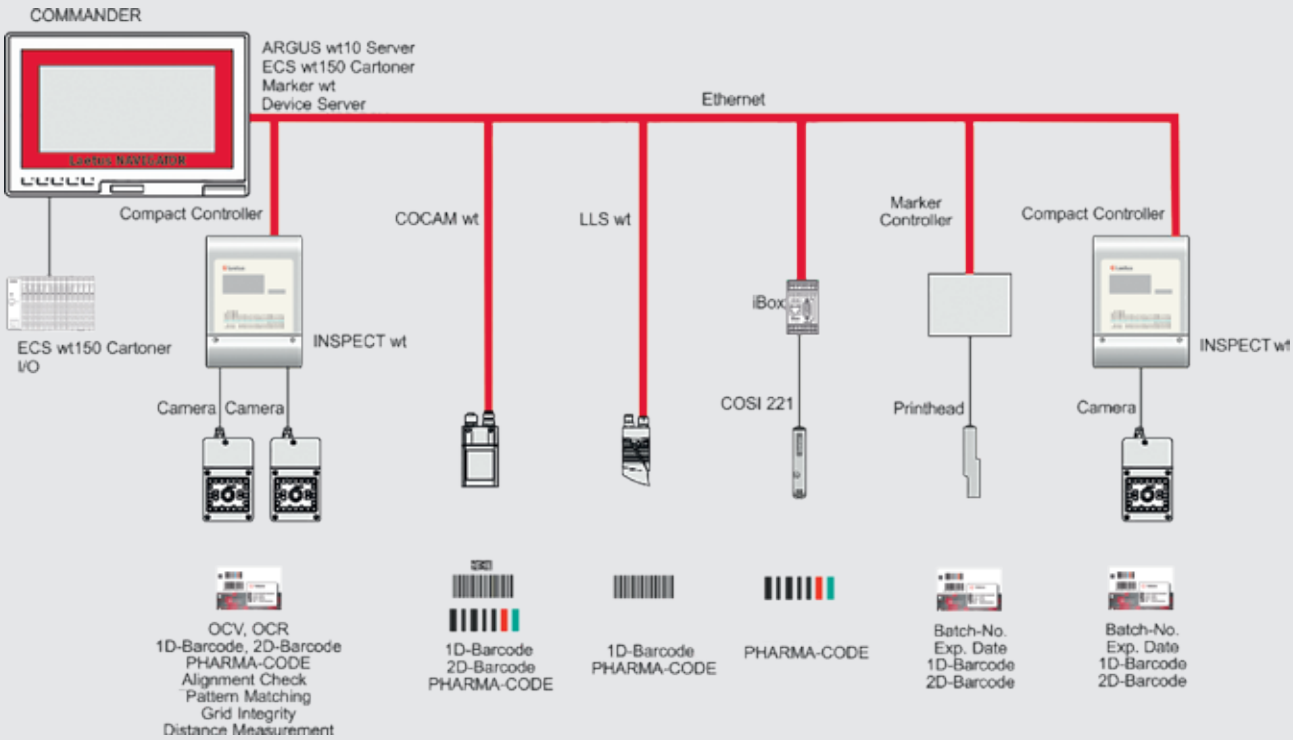
Laetus

wt-System

ARGUS

EN



ARGUS WT SYSTEM ARCHITECTURE

UNIQUE PACKAGING CONTROL

The ARGUS wt system is a modular, network-supported control system for reliable code verification and print control in the packaging process. An intelligent server controls data administration and access control for all connected wt devices. Every checkpoint along the packaging line can be operated centrally via the NAVIGATOR. The state-of-the-art browser is ideal for all touchscreen applications.

The integrated ECS wt150 eject control system provides additional safety, whereby all products that are not classified as "good" are ejected from the packaging process.

