

UNLEASH YOUR ROBOTS' FLEXIBILITY

FLEXIBLE AFFORDABLE AUTOMATION



+49 351 86264000



info@wandelbots.com



wandelbots

Wandelbots at a Glance

We Stand for a New Approach in Robotics



HQ in Dresden, Founded in 2017, > 75 Employees





Conventional Robotics is **Not Made for Flexibility**



Our Products Help Customers to Unleash their Robots' Flexibility

10x

Cost reducing

Automatically generate fully integrated automation scripts

10x cost reduction



Speeding up

AI-powered process generation based on human demonstrations

Up to 70x faster



Platform independent

The concept is applicable for all robot models from all manufacturers

One Universal Tool



For everyone

The Tracepen enables non-programmers to teach robots by demonstration

For Non-Programmers



Agile

Re-program your robots within minutes to react to changing requirements

Self-Adaptation Ready

We Build with Partners an Universal Robot Software Platform



The Wandelbots TracePen

A Perfect Tool for Robot Teaching



High Precision 6D Tracking

The Tracepen combines state of the art optical and electro-magnetic tracking with sub-millimeter precise tracking results.



Exchangeable Tips

The Tracepen offers a set of tips designed for specific tasks. Equip the pen with the corresponding tip and start teaching.



Ergonomic Design

The Tracepen was designed with maximum ergonomics in mind. Inspired by the tools you know it just feels natural in your hands.



Haptic Feedback

Through haptic feedback the Tracepen tells you exactly what you are doing. You can work without holding the tablet.



Force Sensor

The integrated force sensor measures applied forces. The software translates this to sensitivity with the robot.



Wireless Communication

The Tracepen communicates out-of-the-box wirelessly with the Wandelbots PC. No wiring is necessary.



All-in-One Solution for Robot Teaching

The TracePen Starter Toolkit

Components

- Multiple Lighthouse Stations
- Tablet with Pre-installed App
- Industrial PC
- Calibration Adapter
- TracePen incl. different Tips



Beyond Traditional Robot Programming

Directly Demonstrate the Application

5-Steps Teaching Process

1. Setup System
2. Calibrate TracePen
3. Record Motion
4. Fine-tune Process
5. Generate Code



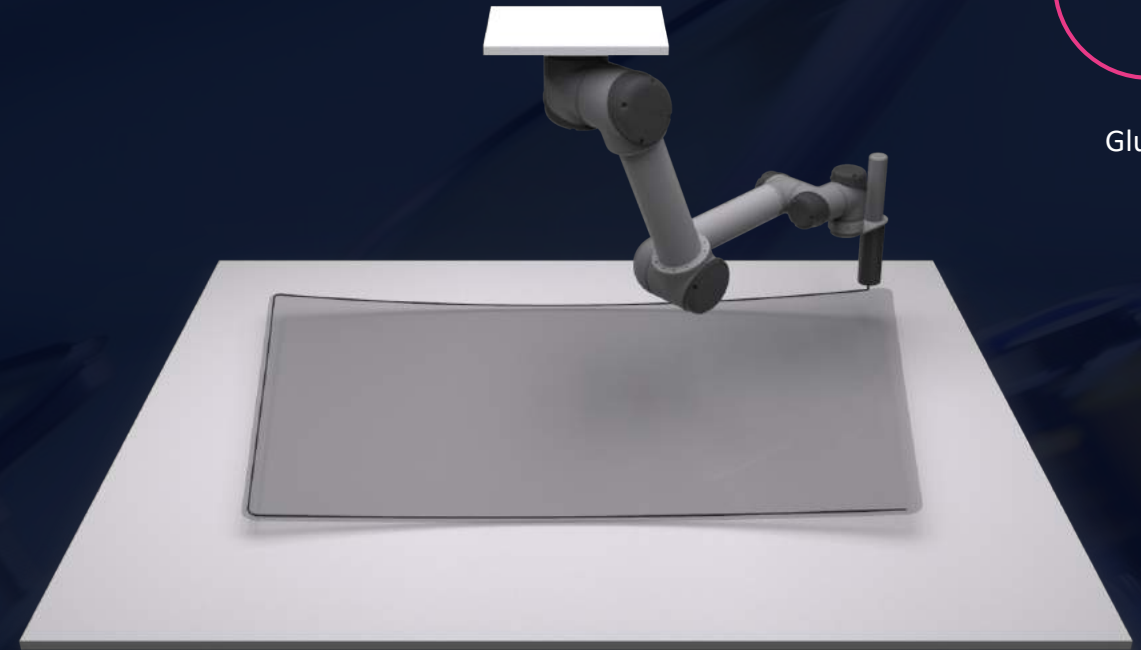
Example Application

Windshield Gluing

GERMAN AUTOMOTIVE CUSTOMER

One of the largest German automotives had the problem that they have to handle 17 different types of windshields with the same robot. The reprogramming time of one type was about 35 hours. 10 windshield types have to be adjusted annually, resulting in tremendous effort.

