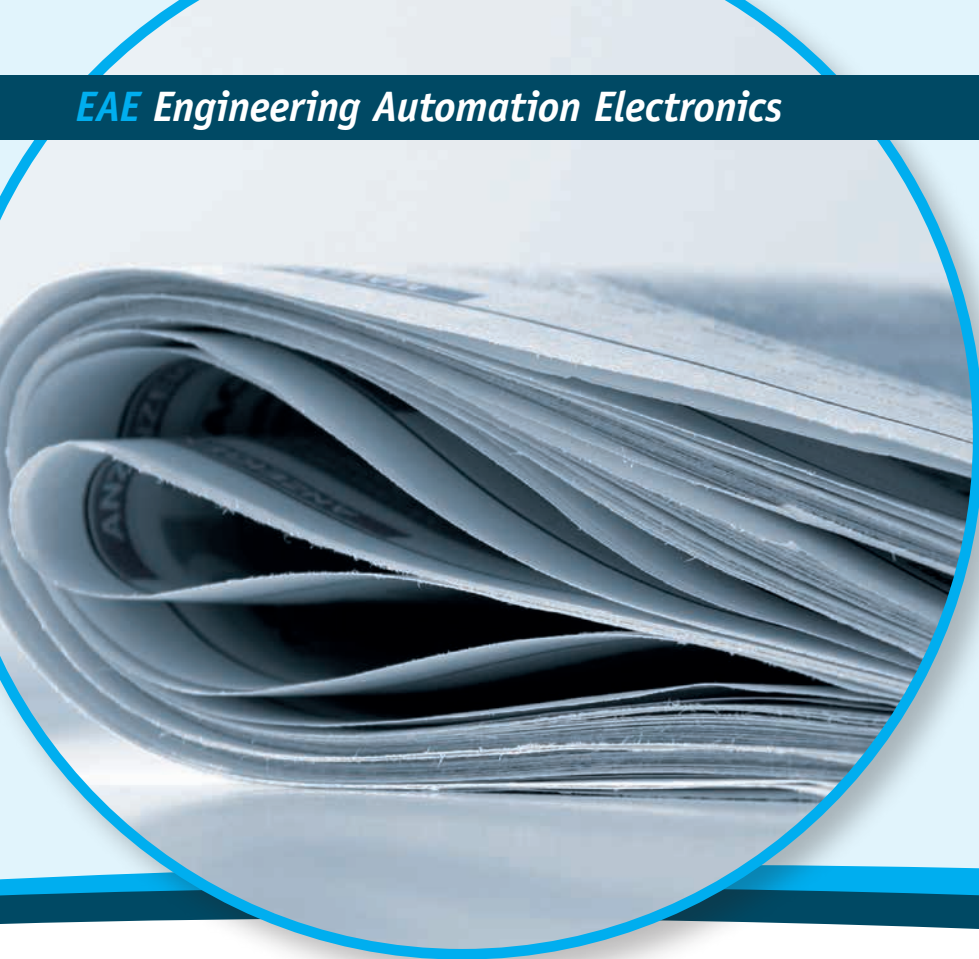


*We make print happen*



**EAE.**  
[www.eae.com](http://www.eae.com)



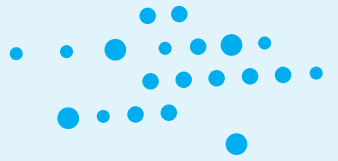
#### **Vision**

EAE Engineering Automation Electronics GmbH (EAE) develops and supplies high quality and innovative automation solutions and automation technologies for the graphic industry. Its systems are being sold globally by a dealer networks and subsidiary companies. EAE wants to be a partner to the customers by offering specific solutions. Optimizing production lines with the main goal of decreasing the use of materials and increasing quality and efficiency.

#### **Mission**

EAE enables its customers to produce higher quality products in a shorter time and more cost efficient. Offering customers high quality, innovative, automated solutions and technologies, the printing process will improve, raw materials will be saved and a faster return of investment can be achieved.

In addition, EAE delivers high quality, reliable and adequate lifetime support and service: always, everywhere and at the right time.



#### **We make print happen**

In the process of newspaper production every step must be correct . We have understood this process and implemented it consequently in our products. The resulting products and solutions facilitate your production and enable you to produce economically from management to planning to control.

EAE is the leading supplier of controls, automation solutions and software for newspaper printers. EAE's solutions are being used in all areas of a newspaper printing plant - from pre press to mailroom. Worldwide more than 550 newspaper printing sites are using EAE's controls. Using these controls our customers produce more than 125 million newspapers per day.





Have you been using your presses for years without many problems?

Although the mechanical condition of the press has decreased over the years, this may not justify a major investment.

EAE offers a complete upgrade of your existing press so it can meet current production requirements again:  
all at just a fraction of the cost of a new investment.

