

Robotic Strapping Solutions

Robotic based banding coils, sheets and tube packages



This state-of-the-art robotic solution has a small footprint together with great safety and maintenance benefits. And by using the robot's flexibility, the strapping head moves, within the reach of the robot, around/trough the coil which avoids coil rotation and increases your production speed.

By using a robot, ergonomic positions are easily created to allow proper mechanical and electrical maintenance access. In case of troubleshooting during production, the robot moves the strapping head easily to one of the maintenance positions in or even outside the machine cell, the works can ergonomically and safely be performed during production.

With over 400 industrial robotic solutions and 35 strapping machines installed globally, Tebulo solutions will make the most challenging areas of your plant the most reliable. You can rely on us to always keep you moving forward.



Customer Benefits:

- ✓ Multiple ergonomic maintenance positions, thanks to the robot's flexibility
- ✓ Easily accessible for maintenance work during coil production
- ✓ Avoids covering the coil transport by steel structures, since the strapping chute is part of the robot
- ✓ Designed to strap coils from low product temperatures up to red hot temperatures
- ✓ Even strap tension due to "floating" strapping head
- ✓ Fully automated process
- ✓ User-friendly operation

Strapping cycle:

- Robot to coil
- Strap frame placed around / through coil
- Leading strap trough strapping chute
- Strapping head moves towards the coil
- Strap is evenly tensioned
- Strap joint and cut
- Opening strapping frame
- Robot to Home position

Main components:

Robot	ABB
Strapping chute	Tebulo
Strap dispenser unit	Tebulo
Pneumatics	Norgren
PLC	Siemens

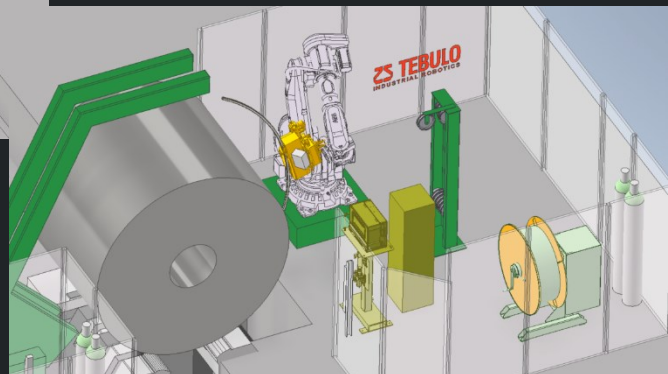
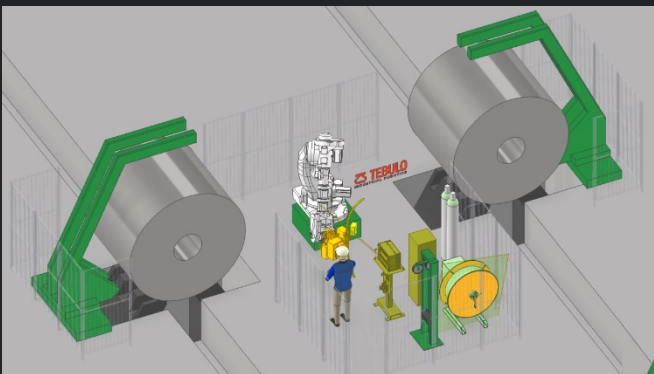
Strap:

Type of joint	Notching
Strap material	Steel
Strap width	19 – 31,75 mm
Strap thickness	0,8 – 1 mm

Robotic Eye Strapping



Robotic Circumferential Strapping



Robotic Smart Hoop solution (patent pending)
No bayonet required