



Information about product price on demand

Parameters

Quantitative unit

ks

MT 174 Sorting plant

The Laboratory Scale Sorting Plant is designed to simulate a real-world industrial application, focusing on preventive maintenance, and offers time- and sensor-controlled operations.

It features augmented reality capabilities that allow for the visualization of maintenance procedures, exploded views, and data sheets.

The plant is controlled via a PLC, operated through a touch screen, and includes components like a crane for gear unit disassembly, signal lamps to indicate machine status, and continuous dosing via a hopper with a conveyor belt.

The sorting process includes separation into three size fractions and color sorting of fine materials into three color fractions using smart color sensors with IO-Link interfaces.

Multimedia teaching materials such as PDFs, CAD/STEP files, and videos are provided, and online access to the GUNT Media Center is available for further learning.

Technical Data & Specifications:

- **PLC:** Siemens S7-1200
- **Conveyor Belt:**
 - Drive: Three-phase motor with spur gear
- **Drum Screen:**
 - Outer diameter: 254mm
 - Length: 1136mm
 - Mesh width: 17mm, 28mm
 - Drive: Three-phase motor with planetary gear
- **Rotary Storage Table:**
 - Outer diameter: 400mm
 - Drive: Three-phase motor with spur and worm gear (with heated oil sump and temperature sensor)
- **Smart Color Sensor:**
 - Communication interface: IO-Link
- **Bulk Material:**
 - Coloured balls: Ø 12mm
 - Pyramids: Edge length 20mm, 30mm
- **Measuring Ranges:**
 - Temperature: 0...100°C
 - Level: 1x 20...150mm
- **Power Supply:**
 - 230V, 50Hz, 1 phase; 230V, 60Hz, 1 phase; 120V, 60Hz, 1 phase

Dimensions & Weight:

- **Operation Dimensions:** 3100 x 1220 x 2162mm
- **Transport Dimensions:** 3100 x 790 x 1927mm
- **Weight:** Approx. 650kg

Required for Operation:

- Vuforia View (optional)