NAVIGATOR

State-of-the-art browser for packaging control

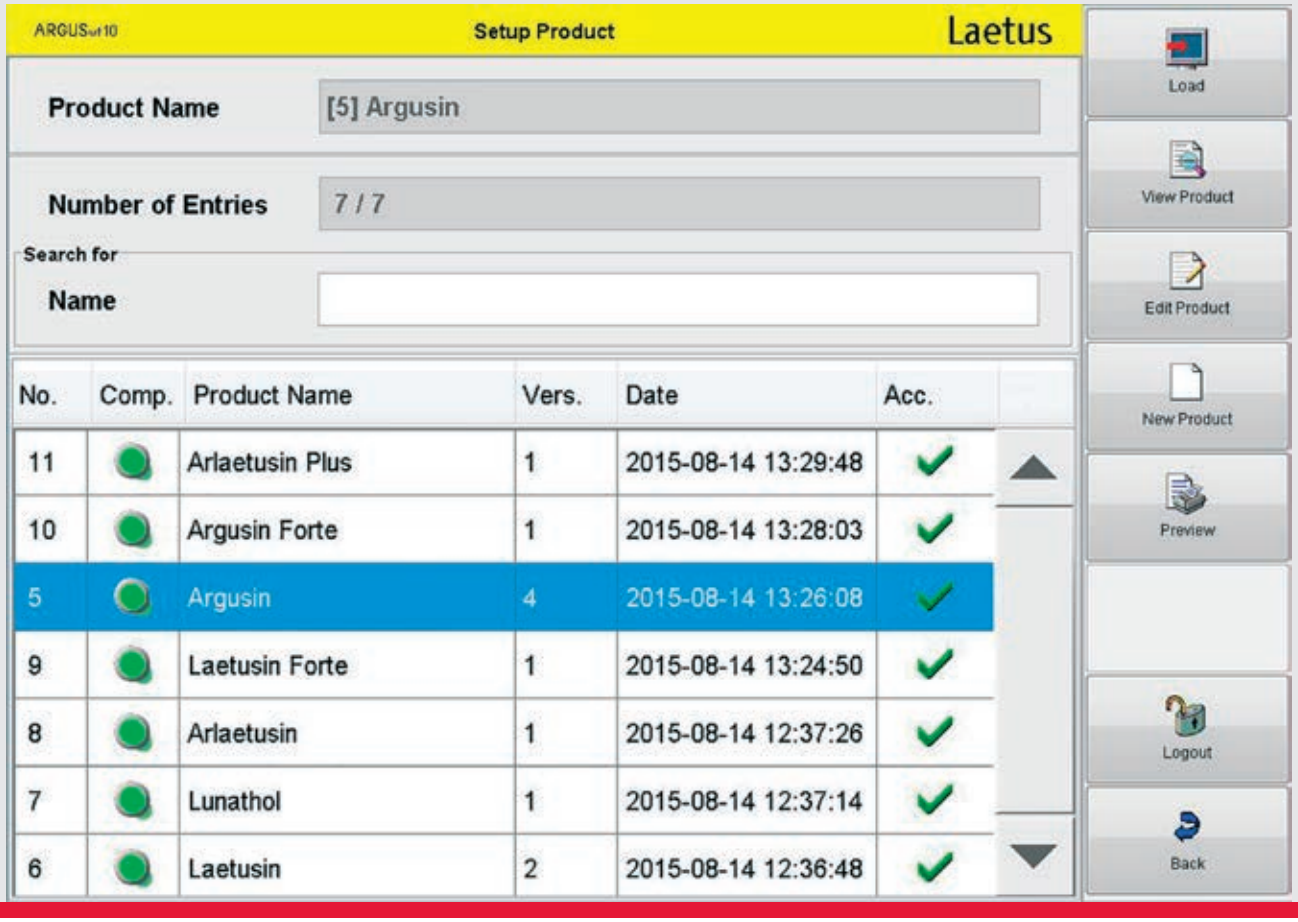
Central access to all wt checkpoints along a packaging line for:

- Code verification
- Presence / colour checking
- Fill inspection
- Print control (OCV / OCR)
- Quality control (INSPECT wt)
  - Pattern matching
  - Grid pattern testing
  - Alignment checking
  - Distance measurement
  - Colour analysis

All inspection devices connected to the packaging machines along the packaging line (labeller, cartoner, folding machine, etc.) can be visualised by opening the current operator screens.

