUPERWORKER has been focusing on the design and development of supreme quality automatic strapping machines and packing line equipment.

SUPERWORKER's engineers have been in the strapping machinery industry for more than 20 years in average, they helped SUPERWORKER come into form in the year 2011 and develop rapidly since then. SUPERWORKER has been manufacturing patented automatic strapping machines which served top metal products manufacturers and leading companies in other industries for years, moreover, it has exported to Russia, Turkey, and Indonesia etc. Famous clients include: Baowu Group, Shougang Group, CFHI, CNPT, MCC, etc.

SUPERWORKER offers a wide range of products and services:

1. Automatic Strapping Machines
2. Integrated Automatic Packing Line Solution
3. Maintenance of automatic steel strapping machines of all brands
4. Supply of wearing parts and consumables

SUPERWORKER is restless in product research and development of high performance automatic bundling and strapping machines to satisfy customers' needs. We strive to develop and produce global first-class automatic packing machines to help our clients reduce labor cost and increase efficiency tremendously.

With combine efforts of the whole SUPERWORKER team, we keep improving the design and producing top quality automatic strapping machines under strict quality control system, to obtain the leading position in the industry and build up long term partnerships with customers worldwide.

General Manager: 



## Certificates & Patents Obtained



### Patent Protection:

1. Automatic steel strapping head----patent#: ZL2011 2 01915616
2. Automatic steel strapping machine----patent#:ZL 2011 2 0191576.2
3. Strapping dispenser---patent#ZL 2011 2 0191571.X
4. DGRP-I type strapping dispenser expansion and shrinkage mechanism---patent# ZL 2012 2 0575463.7
5. DGRK-I type sealless notching mechanism---patent#:ZL 2012 20574998.2
6. DGR-II type automatic steel strapping head--patent#ZL2012 2 0153961.2

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## Famous Clients



# PRODUCTS & SERVICES

## 1. Automatic Strapping Machine

Widely used for strapping any shape of products in various industries, like metal coils, plates, pipes, bars, rods, wood products, construction materials, automotive parts, etc.

Modular design for 24-7 reliability.

Detailed-Oriented industrial design.

Strong Strapping Joint up to 90% efficiency.

Great compatibility for any working environment.

Simplified operation and maintenance.

## 2. Integrated Packing Line Solution

We provide whole package solution for metal manufacturing plants, which is fully customized according to the products and working conditions. The equipments included in the solution are: fully automatic strapping machine, conveyor, walking beam, horizontal shear machine, automatic decoiler, cradle roll, automatic paper coil wrapper, automatic film coil wrapper, steel sheet coil wrapper, mechanical upender, code inkjet printer, electric scale, etc.

## 3. Maintenance and Repair Services

Backed up by deep understanding of the strapping machine industry and years of experience serving metal factories. We are able to provide repair and maintenance services for all the brands of strapping machines available in the market. Whether it is deserted by your factory or it went defective, our engineers will bring it back to life and keep it running always.

## 4. Supply of spare parts and consumables

We supply the consumables for both of our Superworker branded strapping machines and strapping machines of other major brands in the market, including strapping wheel, tensioner, strapping cutter, notching parts, etc.

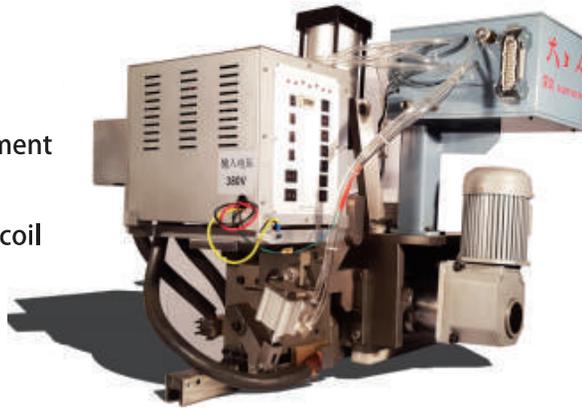


## DGR- I A

### Spot Welding Joint Type Automatic Steel Strapping Machine

- For normal temperature working environment the loads are fine with resistance welding.
- Applicable products are: galvanized steel coil cold rolled coil, sheet pile, wood pile, scrap, pipes, bars, structural materials, automotive parts etc.
- Strapping Material: Steel Strap

