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**VALUE
PROVIDER**

AUTOMATIC DE-BANDER

End unsafe labor conditions. Deliver on your safety goals.

Radian's robotic de-bander is designed for the safe removal of bands on coils, plates, profiles, tube stacks, and other products by removing operators from the process. The robot locates and removes all bands, moving them to an accompanying winder that compresses the band for compact disposal. No operator intervention required.

Standard Deliverables

- 6-Axis Robot & De-banding Tool
- Fencing
- Strap winder
- Electrical/controls cabinet

Upgrades & Add-ons

- Tail detection
- Barcode/OCR scanner
- PC with HMI for the operator pulpit
- Preventative maintenance and support packages
- Standalone hydraulic power unit
- Robotic carriage unit
- PM & support packages



**MORE
UPTIME**



**FULLY
CUSTOMIZABLE**



**KEEPS
OPERATORS
SAFE**



DE-BANDER

STANDARD SPECIFICATIONS

Band size	Up to 50mm
Band orientation	OD and ID
Strap compaction options	Winder or chopper
Strap disposal options	Chute or conveyor to scrap box

PROCESS DESCRIPTION

Radian robots arrive on-site fully programmed and ready to integrate into your mill. The robot begins by confirming the size and location of the product and then locates the bands with a built-in laser system. Once all the band locations have been found, the robot cuts and removes them one at a time, using a gripper to keep the band under control. After each band is removed, the robot carries it to an accompanying winder that compresses it into a small, easily disposable package. De-banding systems fit perfectly at the entrance of pickling lines, cold strip mills, galvanizing lines, tandem mills, and other locations.

Schedule a visit today:
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+1.905.639.7370

Need something a little different? We work hand in hand with our clients to develop innovative solutions that fit their unique needs. Ask about automating your process today.



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