The Laetus NAVIGATOR provides the following advantages:

- Ease of use thanks to standardised user interface
- Uniform access control
- Ideal for touchscreen applications
- Any number of devices can be connected for code verification and print control
- Plug-and-Play integration of all wt control devices without software update
- Can be used with virtually any operating system thanks to the use of Java technology
- All specific diagnostic functions of the wt control devices can be used

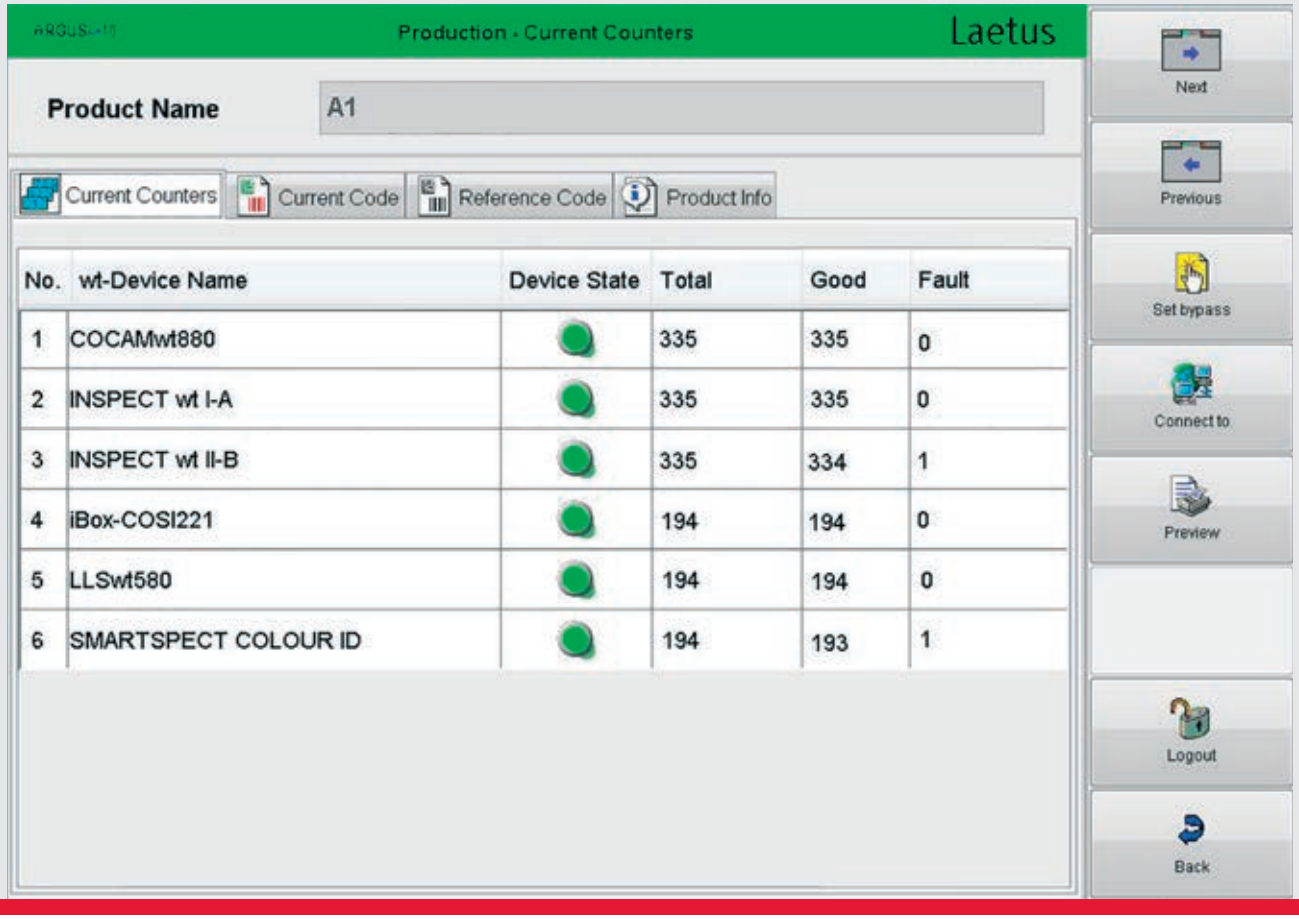


ARGUS wt10 SERVER

Intelligent server for control devices

As a data administration and access control system, the ARGUS wt10 server delivers an innovative concept in the pharmaceutical packaging process with:

- Product database
- User administration
- Device administration
- Audit trail



The ARGUS wt10 server provides the following advantages:

- Monitors all connected wt devices
- User-friendly definition, download and storage of device product data
- Easy to understand and rapid change of format
- Clear line or machine-specific compilation of checkpoints
- Combined user administration for all wt devices
- Reference data input using a hand-held scanner
- Functional readiness of all devices signalled either by ECS wt-150 or dBox wt10 C-IO

User administration:

- Function and user-specific password protection

Device administration:

- Any number of devices can be connected
- Update service with remote maintenance on demand

Audit trail:

- Support for requirements of 21 CFR Part 11

ECS wt150

Integrated eject control system

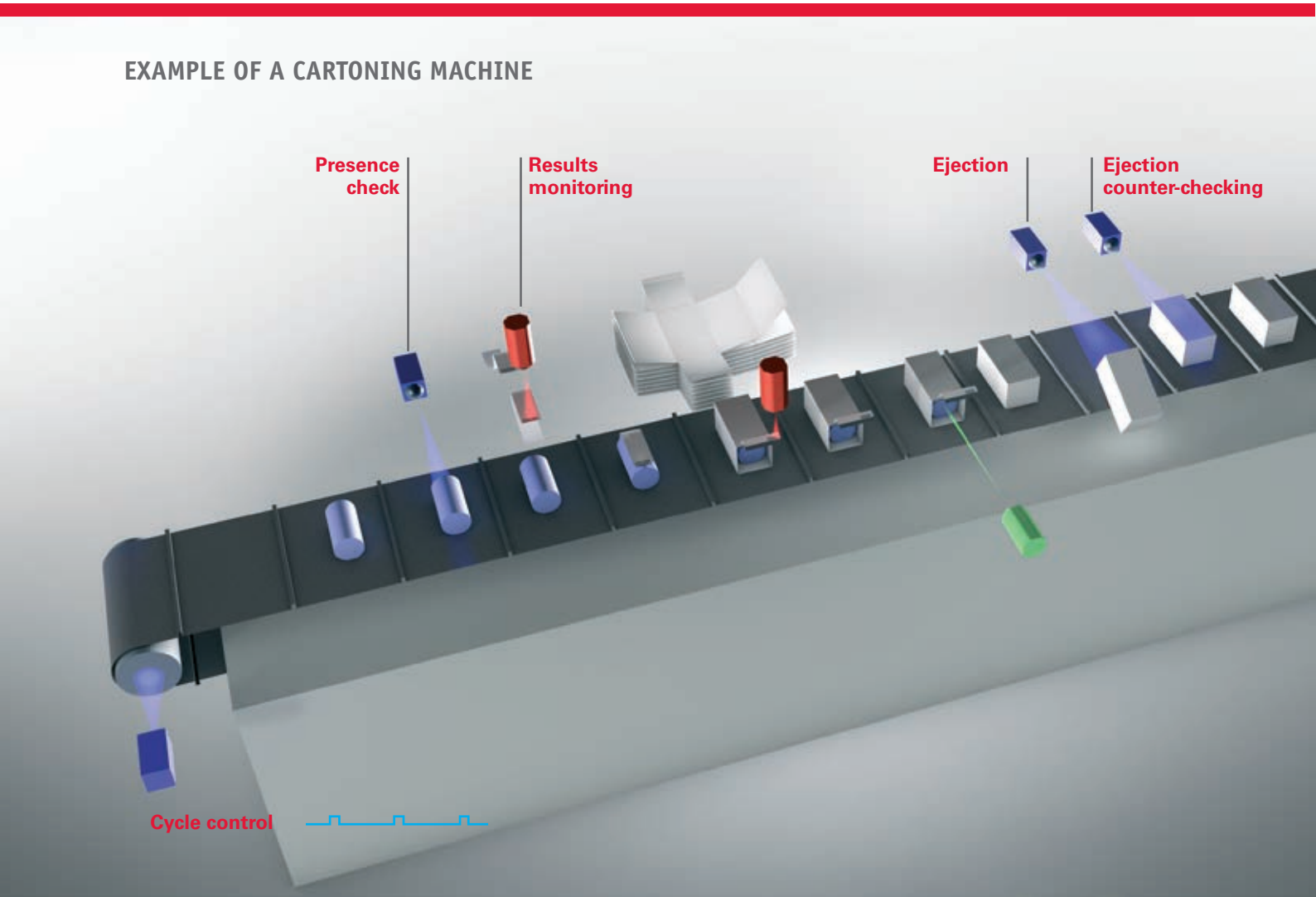
Cartoning machines • Tube fillers • Folding machines • Labellers

