

Going step by step forwards to more efficiency and higher production safety



The diversity of the reel stands in operation with the differing drive and control concepts require a high level of flexibility during modernization. Based on the newest technology, EAE offers a wide range of retrofit measures which lead to higher production safety and availability of the reel stands while maintaining focus on technical standards and your costs of investment.

Key points for a reel stand retrofit are the modernization of the drive technology and/or the control technology. Further modernizations in the area of the pneumatic systems or for required increase in speed are realized by EAE in cooperation with competent partners.

Retrofit of the drive technology

In the area of drive technology for belt drives and core motors the following possibilities are offered depending on the existing drives and drive controls:

- Exchange of the drive controller while using the existing motors.
- Change-over to AC-drive technology with the exchange of the drive controller as well as the motors.
- Modification of the reel spindle control or brake to eddy current brake with control



Your benefits:

- Budget-oriented measures by successive modernization
- Optimization of employment by comfortable control and reporting functions
- Easier maintenance by use of the latest automation technology
- Guaranteed hardware and software support
- Guaranteed spare parts' availability
- increased press' productivity and availability

The new drive technology can either be integrated into the existing control panels or additional ready-for-use switch cabinets for lateral installation to the existing control cabinets can be delivered.

You can do without a reel stand for 2-3 days? If this is the case you select the integration of the new technology into the existing control panels. Your reel stands are essential for your production process? Select the option with the additional control cabinets. Here it is possible to switch from the new technology to the old technology in the commissioning phase.

Our services during the retrofit of the drive technology include installing the new drive controllers and the motors, if required, as well as uninstalling the old technology, parameterization of the drive controls and commissioning of the whole system.

Another option is that your technicians install and commission further reel stands after the commissioning of the first reel stand. That way, the change-over costs can be lowered even more.

Retrofit of the control technology

EAE offers different solutions for modernization for the area of control technology as well, depending on the previous control system.

Solution 1:

The existing operating philosophy via a keyboard is maintained

Solution 2:

A modern touch panel is installed for operation. It enables a more simplified operation and the display of more information.

For all offered solutions the functionalities of the previous control system are maintained. Existing connections to e.g. the control technology of the machine or reel transport systems are also maintained and can, if required, be changed-over to modern communication technologies.

If there is currently no connection to your machine control, e.g. Info, the interfaces to these systems can be retrofitted. This enables you to manage status messages and error messages centrally in your reporting system and display them at your control consoles.

A retrofit of the control technology can therefore not only maintain the product safety, but offer an actual added value through increased operational comfort and higher system transparency.

Our services during the retrofit include de-installation of previous control components, installation of new control components, programming of the control and commissioning of the new system.

Increase in speed

In the event your reel stand cannot "keep up" with your modern machine, in most cases it's possible to get an increase in speed for the reel stands.

During this, all relevant mechanical and electrical components, e.g. gears, bearings, signal and rotation transmitters, are checked for their suitability and replaced if required. The drive and control system is parameterized and reprogrammed as a result.

EAE realizes speed increases in the reel stand with the help of experienced partners who support us when changing-over mechanical components.

Retrofit of the pneumatic systems

Problems during spare part procurement and frequent faults can also require a rework and optimization of the pneumatic systems. Here EAE offers a retrofit in cooperation with competent partners. From the as-is analysis to planning and integration of new pneumatic systems - you can order all services from EAE.

Combination of the individual measures

All individual measures in the area of the reel stand retrofit can be combined individually and you can extend them chronologically, so that the investments remain within a manageable range.

You have specific ideas...

...how your reel stand retrofit should be performed. Do not hesitate to ask our experienced sales and engineering team. Based on our standardized solutions for different reel stand types we can offer you a fast and reliable quotation. We would be happy to design a concept for the modernization of your reel stands with you and implement your individual ideas.