Reference Picture of Strapping Head



Picture of Strapping Connection



Application



Product Name	Specialties	Electrical Power	Pressure	Instant Air Consumption	Strapping Time	Joint Type	Steel Strap Tension	Wearing Parts	Maintenance	Strapping
<b>DGR- I A</b> Spot Welding Joint Type Automatic Steel Strapping Machine	The joint efficiency is approx. 70% of the breaking load of the strap	380V,AC 2.2kw	6bar	1.5L/s	28s/ strapping	Steel strap is connected via resistance welding, with 2 Φ8mm welding spots in the middle of the steel strap	Max: 20000N (adjustable)	Strapping Feeding roller Tensioner Strap cutter Welding head Welding bottom plate	Minor maintenance every 6 months, overall maintenance every year, routine checks and maintenance	Any brand, medium or high quality 19mm width 25mm width 32mm width Thickness: 0.8~1.2mm

## DGR- II A

### Notched Closure Sealless Joint Type Automatic Steel Strapping Machine

- For ultra high temperature working environment and other complicated environments,
- Applicable products are: hot rolled metal coil, hot rolled metal sheets, galvanized steel coil, cold rolled coil, sheet pile, wood pile, scrap, pipes, bars, structural materials, automotive parts etc.
- Strapping Material: Steel Strap

Reference Picture of Strapping Head



Picture of Strapping Connection



Application



Product Name	Specialties	Electrical Power	Pressure	Instant Air Consumption	Strapping Time	Joint Type	Steel Strap Tension	Wearing Parts	Maintenance	Strapping
<b>DGR- II A</b> Notched Closure Sealless Joint Type Automatic Steel Strapping Machine	The joint efficiency is approx. 80% of the breaking load of the strap	380V,AC 2.2kw	6bar	1.5L/s	28s/ strapping	Steel strap is connected via a notched closure without additional medium	Max: 20000N (adjustable)	Strapping Feeding roller Tensioner Strap cutter Notcher set	Minor maintenance every 6 months, overall maintenance every year, routine checks and maintenance	Any brand, medium or high quality 19mm width 25mm width 32mm width Thickness: 0.8~1.2mm

Reference Picture of Strapping Head



Picture of Strapping Connection



Application



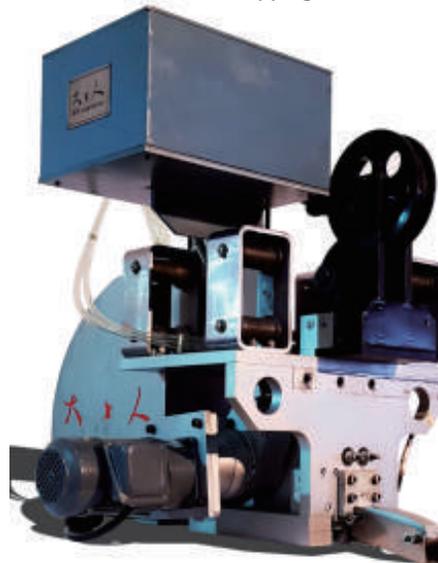
## DGR- II B

### Flanged Notched Closure Sealless Joint Type Automatic Steel Strapping Machine

- For ultra high temperature working environment and other complicated environments,
- Applicable products are: hot rolled metal coil, hot rolled metal sheets,galvanized steel coil cold rolled coil, sheet pile, wood pile scrap, pipes, bars, structural materials, automotive parts etc.
- Strapping Material: Steel Strap

Product Name	Specialties	Electrical Power	Pressure	Instant Air Consumption	Strapping Time	Joint Type	Steel Strap Tension	Wearing Parts	Maintenance	Strapping
<b>DGR- II B</b> Flanged Notched Closure Sealless Joint Type Automatic Steel Strapping Machine	The joint efficiency is approx. 80% of the breaking load of the strap  With flanged strapping overlap to prevent loose connection	380V,AC  2.2kw	6bar	1.5L/s	32s/ strapping	Steel strap is connected via a notched closure, and then the steel strapping will be flanged on both sides to increase breaking load and prevent tripping of closure, no additional medium needed	Max: 20000N (adjustable)	Strapping Feeding roller  Tensioner Strap cutter Notcher set	Minor maintenance every 6 months, overall maintenance every year, routine checks and maintenance	Any brand, medium or high quality 19mm width 25mm width 32mm width  Thickness: 0.8~1.2mm

Reference Picture of Strapping Head



Picture of Strapping Connection



Application



## DGR- III A

### Automatic PET Strapping Machine

- For normal temperature working environment.
- Applicable products are: galvanized steel coil, cold rolled coil, sheet pile, wood pile, ingot pile, scrap, pipes, bars, structural materials, automotive parts, chemical fertilizer pile, building materials pile, grain pile, wood box, etc.
- Strapping Material: Plastic Polyester Strap

