



**Hecht Innovations**  
Presentation of our highlights at Ligna 2015.

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**Opto-DesQ Vmax**

Near-perfect precision – in just a minute or less.

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**Competent and versatile**

Precise measurement of any shape you wish in the automobile and glass industry. > **PAGE 4**



**HECHT**  
Electronic AG

# hecht direct



**01** 2015

EDITORIAL

Dear Business Associates,

the Ligna 2015 world trade fair in Hanover is fast approaching, with its main themes captured in the straplines “surprisingly versatile” and “networked manufacturing”. For us, this is a chance to show you how your production capacity can be significantly increased using intelligent technology made by Hecht Electronic AG. We’d like to take this opportunity to invite you to join us - with numerous refinements and innovations we’ll be presenting Hecht’s own interpretation of “Industry 4.0” in Hall 26, stand E 38. For many years now, and in the light of the increasing complexity of issues, we have attached great importance to using our four decades of extensive experience to develop intelligent, forward-looking system solutions for our clients.

Michael Hettich (Chairman)

## BE THERE WHEN THE CURTAIN GOES UP!

Our Ligna motto: precision wins



EXPERIENCE OUR  
**INNOVATIONS**  
AT LIGNA 2015

### Our highlights at Ligna:

- > Increased operating convenience:  
Exenso length stops & Exenso sawing machines
- > New design: Pc-DesQ
- > Updated software: Opto-DesQ Vmax
- > Parts identification:  
3D HawkEye with colour measurement
- > A view of the future: Duplex-Inline-Scanner for single-unit batches

### HECHT AT LIGNA

Secure your consultation appointment at the fair today by applying to [info@hecht-electronic.de](mailto:info@hecht-electronic.de) with your chosen date and number of entrance tickets requested.

Hecht is one of the stops on the LIGNA networked manufacturing guided tour

**LIGNA**

- > Hanover
- > 11 to 15 May 2015
- > Hall 26 · Stand E 38

# Our highlights at Ligna 2015.

The efficient use of intelligent technology has become indispensable to maintaining your position in the competitive environment.

## Increased operating convenience:

### Exenso length stops & Exenso sawing systems

Equipped with a new touchscreen display and reworked software, Exenso length stops have become even simpler and easier to use.

Exenso saw systems have long been used to cut more than aluminium and plastic profiles for the kitchen and window industries. The systems are also being very successfully used to manufacture C and L profiles, cornice profiles, skirting boards, aluminium cases, picture frames, and interior finishing on ships. The saw systems are available in various configurations.



## New design: Pc-DesQ

The aluminium base plate is new, with a better surface finish. The touchscreen monitor, measuring programs and results report combine to form a user-friendly design so furniture components or single components of all types can be measured quickly and reliably.

## Updated software: Opto-DesQ Vmax

Hands-free measuring with the **Opto-DesQ Vmax**: this fully automatic measuring table is the preferred choice for serial production. Improved software tools and motor technology make the system even faster and more powerful.

## Parts identification with the 3D Hawkeye Scanner

A further highlight is the **3D Hawk-Eye Scanner** combined with a colour sensor which guarantees definitive component identification by perfectly measuring the surface colours. According to the painting process used, the scanner measures the profiles with 3D cameras and compares them with the learnt contours. Since colours are also measured automatically, the part is definitively identified - while saving money and the environment.

## A view of the future: Duplex-Inline-Scanner for single-unit batches

The newest generation of **Duplex-Inline-Scanners** suitable for single-unit batches feature forward-looking

progress. They enable the best possible process control when integrated into the production line or before high-bay storage. Double-sided top and bottom surface borehole measurement for component sizes of up to 1,500 mm is a new feature. Outer dimension and corner measurement is also possible. Market interest is substantial – the first orders from Germany and Italy are about to be delivered. ■



## Ballerina Küchen uses Hecht Systems

### COMPANY PROFILE



Rödinghausen's Ballerina Küchen produce 25,000 individual, high-end kitchens annually and have some of the most modern machinery at their disposal.

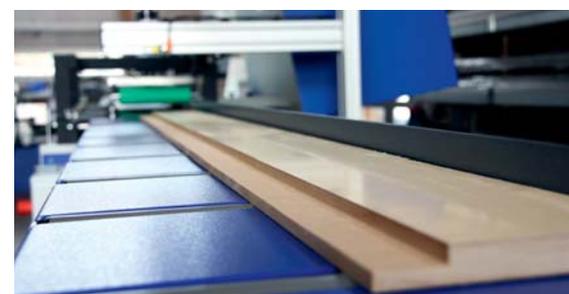
So it comes as no surprise that Ballerina relies on Hecht's intelligent technology. Together with 3 measuring tables, an Exenso saw system for

sawing C and L profiles is also being successfully used for handleless kitchens.

