Erhardt+Leimer

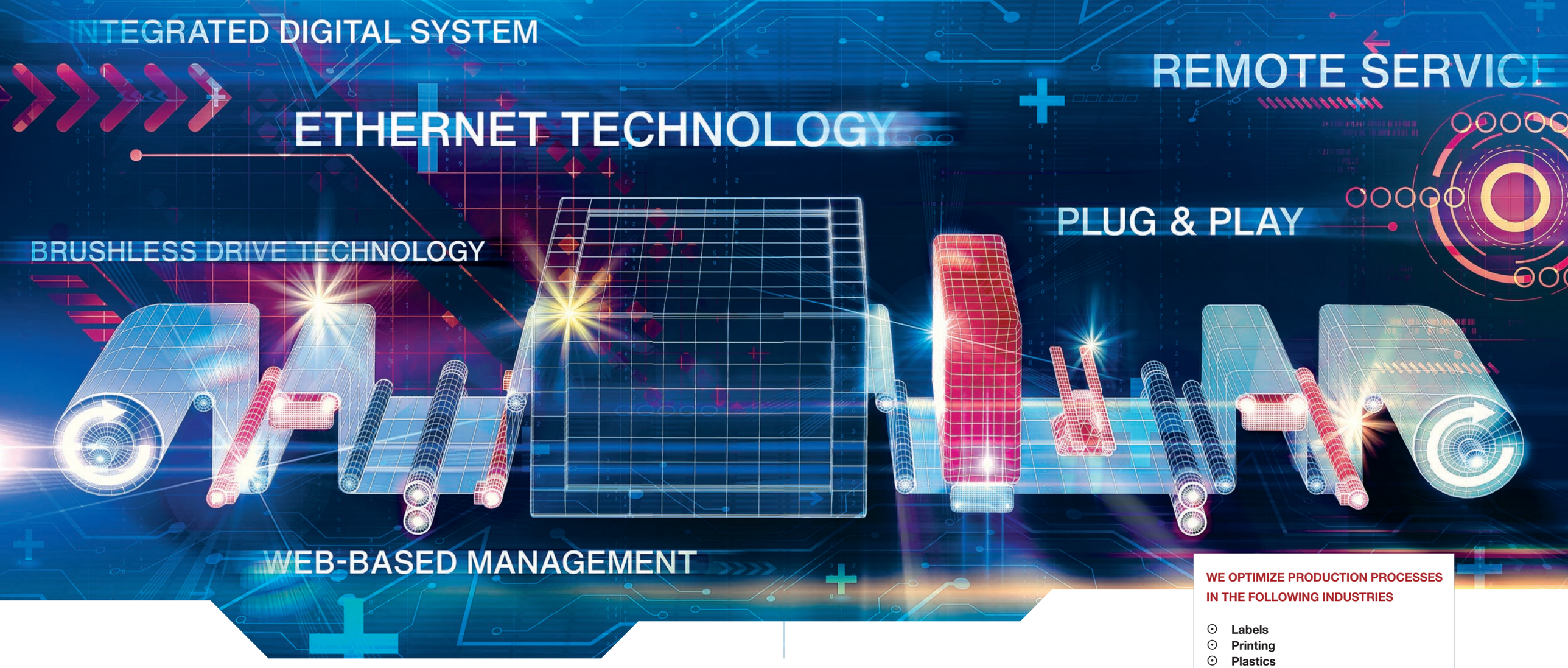
#STARTSMART

Intelligent technology for your smart production process

INTEGRATION
OPERATION
SERVICE

ELNET

www.erhardt-leimer.com/elnet ▶▶▶▶▶



Join the production of the future!

#STARTSMART with EL.NET

Boosting productivity – Ensuring consistently high quality – Minimizing downtimes

With EL.NET we provide the tools you need to master Industry 4.0 processes. EL.NET will optimize your entire production process on the basis of a digital, network-capable, IoT-capable, and web-based system architecture. The system can be adapted without any problems to your current production processes and to your future production setup.

In our EL.NET control system, digital E+L components connect together consistently in a network and in this way make possible straightforward, quick integration into the customer's network. All devices automatically and selectively exchange data relevant for optimal control within a production plant.