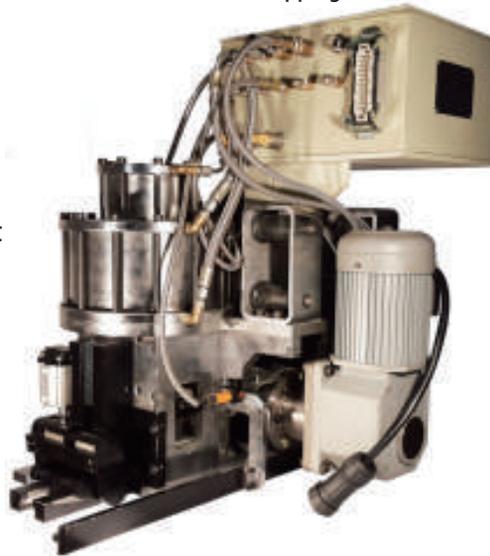
Product Name	Specialties	Electrical Power	Pressure	Instant Air Consumption	Strapping Time	Joint Type	Steel Strap Tension	Wearing Parts	Maintenance	Strapping
<b>DGR-III A</b> Automatic PET Strapping Machine	The joint efficiency is approx. 90% of the breaking load of the strap	380V,AC  0.37kw	6bar	1.0L/s	28s/ strapping	Ultra-sound welding on the PET overlap, no additional medium needed	Max: 10000N (adjustable)	Strapping Feeding roller	Minor maintenance every 6 months, overall maintenance every year, routine checks and maintenance	Any brand, medium or high quality 19mm width 25mm width 32mm width  Thickness: 0.8~1.2mm

Reference Picture of Strapping Head

## DGR-IV A

### Seal Joint Type Automatic Strapping Machine

- For ultra high temperature working environment and other complicated environments,
- Applicable products are: hot rolled metal coil, hot rolled metal sheets, galvanized steel coil, cold rolled coil, sheet pile, wood pile, scrap, pipes, bars, structural materials, automotive parts etc.
- Strapping Material: Steel Strap



Picture of Strapping Connection



Application



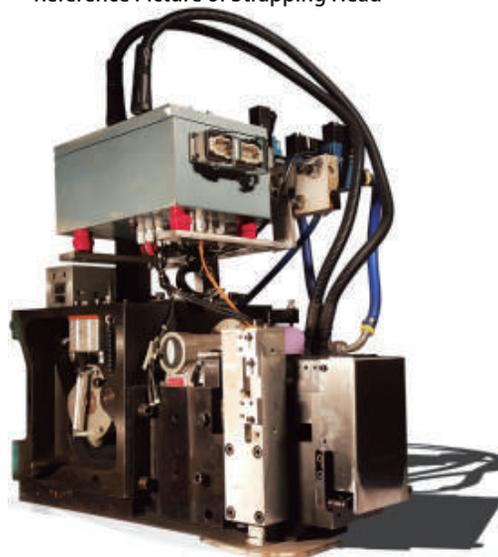
Product Name	Specialties	Electrical Power	Pressure	Instant Air Consumption	Strapping Time	Joint Type	Steel Strap Tension	Wearing Parts	Maintenance	Strapping
<b>DGR-IV A</b> Seal Joint Type Automatic Strapping Machine	The joint efficiency is approx. 65% of the breaking load of the strap	380V,AC 2.2kw	6bar	1.5L/s	28s/strapping	Put the seals on the strapping head (manually), and move the seal to the steel strap overlap and compress it and then flange it.	Max: 20000N (adjustable)	Strapping Feeding roller Tensioner Strap cutter Notcher set	Minor maintenance every 6 months, overall maintenance every year, routine checks and maintenance	Any brand, medium or high quality 19mm width 25mm width 32mm width Thickness: 0.8~1.2mm

Reference Picture of Strapping Head

## DGR-V A

### Automatic TIG Welding Joint Type Steel Strapping Machine

- For normal temperature working environment, the loads are fine with argon arc welding.
- Applicable products are: galvanized steel coil, cold rolled coil, sheet pile, wood pile, ingot pile, scrap, pipes, bars, structural materials, automotive parts etc.
- Strapping Material: Steel Strap