- Considerable reduction in waste
- Reduced maintenance costs
- Greater production security
- On-time control through transparency in production
- Increase in processing customer orders
- Reduction in labor

#### Control Console

The retrofit module EAE control console and its software allows you to control all the press functions from a central location. Centralized press operation will drastically reduce waste.

#### Control & Drive

Press controls, based on state-of-the-art PLC technology, is a basic prerequisite for retrofitting when aimed for maximum production security.

#### Reelstand

Modernizing your reel stands will increase the pasting quality of the roll and stabilize your operation in the reel room. Better performance in the paper delivery can reduce your staffing requirements.

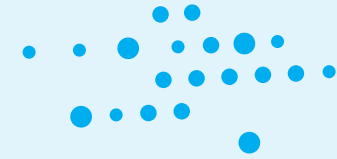
#### Colors

Printing more colors will increase competitiveness in the market. Printing more colors means adding additional printing units. In cooperation with well-known partners in the printing industry, we can integrate additional units in your press and your production workflow.

#### Remote adjustment

If you upgrade to new ink rails and registers, you will already have created the prerequisites for the remote control of ink, water and registers. Your new EAE control console will now enable you to operate all the remote-controlled aggregates on your press centrally. We will provide the necessary interfaces.





### Control Console

The EAE Control Console controls your press very fast and extremely precise. Through the high speed of the control it is assured, that all commands will be executed immediately and thus waste is saved.

### Control

The highly automated press control system utilizes a decentralized control concept: Every print unit has its own control computer, and all the higher level, backup-capable control computers of one printing unit are in turn controlled by a common control system, the "EAE section control".

### Info

To ensure a newspaper production process that is technically smooth as well as economical, Info collects and analyzes information. Analyzed data and statistics are made available to the operator for fast and precise action.

### Riga

The EAE Riga system is a modular automation concept for web offset printing presses with a lesser degree of automation. The system provides you with central visualization and operation of all major elements which impact the print layout.



**With the Control Console you operate the entire press with ease. The logically designed user interface and practical add-on functions help you streamline processes and minimize sources of error – and thus cut costs.**

**The Control Console, controls your press very fast and extremely precise. Through the high speed of the control it is assured, that all commands will be executed immediately and thus waste is saved.**

**The messaging and data logging system "Info" monitors your production environment at all times. The moment an event takes place, you will have the information available, reliable, fast and accurate.**



EAE offers two solutions, tailored to your needs, for waste savings. Thanks to the optimal presetting with the systems EAE Print or EAE PrintPP you save time and money. After defining the production EAE PrintPP calculates the preset values of the press. Sophisticated preset algorithms can define optimum values for ink zones, cut off registers, and web tension.

An even higher automation is offered by the EAE Print system. Print is the highly integrated workflow solution for industrial newspaper production. This is especially obvious in the intelligent and efficient production planning and the minimization of preparation and shutdown times. Even for complex newspaper structures.

Print optimizes the plate production and thus helps to reduce costs.



#### **Print**

Planning, presetting and visualizing: EAE Print is the operational 'heart' for your workflow. An independent, highly integrated system that utilizes the full potential of your press. Efficient and clear, quick to learn and easy to use.

#### **Print PP**

EAE PrintPP is the more basic solution for printing houses that want to automate their lean production processes. EAE PrintPP supports newspaper production on two levels: presetting for presses and production planning.

#### **Softproof**

EAE Softproof shows you immediately what you want to print – without expensive, time-consuming hard proofs and that for any page. This way you receive a true color template for the color setting of your press.

#### **Print Image**

EAE Print Image means fully automated prepress control - from the receipt of the digital pages to the issue of the finished plates. Based on print production planning, EAE Print image always guarantees economic plate production with optimized production times and increased production safety and quality.



**VIP**

With V.I.P. (Visual Intelligent Plant) you can plan and visualize your total production process from prepress-, press- till post press. Perfect interaction of the different components ensures that the workflow is optimized, efficiency is increased and processes remain transparent.

**Maintain**

Protect yourself against unwelcome surprises with Maintain, the structural service and maintenance tool for all your operational systems. So you can take effective measures to prevent such unwanted incidents.

EAE offers solutions that can assist management to make founded decisions to improve the production process and quality of the printed products.

The V.I.P. software is the complete solution for an end-to-end workflow in newspaper production. EAE's software solution V.I.P. is the result of many years of experience with more than 500 newspaper printing houses. V.I.P. is a unique, modular planning and statistics system that covers all the departments of a printing facility.

Maintain provides for structured service and maintenance for all your operational systems. It is based on a database and can be integrated in a highly automated workflow.





Reel Management automates the entire workflow around paper consumption and reel logistics.

