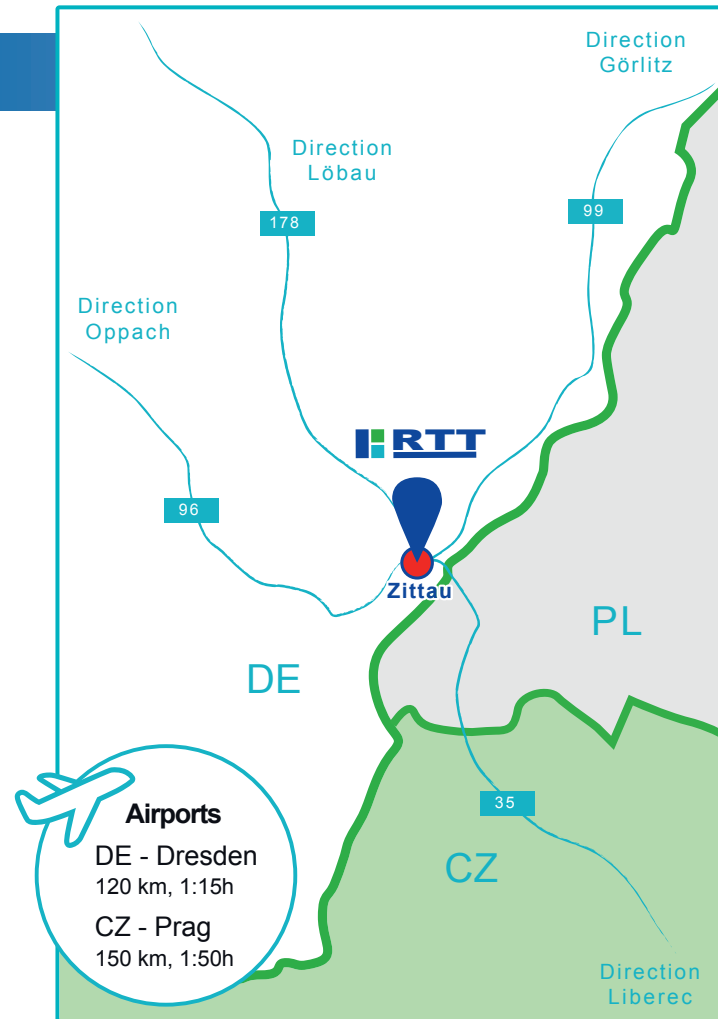RTT System GmbH

Customised purpose-built machinery is the core business of RTT at Zittau. RTT System GmbH is specialised in developing customized robotic modules and has a wide rage of experience regarding state of the art NIR-spectroscopy.

The development of our AI-based detection, introduced with the flakeanalyser 2.0 was the basis of our flexible and extendable platform ready for a large variety of sorting tasks.

The picksorter is equipped with our HSI-camera for the material classification, a high-resolution colour camera and a shape detecting 3D-system. The core application of the picksorter is the final quality control after the primary sorting step.

Since the picksorter is not a pick-and-place system, we are able to reach a sorting capacity of approximately 250 target objects per minute. Identification is based on material, colour, shape, volume and grain size. All this raw data is analysed by our AI-system to ensure the perfect sorting result.

The picksorter is equipped with a large range of interfaces to support your external QM-system. In this case, the picksorter is as flexible as our flakeanalyser.

Direction Görlitz
Direction Löbau
178
99
Direction Oppach
RTT
96
Zittau
DE
PL
CZ
35
Direction Liberec

Airports
DE - Dresden
120 km, 1:15h
CZ - Prag
150 km, 1:50h

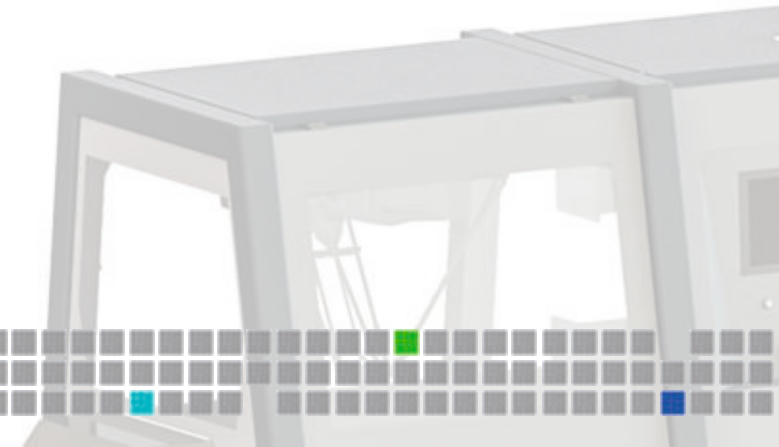**RTT System GmbH**
Hirschfelder Ring 9a
02763 Zittau | Germany

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F +49 (0) 35 83 54 089 - 83

info@RTT-System.de
www.RTT-System.de

picksorter

Inline analyser with impurity removal

pick**sorter**

State of the art inline-analysis-tool with sorting unit to secure highest product qualities at all time.

DEVICE FEATURES

- AI-based object detection
- Picking rate up to 250 objects per minute
- Classification ▪ material ▪ colour ▪ shape
  ▪ volume ▪ grain size
- Detection of dark objects
- Metal detection as an option
- Automatic reporting and archiving of analysis results
- Automatic calibration for maximum accuracy
- Remotly database update

BRANCHE

- Plastic recycling
- Metal recycling
- Food

TECHNICAL DATA

- **Picking rate:**
  max. 250 objects per minute
- **Working range per robot:**
  max. 1.400 mm
- **Belt speed:**
  max. 0,8 m / second

MADE IN GERMANY

USER INTERFACE

SORTING

Spotted impurities are separated and handed over.

RESULTS

The results are ready for Excel, e-mail dispatch or integration into your ERP-System

APPLICATION EXAMPLES

- Polyolefin
- WEEE plastics
- PET-Flakes

RTT
System GmbH