Picture of Strapping Connection



Application



Product Name	Specialties	Electrical Power	Pressure	Instant Air Consumption	Strapping Time	Joint Type	Steel Strap Tension	Wearing Parts	Maintenance	Strapping
<b>DGR-V A</b> Automatic TIG Welding Joint Type Steel Strapping Machine	The joint efficiency is approx. 90% of the breaking load of the strap	380V,AC 2.2kw	6bar	1.0L/s	32s/strapping (argon arc welding spot needs to be cooled down by gas to prevent oxidation)	Steel strap is connected via argon arc welding spots( argon arc welding spots are in the middle of the steel strap overlap, strong and beautiful )	Max: 20000N (adjustable)	Strapping Feeding roller Tensioner Strap cutter Welding handle Welding bottom plate	Minor maintenance every 6 months, overall maintenance every year, routine checks and maintenance	Any brand, medium or high quality 19mm width 25mm width 32mm width Thickness: 0.8~1.2mm

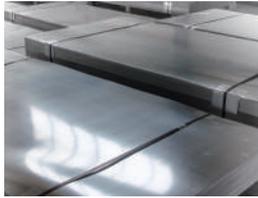


## Industry Application

### Metal Products



Coils



Plates



Ingot



Wire Rod Coil



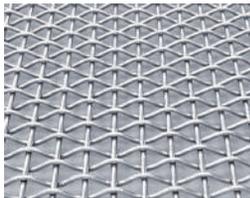
### Construction/Decoration Materials



Pipes, Tubes, Beams



Bars/Rebars



Wire Mesh



### Wood Products



Log



Lumber



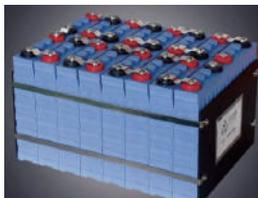
Panel



### Other Industries



Pallets



Electric Car Battery



Automotive Parts



Bulky Paper/Corrugated Products



# Industry Applications for Pipe and Profile Bundle Forming and Strapping

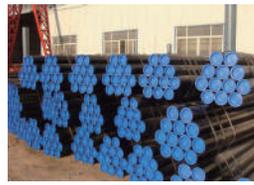
Applications: intended for bundle forming, transportation, strapping, temporary storage of various products, including tubes, angle steel, oil casing pipe, aluminum bar, rebars, etc.



Steel Pipe



Angle Steel



Oil Casing Pipe



Aluminum Bar

## FUNCTIONS

Bundling: 1.Feeding method: chain feeding and cam feeding  
2.Pipe Bundle Forming: brace type and electromagnetic adsorption type



Chain feeding



Cam feeding



Brace type bundling



Electromagnetic adsorption type bundling

Transporting: Including idler, side idler, carrier cart and so on



Trough Conveyor Idler



Conveyor Idler



Carrier Cart

Strapping: used for complicated working environment



Cantilever Type (moving products)



Floating Strapping Head, Gated Strapping Track



Floating Strapping Head, Movable Strapping Track

## Storage



Fixed Storage (conveying by carrier cart)



Chain Conveyor Storage

## Mechanical Upender for Coil & Panel

- Function: Can tilt the panel or coil  
 Panel tilt: Tilt the panel for 180 degree  
 Coil tilt: Tilt various coils with different specifications for 90 degree. (e.g steel coil, aluminum coils, wire coils, copper coils, molds, spools)
- Basic features
  - 1.PLC Control
  - 2.Multi-point interlocks control,ensure the safety of the product and machine in operation
  - 3.Frequency converter driven motor enables segmented speed control and makes the operation smoothly
  - 4.Big module sprocket driven by motor makes the operation stable and the transmit efficient
  - 5.Both automatic and manual operation are available, emergency stop button can stop the machine rapidly in case of emergency
  - 6.Open design for convenient maintenance and examination
  - 7.Modularized design saves time for the installing and shifting of the machine
  - 8.Mechanical upenders are available in standard configurations or may be custom engineered for your particular application



## Coil Wrapper

Paper roller, paper feeder, paper presser, paper cutter, etc.



## Walking Beam

There are 2 categories for walking beam by power supply; hydraulic walking beam and electric walking beam



## Coil Cutting Machine

Thickness of the coil strapping  $\leq 5\text{mm}$   
 Length of the coil strapping  $\leq 4\text{m}$



