

# **TEBULO** ROBOTICS



**DESTRAPPING**

**FOR MAXIMUM LINE EFFICIENCY**

**CREATING ULTIMATE SOLUTIONS**

# Innovation that pays

## Benefits

- High performance
- Improving safety
- Strap removal despite positions or quantity
- Multi-layer strap removal
- Highly reliable strap winder
- Process strap with clip and all kinds joints
- Quick exchange cutting cartridge
- PET and steel strap removal
- Robust hard- and software
- Coil measuring and quality inspection
- Ergonomic maintenance by using the benefit of the robot
- Flexible integration
- +100 operational references

## CREATING ULTIMATE SOLUTIONS



**TEBULO**  
ROBOTICS

# DESTRAPPING

## Benchmark of destrapping

By automating the entire entry, robotics eliminates the need for people to be involved in the destrapping process.

Our Destrappier ensures safe strap removal using highly reliable cutting and strap processing principle.

## Innovative strap winding system

After cutting, the straps are directly fed to our innovative winder for processing. It's possible to process all kinds of straps and joints due to the absence of cutting blades and an additional strap feeding system.

Resulting in a maintenance-free and highly reliable process. The developed strap winding system has proved itself over and over again in +100 realised destrapping installations.

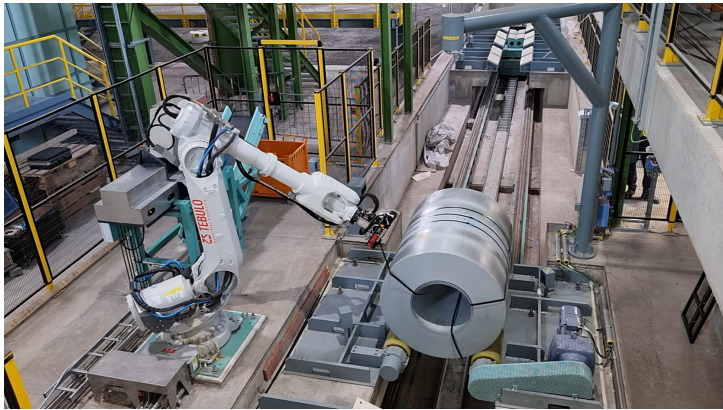
## Unique feature the cutting cartridge

The Destrappier features our unique cutting cartridge. The simplicity of its design enables operators to replace the cartridge as a single unit outside the line, maximizing uptime and safety.

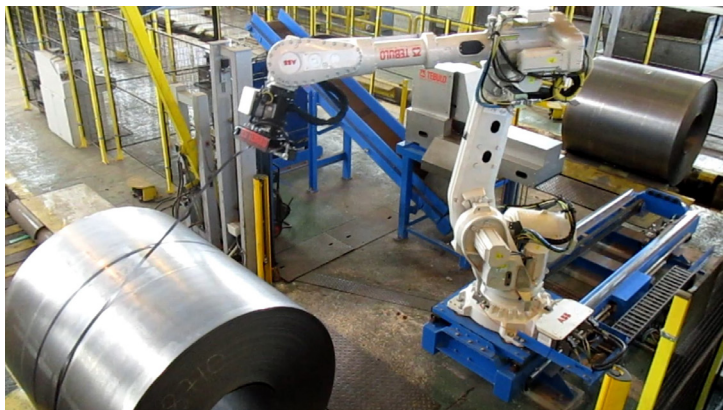
Once exchanged, in less than 2 minutes, the Destrappier is directly operational. Maintenance works on the exchanged cartridge can be done outside the Destrappier cell.



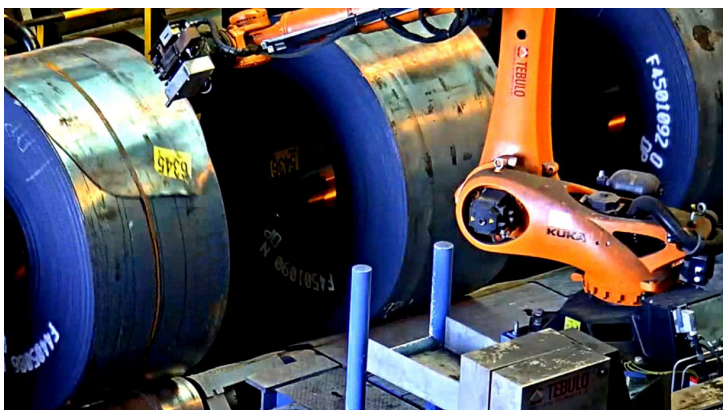
**Circumferential** strap removal



**Eye** strap removal



**Double entry** Destrapper on track



**Tail End** detection

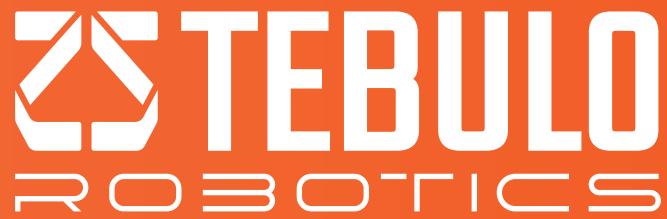
## Destrapping system package supply

- Robot
- Robot base
- Destrapping head
- Cutting cartridge
- Laser for strap searching
- Strap winder
- Hydraulic equipment
- Fixed scrap conveyor
- Control cabinets with PLC
- Interconnecting cabling
- HMI
- Anchoring and fasteners
- Commissioning and training
- Supplied according to CE-regulations

## Optional automation features

- Coil diameter measurement
- Plate width measurement
- Eye strap removal
- Plate thickness measurement
- Open windings
- Telescoping measurement
- Ovality check
- Double entry strap removal
- Track system
- Coil reel orientation measurement
- Collapsed coil eye detection
- Temperature measurement
- Read coil ID
- Separation of steel and PET straps
- Hot coil strap removal
- Heavy duty destrapping system
- Spare cutting cartridge
- Pulpit HMI PC
- Telescopic scrap conveyor
- Chopper for PET strap processing
- Other needs on request





# CREATING ULTIMATE SOLUTIONS

Tebulo Robotics specializes in the design and supply of innovative robotic solutions that operates under extreme conditions.

With our many years of experience, knowledge in technology and driving forward advancements in engineering and robotics, we are able to offer a wide range of superior solutions that accelerate industrial processes.

Tebulo Robotics creates high quality robot applications that are **the solution for making industrial processes faster, better, safer, cleaner and more productive.**



[www.tebulorobotics.com](http://www.tebulorobotics.com)

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