

tech news

ENGLISH LANGUAGE VERSION // HEUFT SYSTEMTECHNIK GMBH // NEWSLETTER // **BrauBeviale 2014, Hall 5, Stand 311**

A new device generation

HEUFT SPECTRUM II: THE NEXT STEP!

A cross-system platform, a common machine human interface and numerous proven technologies: HEUFT will be showcasing three smart devices, which have just gone into series production, at BrauBeviale 2014 in Nuremberg, Germany. The systems of the new HEUFT SPECTRUM II generation, which

are capable of multiprocessing, focus on the user in a highly automated and self-explanatory manner. Therefore simply anyone can master complicated processes and functions – even without any previous knowledge. The modular devices work completely independently during 99 per cent of their oper-

ating time. Even the position of the detection units automatically adapts to the respective container format. The audiovisual HEUFT NaVi user guidance (see page 2) extends the capabilities of the human should he need to take

any action and makes the reliable operation of the new system simply easy.

Find out more about the new HEUFT smart devices on page 2.



SIMPLY MORE PERFORMANCE:

- future-proof central control unit for the most varied modules, systems and applications
- extremely high degree of automation
- 70 per cent cross-system component equality – long-term availability of spare parts
- proprietary operating system – independent of external product and support cycles and no vulnerability to viruses or malware whatsoever
- newly developed core processor for a considerable increase in computing power – a new CPU replaces eight old ones
- in-house developed HEUFT ISI bus for real-time signal transmission with minimum amount of wiring and significantly reduced susceptibility to faults
- four times the precision during the to-the-millimetre product tracking

SIMPLY A BETTER OVERVIEW:

- high resolution 15 inch touchscreen
- real-time display of the detection pictures in full screen mode
- easy archiving of pictures of faults
- self-explanatory human machine interface with voice output via integrated speakers or Bluetooth headsets
- audiovisual HEUFT NaVi user guidance with extensive assistance (see page 2)
- RFID login with personalised access rights
- multimodal indicator lights for displaying the current device status in detail
- online connection for production data acquisition and line analysis as well as for remote diagnosis and maintenance via the HEUFT TeleService

IN-LINE INSPECTION

EMPTY BOTTLE INSPECTION

FOREIGN OBJECT DETECTION

CONTAINER REJECTION

LINE EFFICIENCY

MODULAR DESIGN PRINCIPLE

X-RAY FLASH OVER 1000 EMPLOYEES

35 YEARS

QUALITY CONTROL / QUALITY ASSURANCE

PRODUCT SAFETY

15 LOCATIONS

LABELLING

FULL CONTAINER INSPECTION

HEUFT IS SYSTEMTECHNIK

WORLDWIDE 24/7 SERVICE

SIMPLY EASY!

FILL MANAGEMENT

HEUFT SPECTRUM II: THE NEXT STEP!



The HEUFT NaVi // audiovisual user guidance

MASTERING COMPLEXITY

The system reports that a trigger is dirty. To be honest I have absolutely no idea what a trigger is, let alone where to find it. I don't need to either. Because thanks to the HEUFT NaVi it is self-explanatory: an integrated assistant speaks to me and shows me where the malfunction is. A message appears on the touchscreen at the same time. And a HEUFT checkPoint flashes at the photocell in question. Therefore this is where the problem is! It is explained to me step by step how to solve it. I now know exactly what I need to do. Finished! I have restored the full operational reliability of my HEUFT SPECTRUM II system without any previous knowledge. The inspector of the new generation now performs its tasks completely independently

again – as it does in more than 99 per cent of its total operating time. Otherwise the HEUFT NaVi is always there for me! The audiovisual user guidance supports me individually: with intuitively understandable tutorials and assistants, eye-catching flashing HEUFT checkPoints at each of the device components in question and not least with its voice output. Therefore complex technologies and processes can be mastered without any previous knowledge. This makes the reliable operation of the highly automated HEUFT SPECTRUM II systems simply easy!



Discover more ...



The HEUFT InLine II IXS // empty bottle inspector

MAKING THE INVISIBLE VISIBLE

The only empty bottle inspector with pulsed X-ray technology based on the HEUFT SPECTRUM II for the first time: the HEUFT InLine II IXS has X-ray strobes in addition to proven detection procedures in order to also find such quality defects which were not considered to be detectable up to now. Even glass splinters surrounded by residual liquid, which are not visible to the naked eye, are reliably identified by it. The same applies to base chips

and shell-shaped fractures. The easy-to-use system achieves maximum detection accuracy during the continuous inspection of empty bottles in conjunction with optical technologies, the HEUFT reflexx² real-time image processing system and a new level of automation.