Wandelbots provided a solution that enabled non-programmer, to program a windshield type in 40 minutes. In addition the quality of the glue bead increased.



Gluing

70x speedup

By non-programmer

40.000€ saving per robot/year

Higher process quality



350h
50,000€
Per Year



5h
550€
Per Year



Example Application

Multi-Step Lab Process

GERMAN FUEL-CELL PRODUCER

Our customer is a highly-innovate technology company for fuel cells. In order to bring their technology competitively to the market before Asian competitors catch up, automation was needed. A previous approach to commercialize the technology failed due to huge gap to get from prototype to large-scale production.

Wandelbots provided a solution that enabled competitiveness from the beginning, adjust their solution quickly to the market needs while laying the groundwork for upscaling their production in the future.

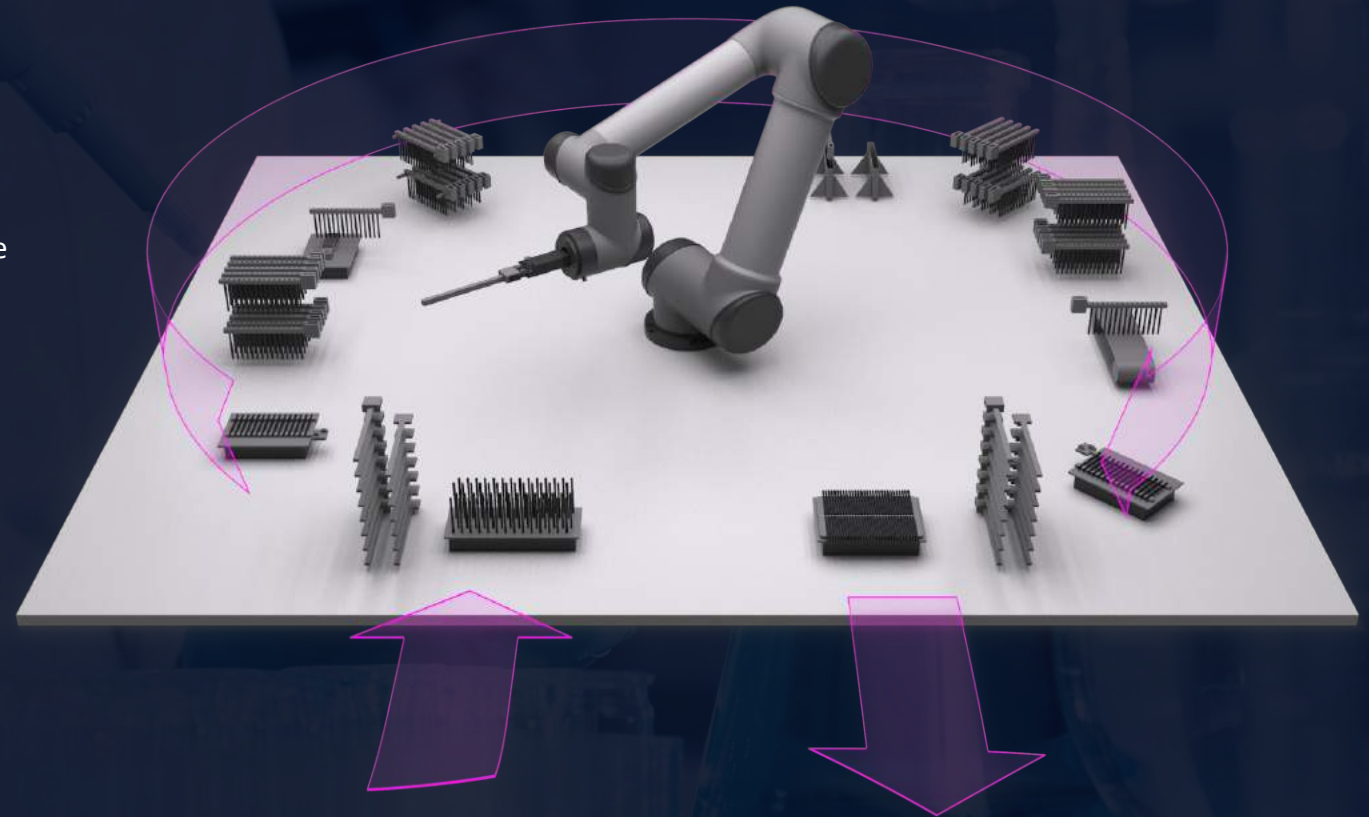
1st Robot in production

1 Month project time

From 0 to 50.000



Handling
and
Inspection



Example Application