With EL.NET, up to 255 control systems can be connected together in a network. **Here, the data acquired at all levels of the production process makes up a decisive part of the automation. This data creates high levels of transparency and makes it possible to monitor and to optimize processes in real time – and to therefore minimize downtimes and production waste.**

Every EL.NET device is equipped with an integrated web server, which is used to share data and functions. This enables user-friendly, guided commissioning, optimization, and service via web-based management, i.e. using a standard web browser – without any need for dedicated software. The EL.NET components also include our digital edge and color line sensors, controllers, and brushless – and therefore wear-free – actuating drives. Cabling and power supplies to the devices are provided via PoE, which is a very simple solution. Commissioning is also quick and trouble-free via plug & play.

The components flexibly adapt to new requirements, minimize retooling times, and thus guarantee efficient production. Integrated fieldbus interfaces and optional fieldbus modules make the process of connecting E+L control systems to a customer controller a straightforward task.

WE OPTIMIZE PRODUCTION PROCESSES IN THE FOLLOWING INDUSTRIES

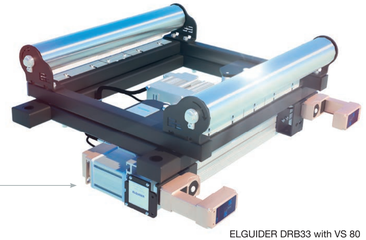
- **Labels**
- **Printing**
- **Plastics**
- **Converting**
- **Packaging**
- **Beverages**
- **Hygiene**
- **Energy & electronics**

WEB GUIDING SYSTEM

WHAT ADVANTAGES DOES EL.NET TECHNOLOGY OFFER? With optimized components, costs, time, and space requirements are all reduced. All control systems feature integrated fieldbus interfaces, enable unlimited networking, and can be taken into operation with any browser. The open system architecture allows fast data exchange between systems.

EL.NET Cutting edge technology

VS 80 support beam with DN 40 data network center



ELGUIDER DRB33 with VS 80

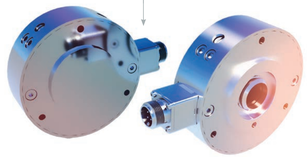
10 SEC

- SPEED SETUP
- COMMISSIONING, OPERATION, AND MAINTENANCE VIA WEB-BASED MANAGEMENT
- WEAR-FREE, BRUSHLESS MOTOR

WEB TENSION SYSTEM

WHY MEASURE WEB TENSION? Consistent quality boosts output and reduces downtimes. Whether analog outputs or via Ethernet – you always have full access to actual web tension values, limit values, or alarms.

DISPLAY	DIGITAL MEASURING AMPLIFIER WITH TOUCH OPERATION
WEB TENSION MEASUREMENT	FLANGE LOAD CELL, BLOCK LOAD CELL



ELTENS PD 21 with PA 62

100%

- NETWORKABLE SYSTEMS
- GRAPHIC TOUCH PANEL
- WEB TENSION TREND FOR PROCESS ANALYSIS

WEB MONITORING SYSTEM

HOW CAN YOU ENSURE THE HIGHEST PRINT QUALITY? With our patented dualView method, brilliant resolution in 4K, and a new setup concept, integrated in a space-saving designer housing. Our OMS3 unit offers web monitoring to the highest quality standards at an unbeatable price.

OPERATING PRINCIPLE	TRAVERSING CAMERA SYSTEM FOR PRINT IMAGE MONITORING
TECHNOLOGY	DUALVIEW TECHNOLOGY WITH 2 X 4K CAMERA RESOLUTION

ELSCAN OMS3

4K

- IMAGE QUALITY
- DELAY-FREE, DIGITAL ZOOM
- SUITABLE FOR A WIDE RANGE OF MATERIALS

PRINT IMAGE INSPECTION SYSTEM

WHAT IS UNIQUE ABOUT SMARTSCAN? The 4K resolution in combination with our special image capture technology that uses both incident light and transmitted light delivers sharp images with plenty of contrast so that even tiniest deviations can be identified – including for UV applications. Checking the print template is made even easier with the PDF comparison feature.

OPERATING PRINCIPLE	200% INSPECTION WITH DOUBLE EVALUATION METHOD
OPERATION	SELF-LEARNING 1-BUTTON SETUP

SMARTSCAN

200%

- INSPECTION
- 100% AFFORDABLE
- 0 DEFECTS

E+L product portfolio

#STARTSMART

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INTEGRATION

EASY INTEGRATION INTO THE CUSTOMER NETWORK

Speed setup | Web-based management | Self-organizing system

E+L product portfolio

OPERATION

OPTIMIZED, DYNAMIC CONTROL LOOP

Integrated digital system | Big data | Brushless, wear-free drive technology

SERVICE

PREDICTIVE MACHINE MAINTENANCE

Integrated service tools | Plug & play | Remote service

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