Discover more ...

The HEUFT eXaminer II XOS // full container inspector

FINDING EVERY FOREIGN OBJECT

What one does not find is found by the other: there are also two fully developed detection technologies in the HEUFT eXaminer II XOS. Therefore the full container inspector of the new generation identifies all types of foreign objects and many other critical faults. It tracks down solid objects such as glass splinters by means of X-ray strobes and low density contamination such as scraps of film as well as

defects on the bottle itself by means of illumination and camera technology. The HEUFT reflexx² real-time image processing system with learning ability ensures the highest degree of selectivity and accuracy during the inspection which covers the complete volume of the container.



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The HEUFT SPECTRUM II & the HEUFT reflexx²

REJECTION RELIABILITY HIGH – FALSE REJECTION RATE DOWN!

Only rejecting and disposing of that which really has to be rejected: that is how to save real money! The new HEUFT SPECTRUM II platform already makes a sustainable contribution to a trouble-free production process due to tracking and determining the posi-

tion of each individual container even more precisely (see page 1). A positive effect which is further reinforced by the HEUFT reflexx². The real-time image processing system, which is integrated in the inspection devices of the new generation as standard, detects

the most varied objects even more specifically. But that is not all: in addition the characteristics which have been identified can also be classified and individually taught in. Therefore you can define yourself whether the anomalies stand up to your specific quality requirements or not.



Discover more ...

As a result only that which has to be rejected is rejected: bottles with really critical defects.



HEUFT X-ray technology

X-RAY FLASH INSTEAD OF A PERMANENT BEAM!



AN ABSOLUTELY UNIQUE FEATURE:

HEUFT systems emit X-ray flashes – each lasting only a millisecond. And that only when there really is a bottle to be inspected in the inspection area. This reduces the radiation exposure by a factor of 100 on average when compared with conventional scanners with permanently activated X-ray technology. There is absolutely no emission during 99% of the operating period! Furthermore the short exposure time prevents motion blurs impairing the detection accuracy even during high-speed operation: therefore even minute foreign objects and defects become clearly visible.

The HEUFT prime // full container check

SELF-EXPLANATORY TECHNOLOGY

The HEUFT prime is the forerunner: the compact full container check, which already went into series production at the beginning of 2013, is the first device which turns the operator into the user in conjunction with the HEUFT NaVi. Therefore just anyone can manage the functions for the fill level, closure, inner pressure and label checks as well as the burst bottle and serial fault detections without any special previous knowledge.



Discover more ...



The HEUFT SPECTRUM II VX // fill management

DETECTING AND PREVENTING

Finding faults reliably is one thing but to expose their causes in good time is another: both are child's play with the HEUFT SPECTRUM II VX! The fill management system of the new generation detects faulty fillings, closure faults and

many other quality defects simply reliably. With an integrated quantifying system, serial fault detection and continuous monitoring it uncovers losses in performance of the master machines, such as the filler and closer, before they can bring the productivity of the complete line to a standstill. The "guilty" filler valves and closer heads are located in good time. This makes quality assurance and preventive maintenance simply easy.



Discover more ...

The HEUFT e-mono // rejection system

REJECTING WITHOUT COMPRESSED AIR

It does not need any compressed air for the reliable rejection of faulty bottles: the HEUFT e-mono. It is driven by an in-house developed electric motor which practically only uses energy itself during the rejection process. The bottles always arrive exactly where they should in the course of this due to the load-dependent control system – regardless of the filling quantity or the weight.

The compact, easy to install HEUFT e-mono, which is extremely quiet and virtually free of wear and maintenance, is the ideal solution for the aseptic filling process and all line locations without their own compressed air connections.



Discover more ...



International Featured Standards (IFS)

CERTIFICATION MADE EASY!

Whether IFS Food 6 or IFS Global Markets Food: the trade and consumers are also putting smaller breweries increasingly under pressure to have the safety and quality of their processes and products certified in accordance with the International Featured Standards (IFS).

HEUFT will support you with this:

- we will advise you individually when selecting suitable detection technologies
- we supply tailor-made systems with integrated self-test functions for regularly validating the detection performance
- we provide practice-oriented IT tools for the recording and long-term archiving of detection pictures as well as other relevant production data and operating figures

It is easier for you to implement the IFS certification with HEUFT products and therefore to optimise the competitiveness of your business and the confidence of your customers in the safety and quality of your products!



