

The IntelSort logo features a light blue downward-pointing triangle on the left. To its right, the word "IntelSort" is written in a bold, sans-serif font. "Intel" is in black, "Sort" is in black, and the letter "S" is highlighted in a vibrant green. A small "TM" trademark symbol is positioned at the top right of the word.

IntelSortTM

THE ULTIMATE CHOICE IN ROBOTIC SORTING



NEATCO

AI for the Circular Economy

EST. 2010



IntelSortTM

THE ULTIMATE CHOICE IN ROBOTIC SORTING

- 1 Flexible Sorting Solution
- 2 Scalable For All Automation Needs
- 3 Modular Platform
- 4 Configurable Software
- 5 Features
- 6 Performance
- 7 GUI
- 8 Industrial Applications

EST. 2010

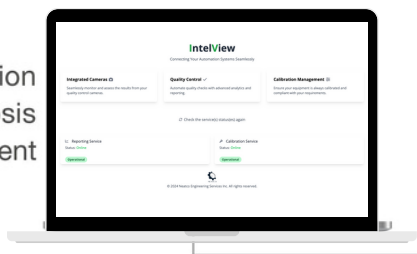


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IntelSort™

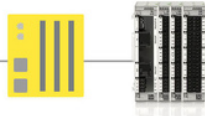
FLEXIBLE ROBOTIC SORTING SOLUTION

Configuration
Diagnosis
Programming environment

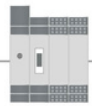


Robotic HMI
Teach-in
Online programming
Wizards

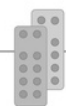
S I/O



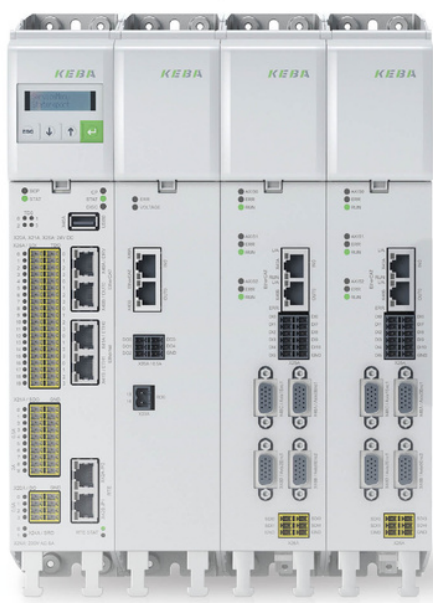
Master SCP



3rd party I/Os



14.0 ready



Motors

Control
incl. safety

Supply