The EAE ReelData administrates the entire process. So you have overview and optimize your storage capacities, reel consumption, and purchasing of materials.

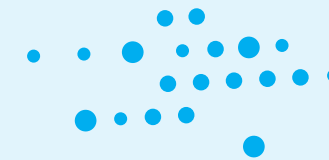
The reel transport logistics system EAE MaFlow automates and optimizes the material flow in the printing house. From unloading the truck to controlling preparation of the reels, intermediate storage in the short-term storage area until they are loaded onto the reel stands.

#### Reeldata

For a clear administration of paper and reel storage, EAE provides the ReelData solution. Considering the jump in paper prices, this is an investment that will pay off. EAE ReelData records and administers all the necessary data from the workflow of a reel, from delivery to reel stand.

#### MaFlow

The EAE MaFlow solution efficiently automates the entire reel transport and reel logistics through data interchange with the EAE systems Print, Info, and the reel stand. The target data for the paper consumption production planned in Print is continuously compared with the actual consumption.



**IDS-3D**

IDS-3D is an "All-in-one" fully image based color and register measuring and control system that also detects failure in print. It uses the information in the TIFF files as a reference to ensure absolute color and register stability throughout the print run. 'True Colors' are now a reality.

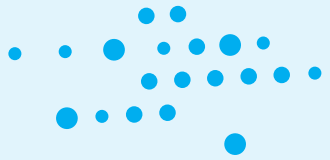
The ultimate result realized by IDS-3D is reproduction of print with absolute color and register stability in products independent of job, printing company or press at minimum waste and labor and maximum efficiency.



With the partnership between EAE and Q.I. Press Controls the requirements of the printing industry can be met in an even more comprehensive way. Through the expansion of the product portfolio one has become an even more interesting business partner to customers. By joining together and pooling the abilities of both companies, the goal of simplifying the steadily growing complexity of the printing process through the use of innovative concepts is getting closer.

Q.I. Press Controls develops and delivers innovative, high quality optical measure and control systems. They are globally active in the newspaper and magazine printing industry and their total solutions are supported by a worldwide service network. These reliable systems are proven in the market on existing and new printing presses and offer our customers outstanding results.





- **Optimization of throughput times**
- **In-time provision of the items**
- **Efficiency increase of the flow of goods**
- **Highest availability and operational reliability**
- **24/7 phone- and online support**
- **Minimizing of complaints and return deliveries**
- **Reduction of costs**
- **Increase of the customer satisfaction**

#### **Flow.Master / Flow.Commander**

The EAE Flow.Master imports transport- and sort orders from the Warehouse Management System (WMS) and controls the entire conveyor- and transport components in an optimal and intelligent way.

The EAE Flow.Commander offers beside the graphical representation of the current operating status also statistic- and reporting functions using modern tablet operation.

#### **Flow.Control**

The EAE Flow.Control controls the conveyor system in hard real time. Drives, light gates, barcode scanners and operating buttons are integrated in this reliable control system and are precisely controlled to the milliseconds.

EAE utilizes its know-how and long-lasting experience from the graphical industry for other complex and time sensitive industrial applications. EAE Flow is a solution for the Intralogistic where items are automatically transported safely, reliably and with pinpoint accuracy.

EAE Flow imports the data for sort and transport orders, identifies items via barcode scanning, controls the entire sorter- and conveyor technology and ensures a secure and exact transport up to the exit, fully automatically. Thereby EAE Flow also takes over the order identification. This means that items will be sorted fully automatically, correctly and with highest efficiency.

Furthermore our service- and support organization is available 24 hours, 7 days a week. The hotline is manned with qualified personnel for immediate phone and online support.





The Ahrensburg-based company is active in graphic industries, automation solutions and automation technology. The company was founded in 1962 by Richard Ewert.

Supported by a global service network, EAE delivers total solutions for web offset presses in the printing industry. From prepress to mailroom, EAE provides solutions that not only lead to production reliability, but also enhanced performance as well.

For more information on EAE please visit: [www.eae.com](http://www.eae.com)

#### **Innovation**

Developing and producing innovative controls, automation solutions and software is a continuous process. A process where the sum of hi-tech products and systems brings new possibilities. To be able to maintain our market leadership in this area, we will continue to act at the centre of all developments. EAE's R&D brings the "lights out" concept ever closer. Our customers will be closely involved in this and will be able to use the results to redesign their own business operations.

Our innovative systems help us strive for perfection in printing processes, work more efficiently and save raw materials and time, keeping the costs of production low. These innovations help you, our customer, to always stay a few steps ahead of your competitors.

#### **Exploring new options**

And EAE continues to develop in the fields of technology, expertise and service. Our constantly growing team of dedicated professionals ensures that the quality of printing improves and that our customers' end product is the best that can be found.

