REITER Laboratory
for linear and robot application

The application laboratory is used for tests, development trials with customers, paint manufacturers and general contractors. We also organize seminars and training courses for our clients and our own employees and train your staff before delivery to the new technology. Trials at the demonstration laboratory are charged on a daily rate of EUR 1.250,– . The costs are refundable in case of orders being placed.

Equipment – Linear spray water wash booth
• Overhead conveyor, rotation unit of workpieces
• 1 Reciprocator inverter controlled for electrostatic high rotation atomizers and spraying guns
• 1 Fixed stroke reciprocator for max. 6 electrostatic airless or air atomizing spray guns with automatic workpiece recognition and spray gun control; mainly used for automatic window spraying plants
• Insulated paint supply unit for electrostatic application of waterborne systems

Equipment – Discomat installation
• Dry filter spray booth
• Reciprocator with controls for infinitely stroke and speed adjustment including two speeds/stroke, stroke: 400 - 1500 mm, suitable for max. part size 1300 mm
• HR Center Disc, for discs with a diameter of 100 - 250 mm
• Discomat conveyor with Omega diameter: 1200 - 1600 - 2000 mm, conveyor speed max. 10 m/min., jigs with rotation units for continuous or indexed 2 x 90°, conveyor spacing: 300 mm

Equipment – Robot laboratory
• FANUC painting robot P-250iB/15
• High rotation and air atomizing spray systems
• 1K/-2K- and 3K low pressure paint supply and dosing system as well as high pressure paint supply
• Floor and overhead conveyor with rotation unit

Ovens and control technology
• 2 Ovens are available
• Installation visualization with trial data recording
**Technical Data**

**Laboratory for linear application**

**Overhead conveyor**
- V-max: 12 m/min.
- Load: 25 kg/jig
- Spacing: 400 mm

**Oven**
- Temperature: 230 °C max.

**Booth opening** (max. workpiece size)
- Height: 1,800 mm
- Width: 600 mm

1. Circular conveyor
2. Discomat installation
3. Automatic booth
4. Electrostatic spraying system, Kontur
5. Control cabinet Kontur
6. Electrostatic spraying system, air atomizing and high rotation
7. Control cabinet air atomizing and high rotation
8. Material supply, insulated
9. Workpiece recognition
10. Rotation station
11. Oven

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**PERFECT FINISH – PAINTED BY THE SPECIALIST.**
## Technical data

### Laboratory for robot application

#### Overhead conveyor
- **V-max:** 12 m/min.
- **Load:** 25 kg/jig
- **Spacing:** 400 mm

#### Overhead conveyor
- **V-max:** 4.6 m/min.
- **Load:** 100 kg
- **Spacing:** 1 Skid for parts

### Oven
- **Temperature:** 230 °C max.

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![Diagram of laboratory setup with labeled components: Oven, Control cabinet, Robot, Insulated material supply, Exhaust air, Booth, Conveyor.]