

Product brief

EVK ABAS ThinLine

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EVK ABAS ThinLine

Smart metal scanner

- Detection of ferrous, non-ferrous metals, stainless steel
- Direct steering of the ejection unit
- GigE Vision interface
- Working widths from 600 mm to 2000 mm

Description The EVK ABAS ThinLine (TL) is an inductive metal scanner for use in sensor-based sorting machines for detection and sorting of metals.

The sensor can be mounted under a conveyor belt and delivers spatially resolved information of conductive material in the material flow. The metal scanner produces binary information that drives a corresponding I/O module and subsequently ejection units.

In combination with an EVK proprietary I/O system, EVK ABAS TL offers a complete solution to machine builders for detection and sorting of metal particles.

Key features

- Real-time detection of ferrous and non-ferrous metal particles
- Available for working widths from 600 mm to 2000 mm
- EVK ABAS TL can be combined with EVK proprietary I/O module for driving ejection units

Client benefits

- In-line detection of metal objects in real-time
- Supports commonly used machine working dimensions
- Easy and fast integration
- Designed for use in harsh environments

Typical applications

- Recuperation of metals in automotive scrap
- Recycling and recuperation of metals in bulk material
- Recuperation and elimination of metals in polymer sorting
- Recuperation and elimination of metals in glass sorting
- Foreign body detection in wood
- Recycling of C&D waste

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