CRUSH COSTS | BOOST SAFETY | DOMINATE QUALITY

Teqram

VISION GUIDED ROBOTICS

Redefining Automation with

Artificial Intelligence and Vision-Guided Robotics

NO MORE PROGRAMMING!

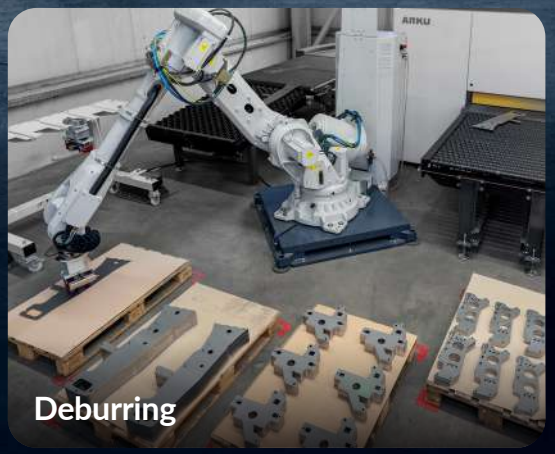
teqram.com

THIS ISN'T JUST AUTOMATION, IT'S A REVOLUTION!

Deslagging and Grinding


Machine Tending

Shotblasting


Deburring

AI-Powered, Vision-Guided Autonomous Robotics

NO PROGRAMMING REQUIRED

Smart Automation Made Simple

At Teqram, we make advanced robotics accessible. Our vision-guided systems allow robots to “see” and adapt in real time, so parts are automatically recognized, handled, and processed—without the need for complex programming.

By taking over heavy or repetitive tasks, our solutions boost efficiency, ensure consistent quality, and create safer workplaces. Built entirely in-house and designed to grow with your business, our technology makes automation simple, scalable, and ready for the future.

Robotic Grinding and Deslagging

WITHOUT PROGRAMMING

Robotic grinding of oxy-fuel, plasma- and laser-cut parts

Robotic Grinding and Deslagging
- Robotic grinding without programming
- The most efficient grinding solution (minimal use of electricity and abrasive materials)
- Easy-to-use interface
- Safe and ergonomic
- Patented vision and tooling technology

Standard solutions available for parts:
- Up to 200 kg [440lbs] : 1100 × 700 mm [45” x 26”]
- Up to 600 kg [1320lbs] : 3000 × 1500 mm [120” x 60”]
- Up to 2000 kg [4400lbs] : 1750 × 600 mm [70” x 24”]

https://teqram.com/en/applications/grinding

Automated loading and unloading of machining centers

- Machine tending without programming
- Simply place parts on pallets, and the vision-guided robot handles the rest
- The robot selects the correct gripper and starts loading the machine with laser-, plasma-, or oxyfuel-cut parts
- Quick setup times
- Integrated EasyFlipper for part flipping (optional)

Standard solutions available for parts up to:
- 200 kg [440lbs]
- 600 kg [1320lbs]

WITHOUT PROGRAMMING

Loading and Unloading of **Machining Centers**

teqram.com/en/applications/machining-milling

WITHOUT PROGRAMMING

Loading and Unloading **Deburring Machines**

Autonomous loading and unloading of deburring machines

Standard solutions available for:
- Single robot and double robot setups

- Part handling without programming
- Easy and simple user interface
- Integrated EasyFlipper for part flipping (optional)
- Vision-guided

Standard solution available for parts up to:
- 200 kg [440lbs]
- 600 kg [1320lbs]

Patented technology

teqram.com/en/applications/deburring

Autonomous loading and unloading of shotblasting machines

Standard solutions available for:
- Rotary table shotblasting machines
- Chain-conveyor shotblasting machines

- Part handling without programming
- Easy and simple user interface
- Double sided shot blasting with an integrated EasyFlipper
- Connects to shotblasting machines via OPC-UA protocol for seamless interaction
- Automatic part-nesting for positioning on shotblasting machine
- Handling of laser- plasma and oxyfuel cut parts without programming

Standard solution available for parts up to:
- 200 kg [440lbs]

