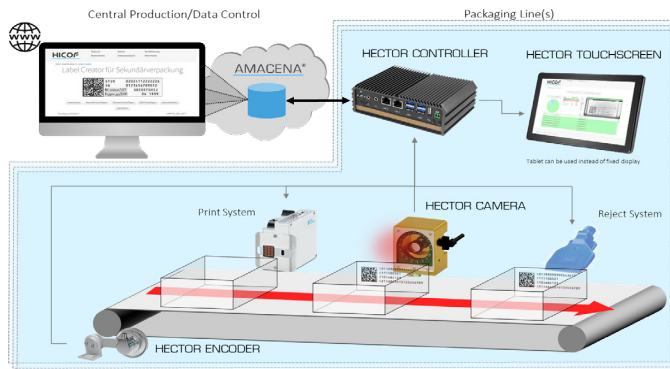


HECTOR

The Hicof HECTOR system allows to easily integrate track and trace and quality control capabilities to any industrial machine. The system is deeply integrated to the Hicof AMACENA Software which allows managing your aggregation and serial data across the enterprise.

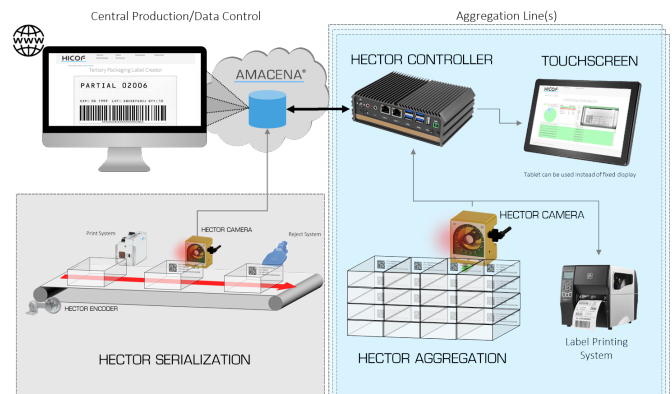
HECTOR for Serialization



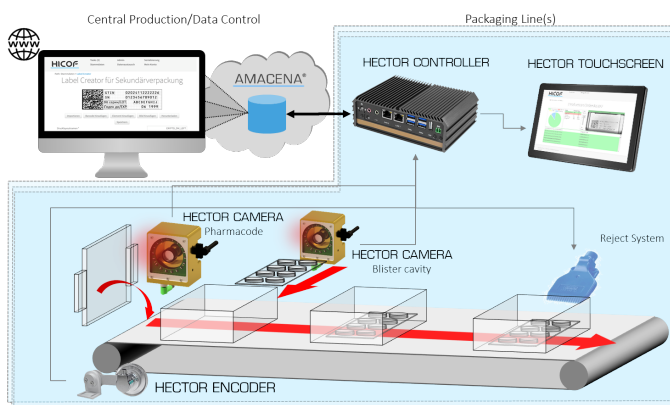
Hicof HECTOR can be integrated on any machine to manage the process of serial numbering with variable printing systems as e.g. Thermo Inkjet, Continuous Inkjet or Laser Printing. HECTOR includes a customizable kit of Hardware components which are all connected to the HECTOR Controller as central orchestrator of the machine. The Controller can be connected to the HECTOR Cameras which allows to perform print inspection according ISO15415 and OCR as well as to rejection systems. Additionally, HECTOR has an integrated register function which allows it to track the product through the machine based on encoder signals.

HECTOR for Aggregation

Beside Serialization HECTOR can be used to manage the process of aggregation of serialized product. HECTOR includes a customizable kit of Hardware components which are all connected to the HECTOR Controller as central orchestrator of the machine. The Controller is connected to the HECTOR Camera which allows to perform aggregation over multiple packaging levels thanks to a wide variety of optical systems. HECTOR can also be connected to Label printing systems as e.g. Thermal Transfer printers to create the individual identifier of the aggregated container.



HECTOR for Quality Inspection



Finally, HECTOR can be integrated into any machine to manage the process of visual quality inspection as e.g. Pharmacode reading, filling control of Blister cavities, quality inspection of tablets, quality inspection of molded products. HECTOR includes a customizable kit of Hardware components which are all connected to the HECTOR Controller as central part of the machine. The Controller is connected to the HECTOR Camera which allows to perform a wide range of quality inspections as well as to rejection systems. With its integrated register function HECTOR can track the product through the machine based on encoder signals.

HECTOR

HECTOR Hardware

HECTOR Cameras

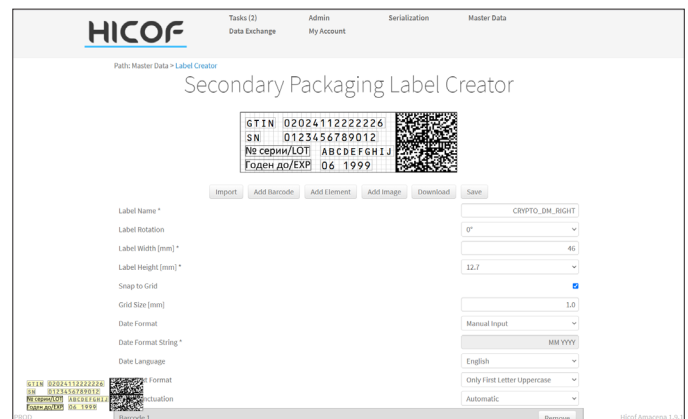


The HECTOR Cameras are part of a modular system which allows to customize the camera to the requirements of the individual application. Some of the general specifications that are available:

- 1.2-20 Mpix resolution for demanding aggregation applications
- USB3 or Ethernet interfaces
- Wide variety of fixed and autofocus lenses
- IP Protection and industrial build quality
- Small form factors for easy integration

The Label Creator

Hicof Amacena features a build-in web based label creator to create and adjust all print layouts for AMACODERS, HECTOR systems, and all connected tertiary label printers. The label creator allows GMP compliant change control of all label parameters across the enterprise.



HECTOR Controllers

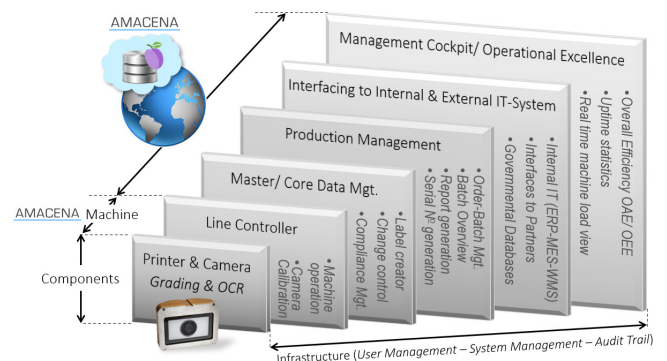
The HECTOR Controller is at every installation the core which hosts the databases and the user interfaces of all attached components. The controller is typically specified according to the requirements. Some of the general specification that are available:



- Up to 4 CPU Cores to drive multiple cameras simultaneously
- 24V power supply for industrial integration
- Available with 4G connectivity to the AMACENA Cloud
- 24V I/O

One System

Hicof AMACENA is a uniform system covering all serialization related topics in the enterprise. The solution works as monoblock which allows the customer to use the same user interfaces across AMACENA and HECTOR devices. This reduces efforts in training and operations.



Tochscreens

Hicof can offer stand-alone Touchscreens for HECTOR. Alternatively, the application can run on existing HMI's as Web-App. The standard monitors start at 15.6 inch size and can be customized to the requirements of the application.



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