

# The economical alternative Modernize, Optimize, Retrofit



**Our deliveries and services for gravure printing companies cover all areas of facility, from the reel stand to the post-press. We supply automation and drive systems for all required control tasks of a gravure printing machine and adjacent systems. Our portfolio also includes solutions for prepress, electroplating, cylinder bearings and outlet belt units.**

The demands on you are high. Top quality, low costs and, of course, absolute adherence to deadlines. But what if faults start occurring more frequently in your press and its level of automation no longer guarantees efficient and economical production? Buying a new press often seems to be the only solution.

However, buying a new press is associated with major investment and, especially in economically uncertain times, with a certain risk. A Press Retrofit with specialists from EAE offers an extremely economical alternative. 50 years of extensive technical know-how and experience in controls, drives and automation technology speak for themselves: EAE is a leading supplier of Press Retrofits.



## Your benefits:

- Budget-oriented measures by successive modernization
- Production downtimes are reduced to a minimum
- Guaranteed hardware and software support
- Guaranteed spare parts' availability
- Use of new technologies with higher operating comfort
- Expandability of superior management systems

**It pays off in the end!**

You've been using your press for years without any problems? And its technical condition is too good to warrant being discarded?

A Press Retrofit by EAE offers you the possibility of upgrading your press to the latest production requirements – at a fraction of the cost of a new investment. After a Press Retrofit by EAE your press will have the seal 'retrofitted by EAE' and is fit for the future again. We are so convinced of our performance that we vouch for it with our seal of quality – any time.

**Does this sound familiar?**

- Faults and breakdowns in the press are becoming more and more frequent.
- Maintenance costs are increasing steadily.
- Certain spare parts are no longer available and, as a result, the risk of production downtimes increases.
- Your former suppliers provide very limited or no support.
- A number of electronic components are obsolete.

If some of these points apply to you and the mechanical condition of your press will withstand normal production, there are many reasons why you should retrofit your press.

A Retrofit creates the basis for using workflow and MIS systems. This creates transparency and makes your production more efficient. And the best news is: all this at just a fraction of the cost of investing in a new press!

What triggers the decision to retrofit is mainly the fact that production security is endangered, whether hidden or acutely. This can be restored by successively upgrading and/or retrofitting the following components/modules:

**Control system**

An efficient retrofit is based on the exchange or partial exchange of the control. EAE provides press control systems with decentralized, state-of-the-art SPS technology. The system communicates on real-time networks and, apart from providing increased security, is more user-friendly and offers more functions.

**Drive technology**

There are several possible solutions for the renewal of drives.

- The existing direct current technology is maintained with the new DC drive control.
- A modification to maintenance free AC technology, keeping the machine shaft-driven.
- Alternatively, shaft less machine operation with AC drives.

Shaft less drive systems provide a higher flexibility of production, especially for drag rollers.

**Visualization**

Adjusting your existing visualization for press extensions or reconfiguring on modern manufacturers as Siemens WinCC, Wonderware InTouch / Schneider Electric and others

**Optional: EAE Control Console**

Benefit from features such as its fully production-oriented operation, the visualization of product information, the printout and export of data and an ergonomically workplace. Another significant advantage of EAE Control Console is the integration of the production planning and presetting system. You will achieve a marked reduction in waste.

**Re- / unwinder**

Replacing drives, brakes and autopaster control systems result in fewer web breaks.

- new digital DC drive controls
- replace reel stand unit control with new SPS technology

**Remote Diagnostic**

The remote maintenance tools also support the direct provision of program updates from EAE.

- in-House Service PC with Remote Access to all PCs and PLCs
- remote diagnostic
- trouble shooting
- program updates
- program optimization

|                       |   |                      |            |
|-----------------------|---|----------------------|------------|
| Press Control         | Aggregate control   | Dragroller (4U / 6U) | Network    |
| Main drive controller | <b>Products and solutions</b><br>For the retrofit of rotogravure printing presses |                      | Reel-stand |
| Control console       | Message & Protocol system   | Service PC           |            |