## Gantry Coil Carrier

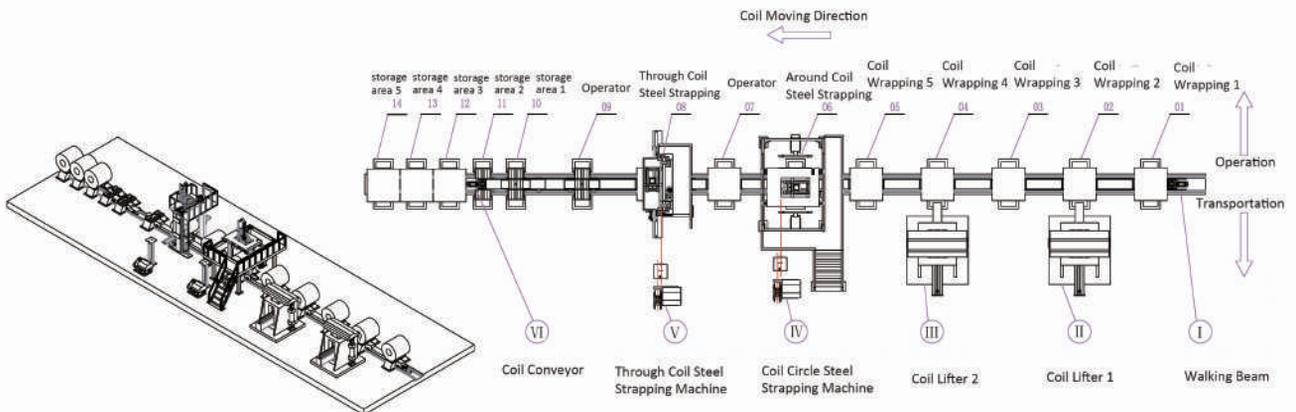
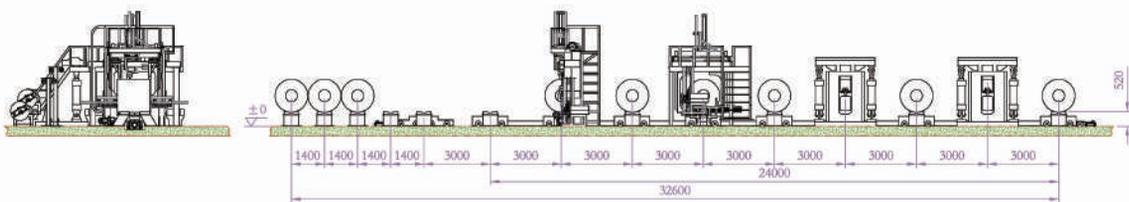
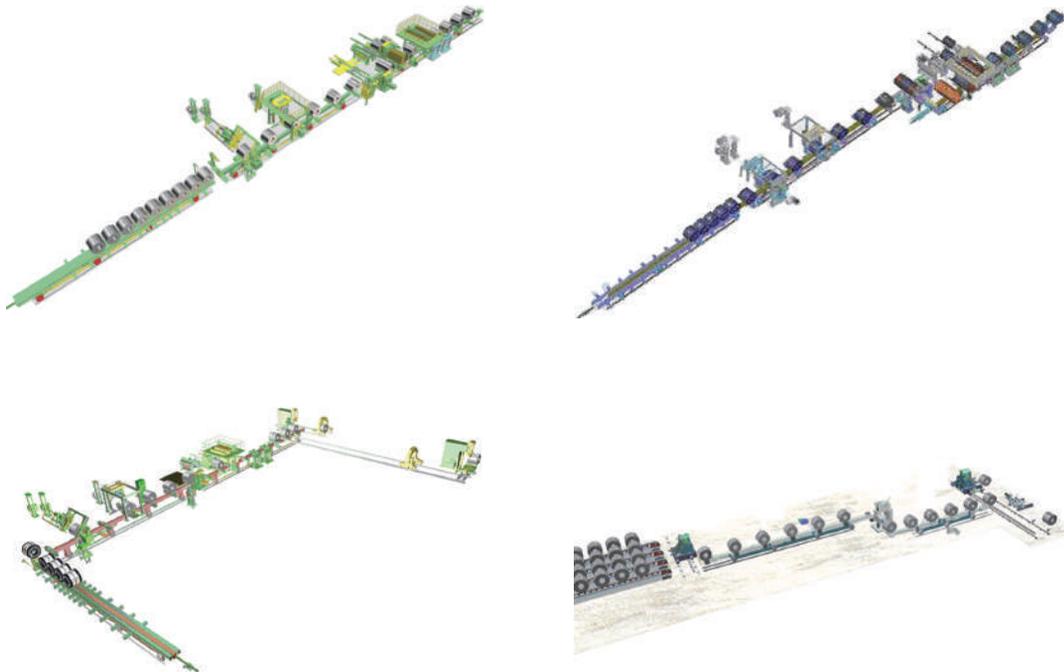
Combined by fixed saddle, coil carrier, sliding equipment





# Integrated Industrial Packing Line Solution

## Common Layout





## Shenzhen Superworker Technology Co., Ltd

### Sales and Technical Center:

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