Electric clamping systems are still at the beginning of development. However, the trend to replace hydraulic propulsion with electro-mechanical propulsion is already evident. Hydraulic clamping systems will not disappear completely, as they continue to have their benefits in certain fields of application, but the electrical clamping is the solution of the future, which offers significant advantages for many applications.

There are several good reasons for the application of electric clamping systems: energy efficient, precise, maintenance free, compact, safe and environmentally friendly. This is evident in the new EQUIPMENT by RÖHM.

RÖHM – system supplier with a comprehensive product range
RÖHM offers its customers electric clamping systems with a comprehensive product range. In preparation for new customers, RÖHM offers its customers an innovation management and a comprehensive product range of clamping technology – especially in the area of electrical clamping systems. RÖHM offers, especially also with the new EQUIPMENT, a huge selection of products for the complete assembly of almost all machines for the most diverse requirements and applications.

Innovation and engineering for sustainable success
Creativity and flexibility combined with experience and readiness to act ensure the provision of one of the most versatile engineering services for the new equipment industry. RÖHM offers its customers a comprehensive product range of clamping technology, from concept phase right through to production.

The advantages at a glance

- **Efficient**: With the application of electric clamping systems, you significantly reduce the energy consumption of your machines, which thus saves you costs.
- **Precise**: The substitution of hydraulics through electrical components allows an accuracy comparable to that of hydraulics. An improvement in this area is particularly important in high-precision technology.
- **Compact**: The implementation of electric clamping systems reduces your machine’s size. Clamping, exchange and disposal of the hydraulic material is completely avoided.
- **Low-maintenance**: The implementation of electric clamping systems reduces your maintenance to a minimum. Cleaning, exchange and disposal of the hydraulic material is completely avoided.
- **Safe**: The integration of mechanics into electronic control circuits ensures a maximum of operation and machine safety. A constant actual/target comparison ensures that inconsistencies are recognised and remedied immediately.

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The future is electric.

With clamping systems by RÖHM.
Energy efficiency for us is a topic of the future, which we are solving in the present.

Energy efficiency is a great advantage of electrical clamping systems. The innovative technology only uses energy, if a movement is actually performed. The trend of replacing hydraulic components with electro-mechanical components can be recognised in various fields of engineering.

With the development of the electrical clamping systems and electrical grippers of the eQUIPMENT RÖHM series, the trend towards safe, precise and sustainable increases the energy efficiency in the field of engineering.

Many reasons speak for electric clamping systems:

- A significant component of the energy usage in hydraulic systems is caused by the constant energy provision. The removal of the hydraulic units in electric clamping systems not only reduces the usage of energy, it also increases the sustainability of processes and thus protects the environment. The greater precision is another advantage.
- The connection of mechanics and electronic offers further advantages such as greater flexibility, increased safety, and the option for the direct connection of the drives to primary control systems.
- The removal of the hydraulic units in electric clamping systems makes the fully electric processing centre a reality now. As the world-wide first and only supplier with the eQUIPMENT we offer to our customers a solution, which replaces hydraulic components with electro-mechanical components can be recognised in various fields of engineering.

The removal of the hydraulic units in electric clamping systems means this trend and makes an important contribution to the sustainable increase of energy efficiency in the field of engineering.

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