Tankhouse Cranes: A partnership in technology

Around the globe Kuenz tankhouse cranes ensure efficient and reliable operation.
Site features are the deciding factor as to which technology will be used

A perfect and unique concept for each customer

Kuenz is the competent partner for designing innovative technology for your tankhouse. No matter, if copper, zinc or nickel either electro winning or electro refinery – Kuenz delivers customer-orientated solutions. Modular systems and experienced products from Kuenz guarantee the highest quality and optimized duty. Kuenz is able to handle it through its experience.

Competence in Technology

Best practice in our unique designs is the result of more than 20 years Kuenz experience in the non-ferrous metal business, from which our customers benefit greatly. This specific knowledge is gained through each installation and implemented in new projects using continuous improvement.

Modular concepts, high reliability and availability, positioning accuracy and degree of automation are the driving factors of the system to be used. Today Kuenz is well-known for manufacturing products of excellent quality using proven technology worldwide.

Whatever your process asks for, Kuenz provides the solution

Each site situation is unique. Kuenz is able to handle it through its experience. Controlling the interfaces of the systems periphery is part of the core process. Tankhouse cranes from Kuenz guarantee reliable and accurate positioning with a failsafe centering system. Depending on the site situation Kuenz develops special solutions together with the customer aiming at the most efficient operation of the system.
Flexibility and product handling expertise resulting in intelligent solutions

Main features
- Accurate and fast drive systems
- Centering pyramids on the cell body for fast bale fine positioning
- Positioning accuracy +/- 2mm
- Integrated single bale solution for anode and cathode cycle
- Reliable and accurate sensor systems
- PLC controlled movements
- Semi automatic or fully automatic operation
- Interfacing to machine area and tankhouse management system
- Crane management system integrated
- Remote support and service
- Exceptional anti-corrosion protection

Safety features
- Double electric insulation
- Fail safe crane positioning
- Mechanical interlock for hook system
- Anti-sway system for anodes and cathodes during transportation
- Drip tray located below bale during transportation
- Activated anode hold-down device during cathode cycle
Fast crane cycles together with integrated safety features ensure high productivity of the handling process

Options

- Fail-safe control switch to release PLC controlled movements
- Measuring system for contact temperatures
- Contact washing system
- Cathode rinsing system
- Automatic cell cover lifting system
- Cathode centering system
- And many more

1 Contact washing system
2 Contact temperature measuring system
3 Cell cover lifting system
Upgrade your product handling efficiency by intelligent step by step refurbishment and optimize handling processes outside the tankhouse

Efficient logistics and outstanding services

Kuenz automated tankhouse cranes have been manufactured since 1987. Kuenz continuously improves its designs using proven state of the art technology.

Additionally, Kuenz is able to offer support in developing intelligent handling solutions outside the tankhouse. Please consult the Kuenz sales engineers for specific information.

The Kuenz after sales department is offering a wide range of services such as:

- Supply of spare parts
- Coordination and execution of maintenance and troubleshooting
- Coordination and execution of upgrades and refurbishments
- On site and workshop training
- Full service contracts
- And many more
For the Chuquicamata Copper Refinery, Codelco Chile, Kuenz delivered two multipurpose cranes for cathode, anode and scrap container handling.

1. Handling of anodes at Kazzinc JSC Copper Refinery, Kazakhstan
2. Discharging of anodes at the Chuquicamata Copper refinery, Chile
3. Handling of scrap containers at the Chuquicamata Copper refinery, Chile
Kuenz experience worldwide

Kuenz tankhouse cranes are used worldwide. Well-known companies in Austria, Australia, Belgium, Bulgaria, Canada, Chile, China, Germany, India, Kazakhstan, Mexico, Russia, Spain, Sweden and Thailand have become long-term partners of Kuenz.

We specialise in transferring our expertise to your site.

- Unique design and engineering
- Modern electric design & PLC programming
- State of the art manufacturing for key part steel structures
- European standard mechanical workshop
- European standard electrical workshop
- In house pre assembly and pre commissioning
- Installation and commissioning supervision by Kuenz
- Lifetime support for your Kuenz equipment