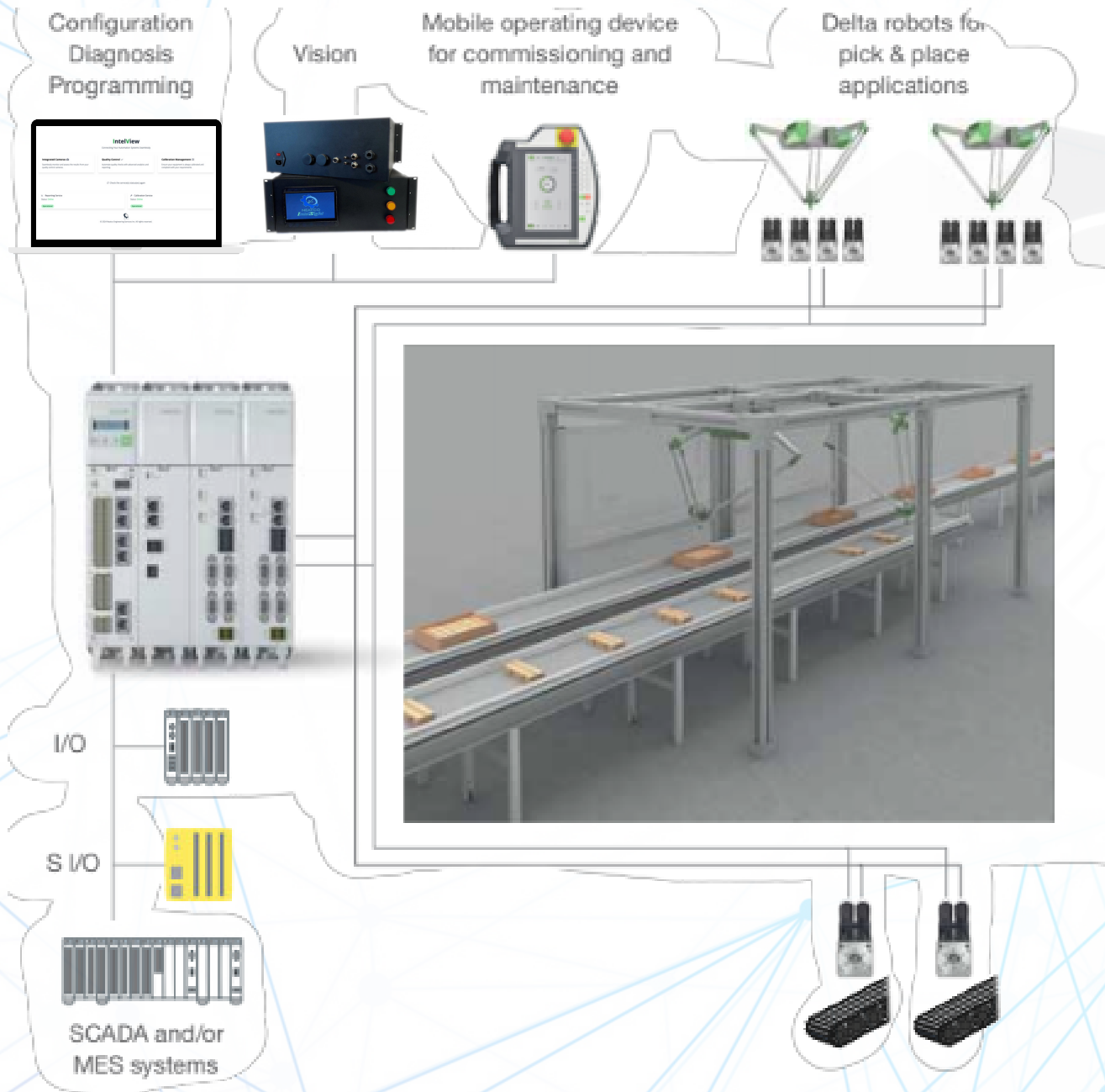
Drives

A unique combination of servo control systems, advanced motion control software, artificial intelligence, machine vision, and robust mechanical systems address complicated sorting challenges. A user-friendly software platform with high-level robotics function blocks allows for fast programming and development of custom-designed solutions, flexible operation, and efficient maintenance.

IntelSort™

SCALABLE FOR ALL AUTOMATION NEEDS

The IntelSort™ AI-powered robotic sorting solution includes IntelSight™, Neatco AI vision controller and a centralised machine controller powered by Keba FlexCore PLC, KeTop HMI and KeConnect I/O modules. This scalable control system can handle up to 16 robotic arms, motion and conveyor controls all with one PLC controller, offering a cost-saving solution for all current and future automation expansions.



Modular Solution

IntelSort™ offers modularity using IntelSight™ AI vision controller, customer-specific robot mechanics, and configurable application software. The IntelSort™ robotic solution control system includes a centralized machine controller powered by Keba FlexCore PLC, KeTop HMI and KeConnect I/O modules.

