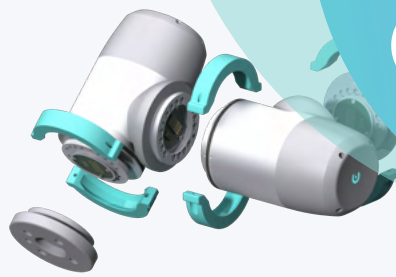


# Case Study

## Machine Tending



## Loading and Unloading of a Laser Engraving Machine

With an engraving laser, Robco's modular robots can be used efficiently for manufacturing high-quality bicycle components. The company Evocut thus manages to **increase capacities in the production** and to **implement an additional robotic shift overnight** without high investment costs.

The starting point for the automation project was a multi-stage manual process for loading a laser engraving machine. Especially the high variability of the components was a challenge for the employees. Stephan Pertl, the managing director, expressed the wish for a "self deployment" automation solution, which could be assembled for various applications and therefore used for different components. The overall goal was to automate existing machines with medium annual production volumes (<10.000) in order to support employees with manual tasks.

Thanks to the Robco robot, workers were thus not only responsible for manual tasks, but could also focus on the finishing and quality control of the components. With changing applications and customer orders, Evocuts' employees take over the simple and intuitive, reassembling as well as the programming of the robot in just a few minutes.

7 months  
Until ROI

21,300€  
Annual Savings

2 weeks  
For integration

5 DOF  
Instead of 6



"The Robco robots can be flexibly adapted to our orders – the reassembling of the robot and the programming is done by our employees in the production."

**Stephan Pertl**  
Managing Director at Evocut



## Robco's Modular Industrial Robots

Our all-in-one robot solution takes over a multitude of work steps in production. Thanks to the modular configuration, Robco robots can be assembled exactly according to the individual requirements and easily modified for various applications.

"You are interested in an automation solution by Robco? I am happy to help! Feel free to **schedule a meeting with me.**"

**Franziska Herrmann**  
Business Development Manager  
Robco



## Use Cases & Technical Data

Our robots can be individually assembled with up to 8 modules. Depending on the configuration, the robot has a payload up to 20kg and reach a customizable range of up to 2m. The repeatability is 0.1mm and the velocity is 2m/s. Our robots are certified according to IP54 protection class and EN ISO 13849-1:2015.

The application areas for Robco robots are mainly machine tending, pick & place, palletizing, or dispensing.