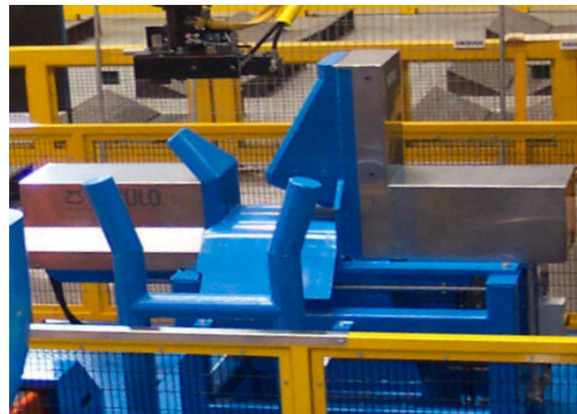


Automatic De-strapper

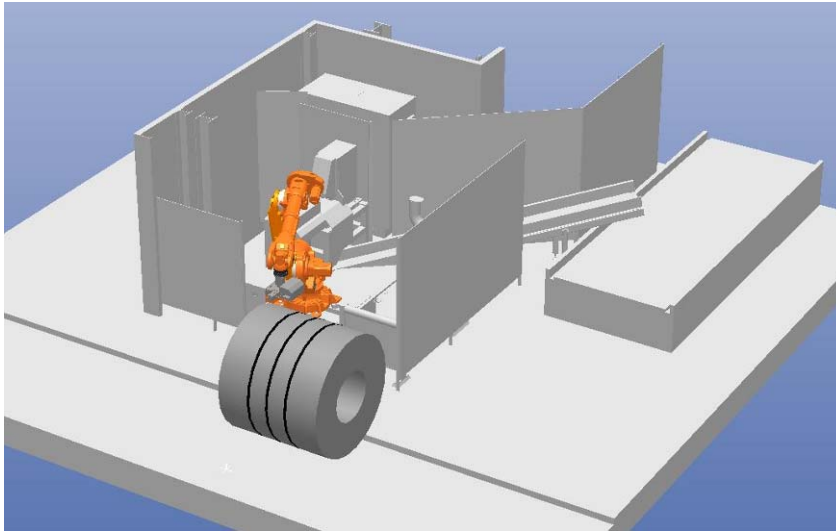
The Tebulo De-strapping system is designed for a safe removal of straps of steel coils, plate, profile or tube stacks and/or other packages. The application of a De-strapper in an industrial environment prevents unsafe labour conditions due to access of the operator near the coil transport and injuries from flying straps after cutting. Severe coil damage due to bursting of the strap at the down coiler, by means of the in-feed table, belongs to the past. The De-strapper is based on a strap detection system and a hydraulic tool to cut off the strap which are mounted on a robot for optimal flexibility. The additional coiler unit is used to coil the removed straps into small scrap packages. The unit is rigidly designed to operate in heavy industrial area's.

The robot, in combination with a strap detection and removal system provides a reliable, fully automatic De-strapper and could be placed at the entrance of a pickling line, cold strip & tandem mills, galvanizing lines and many more. The orientation of the coil (eye in line or perpendicular to transport direction) does not influence the de-strapping process.



Features

- Strap scanning detection system
- Hydraulic cutting head
- Flexible operation by using an industrial robot
- Free programmable
- Overall performance >98%
- Overlapping strap detection
- Easy installation integration in existing and new production lines
- Low maintenance costs



Standard Specification De-Strapping machine

- Single strap removal	approx. 50 sec.
- Dual strap removal	approx. 75 sec.
- Coil diameter	up to 2,700 mm
- Coil width	up to 2,200 mm
- Total equipment weight	2,700 kg
- Control	Robot control + S7 3xx PLC
- Communication	Ethernet/Profibus DP
- Communication protocol	Any standard
- Overall height	2,250 mm
- Overall length	3,200 mm
- Overall depth	2,700 mm
- Power consumption	7,0 kW
- Supply voltage	any standard Voltage

Additional Options

- Additional grinder unit for upgrade the cut
Performance from 98 up to 99,8%
- Coil position with:
 - o Eye in line with transport direction
 - o perpendicular to the transport direction
- From 19 up to 50 mm strap width
- Visualisation in the operator pulpit
- End tail detection system
- Eye strap removal
- Other PLC make and types are possible

