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## **New Options for the Modernization of Mixing Systems**

**In response to competitive pressure, manufacturing companies must take action periodically to boost productivity. This includes needs-based modernization of existing material preparation and mixing systems. Besides boosting productivity, modernization extends the machinery lifecycle. EIRICH has in-depth expertise in machinery planning, engineering, manufacturing and commissioning, making it the ideal partner for needs-based, cost-effective modernization.**

Mixers and material preparation systems do not exist in a world apart from the onward march of technology. In discussions with EIRICH, customers have raised the issue of machine modernization more frequently in recent years. Due to their unique working principle, EIRICH mixers deliver unparalleled mixing quality. They are highly reliable and continue to run for many years. However when the time comes to improve production efficiency or produce even better mixing quality to create differentiation in the marketplace, modernization provides an opportunity to bring the machines up to the latest standard and install enhancements which are available for older machines.

Modernization can be an attractive option whenever the product has changed, when the product must meet new requirements or if there is a need to increase production volumes. Another reason could be to enhance operational safety. The company operating the machine is responsible for compliance with operational safety regulations.

Experience shows that even small improvements can have a big effect. Whatever the size of the modernization project, EIRICH always remains focused on producing the greatest benefit for the customer. This includes not only enhancing production efficiency, but also making the machines easier to operate e.g. by replacing the control systems with more modern versions. The added functionality might include remote service, condition monitoring and electronic documentation.

EIRICH offers two approaches to modernization. Retrofit sets made up of pre-engineered components are available as kits which have short lead times. The other

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alternative is customized modification and engineering which include the mechanical and electrical / control subsystems and the software. The two approaches can be combined. In many cases, modernization is accompanied by process optimization.

In response to increased demand, EIRICH has pooled its customer service expertise, so that it can rapidly deliver professional modernization services to improve production system productivity and efficiency.

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*The EIRICH Group is a supplier of industrial mixing, granulating/pelletizing, drying and fine grinding machinery, systems and services. The Group has its main strategic base at Maschinenfabrik Gustav Eirich which is the corporate headquarters site located in Hardheim, Germany. EIRICH has core expertise in processes and techniques used for the preparation of free-flowing materials, slurry and sludge. The main applications for these processes are in the ceramics, refractory, foundry, construction materials, plaster, rechargeable battery, battery compound, fertilizer, glass and ore dressing industries. Close co-operation between our own test centers around the world and collaboration with the research and academic community enables the "hidden champion" to provide solutions for innovative, cost-efficient products and processes. The family-managed company was founded in 1863 and operates from twelve locations on five continents.*