The ECS wt150 eject control system has been specifically designed for the special requirements of pharmaceutical packaging machines. Together with the ARGUS wt, it provides the requisite safety with regard to signal transmission. According to the "failsafe" principle, all products that have not been classified as "good" are ejected from the packaging process. This reliably prevents the products from being mixed.

ECS wt150 provides the following advantages:

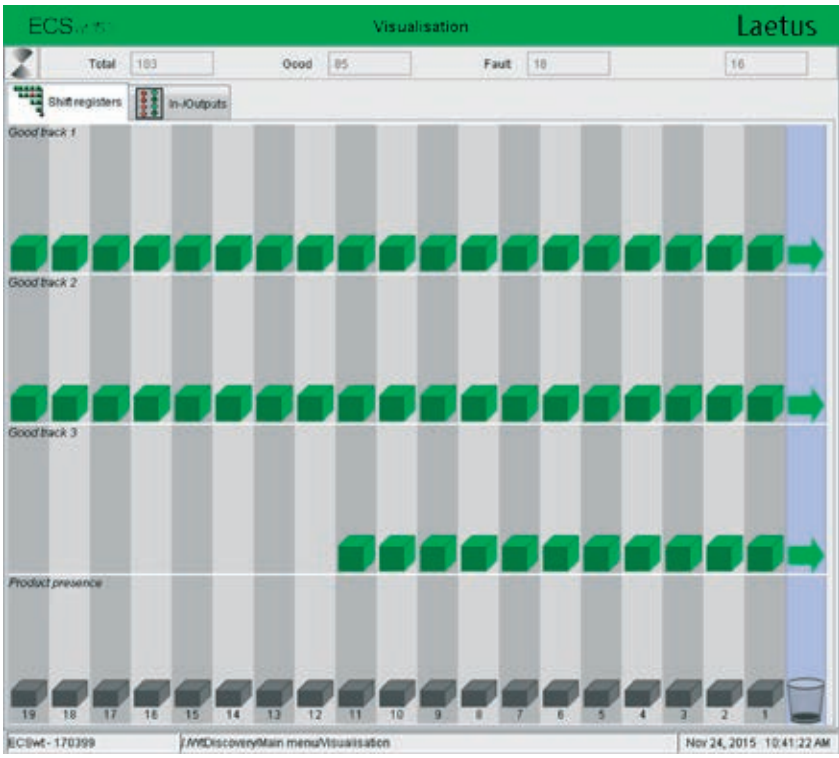
- Quick installation of the safety system
- Rapid change of format (stored product parameters)
- Minimal planning and programming effort
- Universal system that can be validated

EXAMPLE OF A CARTONING MACHINE



Properties:

- Shift register with up to eight tracks
- Individual results monitoring for each track
- Ejection synchronisation and control
- Freely configurable variables and error messages
- Combined with the ARGUS wt10 server, meets the requirements of 21 CFR Part 11
- Extra functions can be added (programmable according to IEC 61131-3)
- Remote maintenance possible via Ethernet
- Can be retrofitted to all COMMANDER control terminals of the ARGUS wt system



ARGUS wt system requirements

wt Module	Windows OS	Linux OS	Other
Laetus NAVIGATOR	XP, XP embedded x32 Embedded Standard 2009 x32 Windows 7 x32, x64 Embedded Standard 7 x64	Java Runtime required	Screen resolution min. 800 × 600 pixel min. 2 GB RAM min. 2 GB mass storage (ARGUS wt10 Server 10 GB) JRE 8 recommended
ARGUS wt10 server		No	
ECS wt150			
LLS wt580, COCAM wt880		Wine emulation required	
VDMAXML_P		Java Runtime required	

Laetus

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Laetus GmbH
Sandwiesenstraße 27
64665 Alsbach-Hähnlein
Germany
T (+49) 6257-5009-0
F (+49) 6257-3119
contact@laetus.com

www.laetus.com