AI-Powered Robotics by IntelSight™

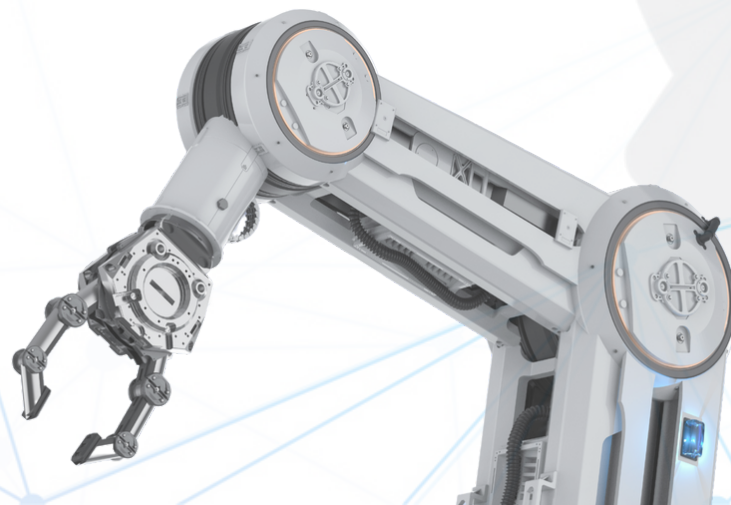
A rugged and compact industrial-designed controller for AI-powered robotics implementation, cloud connectivity, data storage ports, and industrial I/O peripherals.

Powerful performance, seamless integration with Industry 4.0 environments and IIoT devices

Supervisors and production managers can use IntelSort™ cloud capabilities for local and remote access to modern, intuitive, dynamic GUI for real-time data collection and monitoring.

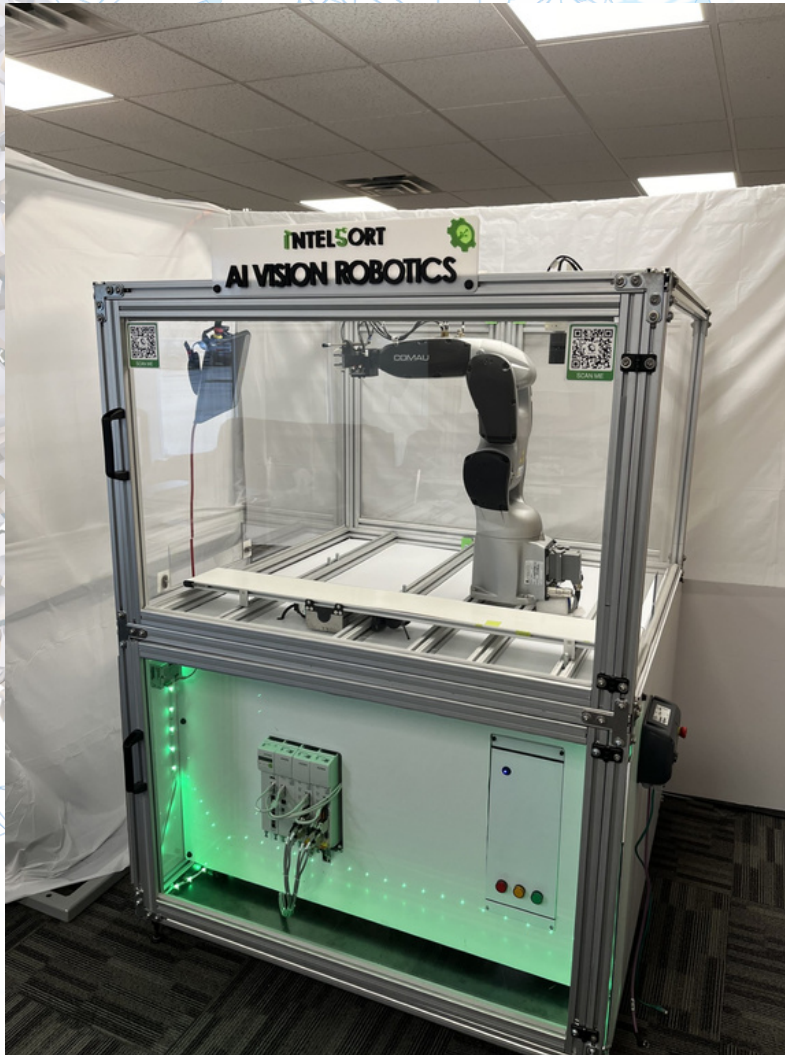
Wide Range of Reachability and Payload

IntelSort™ robotic sorting system, with up to 2000 mm of horizontal reach, 350 mm of vertical reach, and up to 25 kg of payload, allows for handling on wide conveyors at higher conveyor speeds.