Hazardous Material Handling

GERMAN SPECIALITY DRUG MAKER

A producer of nuclear medicine products needs to package radiopharmaceuticals. The employee's safety is of great concern for the company so that they were looking for solutions that are easy, reliable and cost-efficient.

Wandelbots provided a solution that enabled employees to get themselves out of harms way. Due to varying processes, the re-programming time was one of the major enabling factors for robotic automation.

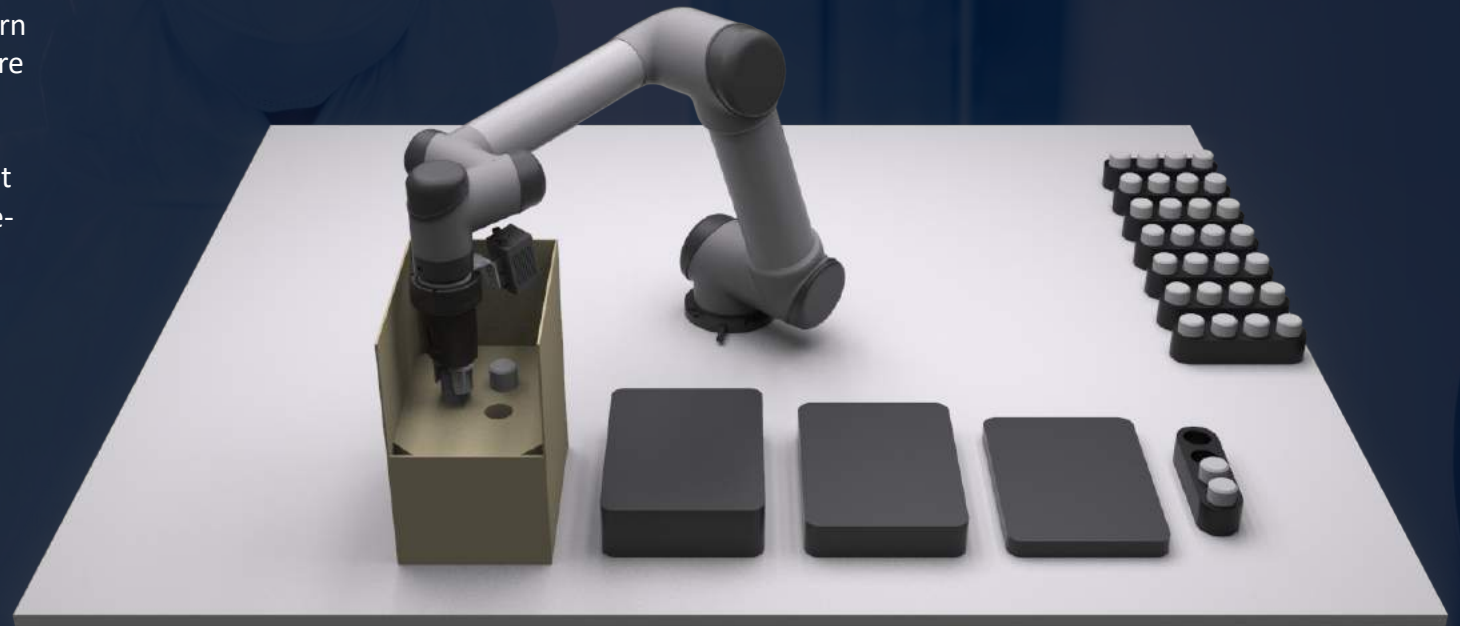
1st robot in production

1 month project time

Safe Workplace



Pick and Place



Wandelbots Is Trusted From Corporates to SME's

Herbert Diess

CEO Volkswagen, Factory Zwickau

Bakery 'Tschirch' (Görlitz)

52-year-old business with 17 employees

We Cooperate With the Best Partners in the Industry

Satya Nadella

CEO Microsoft, Meeting in Redmond (US)





The Wandelbots Founding Team





Start your journey now

#nextgenerationrobotics

Wandelbots GmbH
Tiergartenstraße 38
01219 Dresden
Deutschland



+49 351 86264000



info@wandelbots.com