The HEUFT canLine // empty can inspector

A PRECISE EXAMINATION

Removing faulty empty cans before they can endanger the safety of the final product and the efficiency of the complete filling line. This is also possible with the latest version of the HEUFT canLine even at particularly high line outputs of up to 144,000 containers per hour. It identifies out of shape flanged edges, which can cause productivity losses due to closer obstructions, just as reliably as dents, dirt on the inner sidewalls and foreign objects on the base of the can.



Discover more ...



The HEUFT spotter SF // full container inspector

A UNIVERSAL SOLUTION

The current version of the HEUFT spotter SF now also checks the fill level, the presence of the closure and the labels and crown corks for leaks in addition to the optical detection of foreign objects and defects in transparent full bottles.



Discover more ...



The HEUFT *InLine* // empty bottle inspector

FULL PERFORMANCE IN A CONFINED SPACE



A linear empty bottle inspector from the technology leader: this is something that even smaller filling companies, such as private breweries with comparatively low line speeds and limited space, do not have to miss out on. The modular HEUFT *InLine* fits into the smallest of spaces due to its base area of only one square metre! A gap

of considerably less than two metres is quite enough in order to guarantee full detection reliability during the continuous inspection of the complete base, finish and sidewall area. The precise integration of the empty bottle inspector is also possible if there is even less space available by relocating individual components to other sections of the

line. A particularly compact version of the empty bottle inspector especially for smaller filling companies can be experienced in action at the BrauBeviale exhibition!



Discover more ...



24/7 on-call duty

HEUFT WILL NOT LEAVE YOU ON YOUR OWN!

We will remain a reliable partner at your side even after the purchasing and commissioning phases in order to ensure the full availability of your HEUFT system in the long term. Day after day. Around the clock. All over the world.

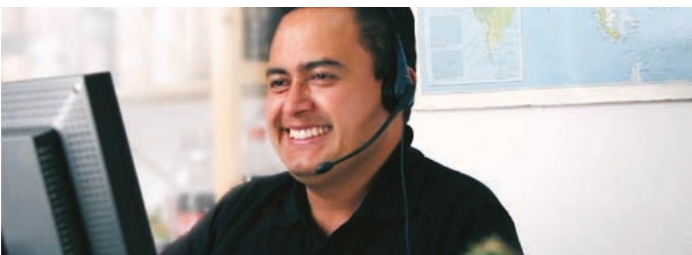
Competent support is provided by

- the HEUFT *TeleService* for online remote diagnosis and maintenance
- the HEUFT *PhoneService* for intensive advice on the telephone
- the HEUFT *DirectService* for prompt on-site visits

You can also benefit from our extended 24/7 on-call duty! An after sales support contract with tailor-made service and maintenance packages offers particularly attractive conditions.



Discover more ...

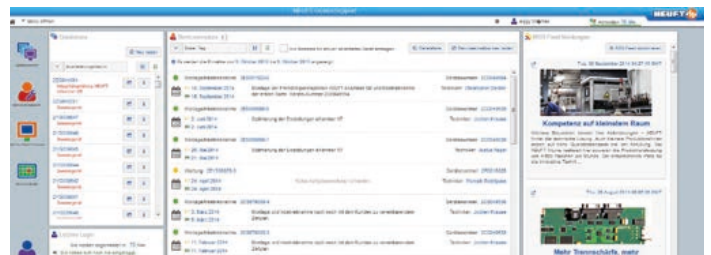


The HEUFT *DeviceSupport*

AN EYE ON EVERYTHING AND EVERYTHING UNDER CONTROL!

Live access instead of a device CD: our new customer portal the HEUFT *DeviceSupport* has gone online with the serial production start of the HEUFT *SPECTRUM II* platform. It always provides you with a complete overview of the status of all the HEUFT systems installed. Whether technical documents, operator's manuals, assembly instructions, real-time counter readings and messages or 3D spare parts lists: the new portal always keeps you up to date. In addition the integrated service toolbox provides firmware updates, back-up functions and extensive possibilities for device

administration as well as all the service reports and plans of action. A direct connection to the HEUFT *TeleService* and the training courses of our online learning system round off the offer. The HEUFT *DeviceSupport* replaces the device CDs used until now which are easily lost, become obsolete and reach their capacity limits. On the other hand the new online customer portal is convincing due to easy accessibility, consistent relevance, optimum management of access and user rights and a practically unlimited data volume with maximum data security.



GET IN TOUCH!

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