Lowest cost per part for shotblasting

Loading **Shotblasting Machines and Grinding**

WITHOUT PROGRAMMING

teqram.com/en/applications/shot-blasting

Flipping Parts Safely

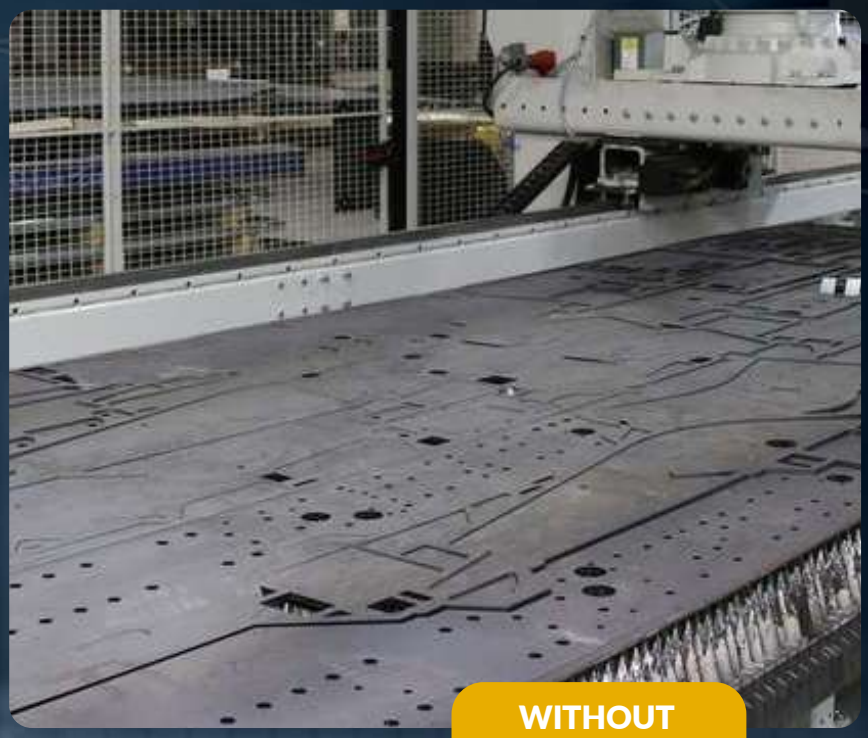
Automated flipping of parts for efficiency and operator safety

- Handles product thickness up to 200 mm [8”] (thicker upon request)
- Standard table size 1200 × 800 mm [47” x 32”] (larger sizes available)
- For long parts, multiple flippers can be combined
- Load via crane or forklift, flip with a simple button press
- Safe and fast turning of heavy parts

Cycle times:
- Pneumatic EasyFlipper : 5 to 10 seconds
- Hydraulic EasyFlipper : 45 to 60 seconds

Maximum Payload:
- Pneumatic EasyFlipper : 750 kg [1650lbs]
- Hydraulic EasyFlipper : 5000 kg [11000lbs]

teqram.com/en/applications/easyflipper



WITHOUT PROGRAMMING

Unloading and sorting of laser-cut parts without programming

- Automatic nesting of parts onto pallets based on configurable sorting rules
- Uses data from any nesting program to generate pick-up and sorting instructions
- Connects to cutting machines via OPC-UA protocol for seamless interaction
- Cycle times of approximately 15 seconds per part (varies based on cut shapes)

Standard solutions available for unloading laser cutting machines with bed sizes:
- 3000 × 1500 mm [120” x 60”]
- 4000 × 2000 mm [158” x 79”]
- 6000 × 2000 mm [236” x 78”]

Robot manipulators available for part weights up to:
- 200 kg [440lbs]
- 600 kg [1320lbs]

Additional options available:
- Grippers and gripper rack for handling a wide range of parts
- Plate storage and scrap removal
- Pallet tower option: Stores finished parts on up to 80 pallets

Loading and Unloading **Laser Cutting Machines**

teqram.com/en/applications/laser-cutting

Plate Handling and Plate Storage

A compact and fast plate storage solution with three hoists for high throughput

- Plate stacks up to 1524 mm [60”] height. Max plate weight: 5000 kg [11000lbs]
- Designed to load cutting machines and function as a stand-alone system

Available in various size combinations for plate dimensions:

- 3048 × 1524 mm [120” x 60”]
- 3657 × 1829 mm [144” x 72”]
- 6096 × 1829 mm [240” x 72”]
- 6096 × 2438 mm [240” x 96”]

Key Features and Benefits:

- Smart software allows different plate thicknesses within one stack
- A standard 203 mm [8”] industrial floor is sufficient—no expensive foundation needed
- Optional removal of scrap (skeleton)
- Low energy and maintenance costs
- Connects to cutting machine via OPC-UA protocol for seamless integration
- Configurable for specific plate sizes, space and storage requirements

EasyWelder

WITHOUT PROGRAMMING

So intuitive that welders can program it themselves!

- Fast programming – minimal training needed
- Dual-station setup – maximum uptime
- UV protection – operator safety ensured
- Compact design – flexible for any workspace

Features

1. **EasyTeach Device** – the most user-friendly teaching system on the market
2. **Automatic seam detection & tracking** – compensates for product variations
3. **Automatic alignment** – corrects human inaccuracies
4. **Tack welding** – at the touch of a button
5. **Circular welding** – inside & outside, no extra fixturing required
6. **Chain welding** – only two taught positions needed
7. **Multilayer welding** – teach just the first bead
8. **Linear UV screens** – safety you can rely on
9. **Dual-station mode** – operator productivity at its peak
10. **Compact & mobile** – small footprint, no obstructions, easily moved by forklift

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Talk to us. We listen.
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