An additional milling machine has now been acquired to produce cornice and handle profiles and skirting boards. It is being successfully used by window manufacturers as well as in the kitchen industry. The saw is designed for a wide range of materials: from MDF, particle board and hollow plastic profiles to painted workpieces or workpieces with a 1mm stainless-steel coating.

The technical details are persuasive in every respect. The length stop moves to the measurement and automatically

sets the angle from 44° to 136° with angle correction and infinite variability. Data is loaded directly from the network. The tried and tested Exenso controls make it easy to operate. The operator buffers the sawed skirting boards on a roller conveyor to transfer them in stacks to the packing machine. Labels are printed afterwards. ■



↓ Duplex Inline Scanner for 100% control: double-sided borehole and dimensions measurement within the production chain.



### VIEW OF THE MACHINE

#### Added value benefits

- > borehole position and diameter measurement
- > system recognizes grooves, milling grooves and free forms
- > transfers measurements to CNC machine if needed
- > works at a feed rate of up to 60 m/min
- > measurement tolerance of +/- 0.2mm



## Decorative Panels prefers Hecht Opto-DesQ Vmax: Near-perfect precision.

In 2011, the English manufacturer invested in a measuring table from our Standard-DesQ series, ordering two further measuring tables in 2014, this time Opto-DesQ Vmax models. Operations director Phil Dalton explains: "The measuring tables measure the furniture parts and boreholes so exactly that an improvement to this level of quality would not have been possible by

traditional means." An additional goal was to significantly decrease downtime during set-up. The Opto-DesQ Vmax ensures that the part is measured precisely – and in just a minute or less.

With our extensive experience in the furniture sector, Hecht measuring tables are perfect for use in the furniture industry. ■

### COMPANY PROFILE



YOUR PERFECT PARTNER

The Decorative Panels Group from England is a market leader in supplying processed wood composites, finished components and flat-pack furniture for the RTA sector. The group now owns almost 52,000 m<sup>2</sup> of production space.



## Competent and versatile

The Ligna strapline “surprisingly versatile” applies to Hecht in every respect since its systems are versatile and can be used in many different and demanding sectors. Our clients include manufacturers of glass products and renowned automobile and aeroplane manufacturers, both domestic and foreign.

Hecht covers everything: simple measuring stops, manual measuring tables, automatic measuring tables and inline measuring. Which solution is the most economical depends principally on operational requirements.

## Measure any shape you like - precisely

### Automobile industry

**Laser-DesQ.** Hecht’s know-how is especially impressive in the area of tactile and optical measuring. An automobile industry request for measuring absorbers for bumpers was solved with the special 3-axle coordinate plane table. The challenge: the components have flexible shapes and measurement needed to be done in under a minute. Most parts are slightly curved and have corners and edges. The measuring area was specified at 2,000 x 1,500 mm. Multiple sensors were used to measure these flexible shapes; they measure geometrics and edges at various points. Besides prototypes, samples were also measured. The entire control and software system comes from Hecht’s development department and has more than convinced the most demanding clients from the automobile industry.

The system can measure any geometrics for the most diverse materials, quickly and safely.



### Glass industry



**Glas-DesQ.** For ceramic hobs or fronts, forms and recesses must be right. Since certain features are barely visible, they are backlit for measurement. The operator measures the various dimensions with a laser pointer and records them. The data is sent directly to his PC via the interface. According to the application, the plexiglass surface can be dimmed or its colour changed. The measuring points can be exactly positioned with an additionally incorporated fine adjustment. With an accuracy of 0.1 mm, the operator can evaluate the disc in question precisely and achieve a high level of manufacturing quality.

## News.flash

### ■ Growing stronger



Arkadiusz Zielonka

The Hecht team has grown since April 2015. Arkadiusz Zielonka in technical sales is your specialist for advice

or new requests. He would love to meet you to learn about your own particular needs and give you the best possible advice.



Alexander Winter

Alexander Winter is an experienced manufacturing mechatronics engineer. He looks forward to building and commissioning your system.

### ■ Trade fair preview 2015

**Ligna – Leading world trade fair for the forestry and wood industry**

- > 11 to 15 May 2015
- > Hanover
- > Hall 26 · Stand E38

### **DREMA**

Machines and tools for the wood and furniture industry

- > 6 to 9 October 2015
- > POSEN [POLAND]

Represented by: Hecht Polska

### **Blechexpo**

International trade fair for sheet metal processing

- > 3 to 6 November 2015
- > Stuttgart



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