IntelSort™

ARTIFICIAL INTELLIGENCE IMAGE
PROCESSING ACCURATELY DRIVES
ROBOTIC SORTING



AI-powered robotics system with new and efficient machine learning algorithms for retraining and fast detection of objects based on their visual, chemical, and physical properties.



ULTIMATE CONFIGURABLE ROBOTIC SOLUTION

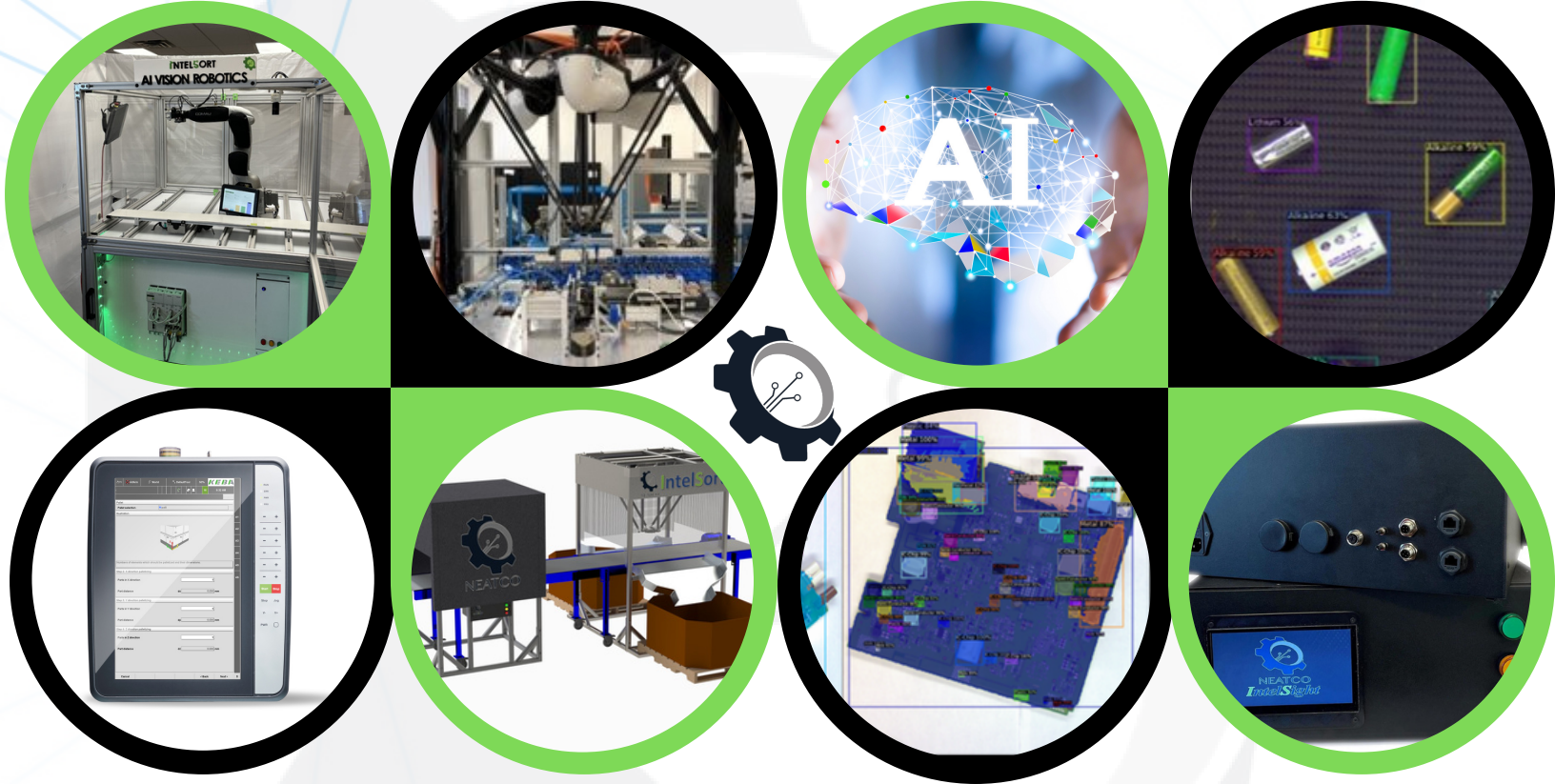
KeView is an efficient and fast visualization creation tool powered by Keba with the help of a powerful function library consisting of proven HMI components tested in industrial environments. The HMI pages include the following:

- Multi-robot application development
- Robot multi-tools control
- Multi-conveyor control & tracking
- Software-defined working area
- Palletizing & de-palletizing algorithms



IntelSort™

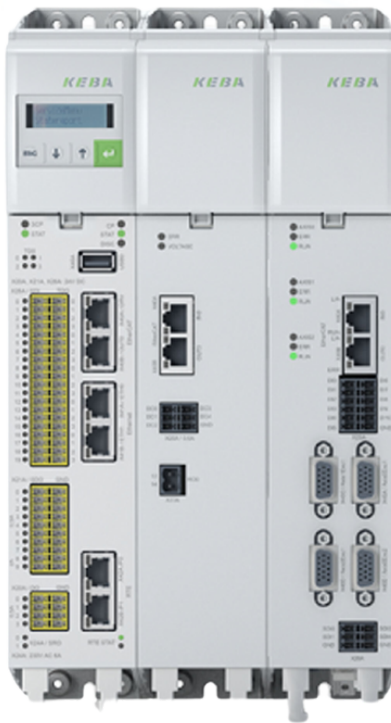
Features



- Scalable due to modularity
- Fast, efficient and affordable
- Path calculation and optimization to achieve the highest throughput
- AI-Powered vision for multi-conveyor tracking applications
- Fast robotic PLC programming powered by Keba Kairo language

Intelsort™

Performance HIGHEST MACHINE PERFORMANCE



UNIQUE CHARACTERISTICS

- Path prediction
- Path dynamic limiter
- Dynamic robot model
- Trigger with pre-warning time
- Multi-gripper control
- Belt control

FLEXIBLE AND EFFICIENT INTEGRATION

- Robotic upgrade to an existing line or stand-alone solution
- A modular design, fast development tools, and powerful libraries deliver rapid solutions
- Cost-effective and affordable solutions that fit your budget



IntelSort™

GUI

RICH GRAPHICAL INTERFACE



IntelSort™ is equipped with a custom-designed HMI optimized to sort and package applications. It includes a rich Graphical User Interface and configuring tool powered by KeView framework to suite your needs.

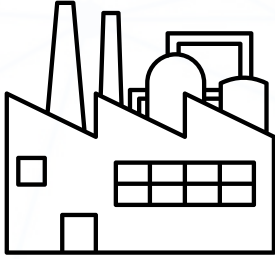


Other Benefits

- Optimal system performance due to fast and remote maintenance
- Training available for user maintenance
- Advanced simulation capability

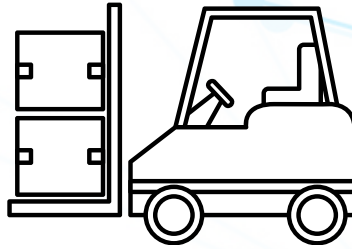
IntelSort™

Industrial Applications



Manufacturing

- Vision Inspection
- Process Improvement
- Waste Reduction
- Defect Analysis
- Robotic Assembly



Supply Chain

- Warehouse Automation
- Distribution Centers
- Packaging
- Quality Control
- Record-Keeping



Recycling

- Data Analytics & Reporting
- Equipment Performance Improvement
- Robotic Sorting & Dismantling
- Quality & Safety Monitoring

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