



Tankhouse Cranes

A Partnership in Technology

kühn



Aurubis Bulgaria AD Copper Refinery in Pirdop, Bulgaria



Hindustan Zinc Ltd. Zinc Refinery in Chittorgarh, India

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.

Each site situation is unique.

Whatever your process asks for, Kuenz provides the solution.

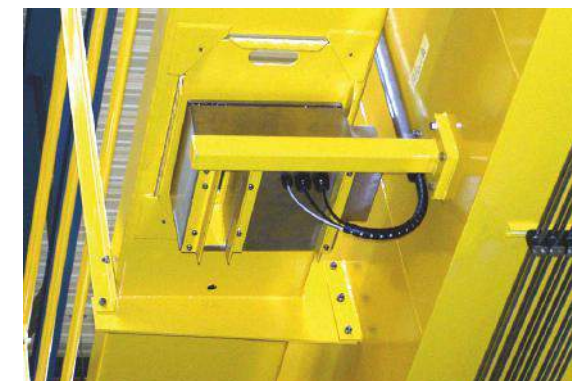
Controlling the interfaces of the systems periphery is part of the core process. Tankhouse cranes from Kuenz guarantee reliable and accurate positioning with a failsafe centering system. Depending on the site situation Kuenz develops special solutions together with the customer aiming at the most efficient operation of the system.



Accurate handling of anodes and cathodes shown at Copper Refineries PTY Ltd., Townsville, Australia



Contact washing system



Pyroelektrical detector for temperature measuring



Cell cover lifting system

Fast crane cycles together with integrated safety features ensure high productivity of the handling process

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 positioning
- Fine 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

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 more



Anode handling crane, Kazzinc JSC Copper refinery, Kazakhstan



Refurbished Kuenz crane, Brixlegg Copper Refinery, Austria



Crane for cathode, anode and scrap container handling, Codelco, Chile

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
- Crane refurbishment
- And many more



Handling of anodes



Discharging of anodes



Handling of scrap containers

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



Künz GmbH
6971 Hard
Austria
www.kuenz.com