

Materials Handling & Plant Logistics



Kingfield Technologies & Equipment (KTE) offers a complete design package of materials handling systems and technology for fully automatic, semi-automatic or manual galvanizing plants. Through close consultation we can provide the best possible solution for your materials handling requirements.

- Chain hoists / Travel Units
- Rope hoists / Travel Units
- Lifting / lowering stations
- Bridge cranes
- Claw toggle (The original)
- Lifting beams
- Vibrators
- Chain conveyors
- Calibrated weighing systems
- Monorail systems
- Control systems
- Magnetic Systems

Materials handling equipment is increasingly being recognised as the vital link between individual production processes. Optimising transport systems can have a considerable impact on material processing times. In the steel industry, in particular, where materials often have to be transported over long distances, conveying loads quickly from A to B is extremely important.

KTE partners closely with industry leaders Scheffer Krantechnik GmbH (Scheffer) to provide a wide range of solutions to meet every need.

We have solutions for materials handling designed specifically for the galvanizing industry as well as for general industrial applications.



Galvanizing Solutions

Customers are offered the greatest possible flexibility when designing their galvanizing plant layouts. KTE and Scheffer works with three different basic models. These models differ according to their degree of automation, ranging from simple manual concepts to semi-automated or fully automated systems. The most appropriate layout is devised together with each customer on a case-by-case basis.

KTE and Scheffer offer:

- Project & Layout planning for the whole technical part of a galvanizing plant, consisting of jigging area, pretreatment area, zinc kettle area and after treatment
- Commitment of state of the art simulation technology for better planning reliability
- Accompany the customer from the planning stage through the production to the assembly and the after-sales service
- Specialized engineers in project management, engineering, software programming, automation as well as assembly and commissioning.



Industrial Magnet Solutions

It is hard to imagine internal transport in the steel industry without the use of magnet lifting systems. Carrying out force-locking processes safely, quickly and without damaging materials is the main requirement of magnet lifting technology. In addition, achieving a higher packing density in warehousing operations and making efficient use of operating personnel are the key design criteria for a magnet system tailored to meet the customer's specific requirements.

Detailed knowledge of the material to be transported is required in order to come up with an ideal solution designed to meet the customer's needs. Unfortunately, there is no such thing as all-purpose magnets or equal hanging distances for the magnets, nor is there a universal solution when it comes to crossbeams or electrical controls. This is why we cooperate closely with the customer when designing the system.

As a well-established supplier of magnet lifting technology, Scheffer designs and implements comprehensive solutions which perfectly combine crane and magnet systems. They also specialise in retrofitting existing cranes with their magnet lifting technology

Scheffer offer magnetic solutions for a range of industrial applications:

- Sheet metal transportation
- Steel bar transportation
- Rolled profile transportation
- Hollow profile transportation

KTE have been appointed by Scheffer as the installation and servicing agents for all Galvanizing and Industrial installations in Australia, SEA and New Zealand.