

Sircatene

Below: An example of Sircatene's chains for the cement industry.

Sircatene: At the heart of the cement industry

The leading Italian chain manufacturer, Sircatene, has been supplying high-quality, heavy-duty conveyor components to the cement industry for over 40 years. In fact, Sircatene chains and sprockets can be found at the heart of most conveyor systems used in the industry. Sircatene's technical knowledge and expertise is so well regarded that the company is a technical partner to many conveyor system manufacturers.

Sircatene conveyor chain has been specifically engineered and manufactured to endure demanding industrial applications. Cement mills require durable, reliable chains in their in-line cement manufacturing processes that can withstand severe on-site conditions such as heavy loads, steep inclines, dust and debris. These bulk material handling conveying systems are an excellent example of the versatility and durability required from conveyor chain.

Figure 1 highlights the different conveyor systems and the types of chain that Sircatene supply to the cement industry.

Sircatene's engineered cement chains are the culmination of 40 years of technical experience and continuous development and improvement. Replacement chains can be technically refined based on sample analysis and customer feedback to ensure the client receives the best chain for each application.

The use of high-specification alloy steels, state of the art machining processes and specialised heat treatments ensure chains with extended wear and fatigue resistance, specifically designed for maximum chain life. The optimisation of movement, high operative yields and reduction in maintenance make Sircatene chain products the perfect choice for every situation. Bespoke attachment, lubrication and sealing systems are also available.

Sircatene invest heavily in product research and development to maximise the life of chain components used in heavy duty environments such as the cement industry. The company's technical engineers regularly analyse old and previously used conveyor chain to identify product enhancements and develop new high performance components.

Teaming up with Chain+Conveyor

In September 2012, Sircatene announced that Chain+Conveyor had become the latest addition to its global network of distributors with exclusive distributor rights across the UK and Republic of Ireland for special engineered chains.

Chain+Conveyor is the UK's largest stockist of conveyor chain and sprockets with an enviable reputation for their customer service, technical knowledge and extensive stock range - providing a total solution.

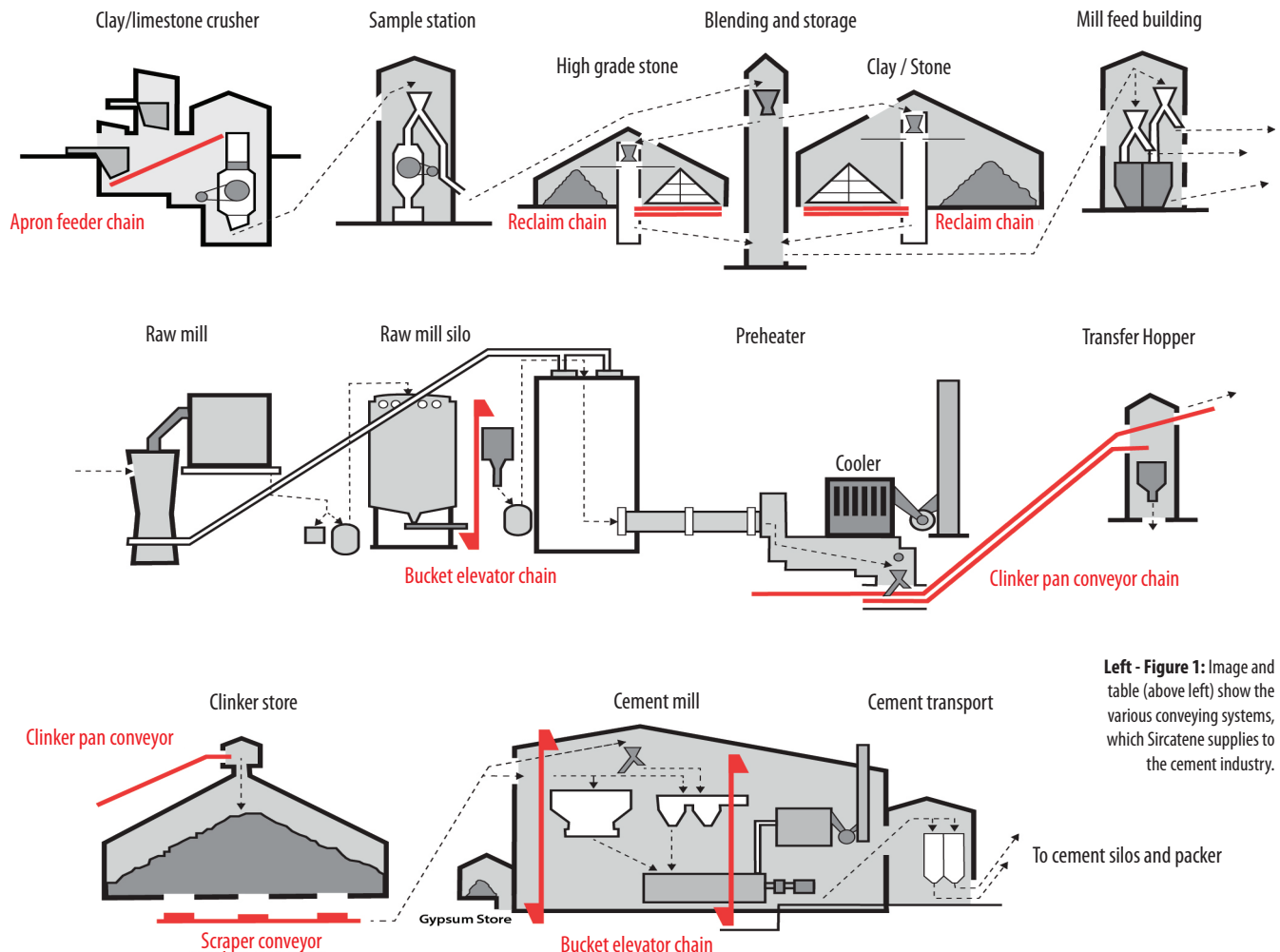
Already a trusted name in waste and recycling, supplying all the major original equipment

manufacturers in the industry, Chain+Conveyor is rapidly forging a name for itself within the construction, quarrying and mining industries and recently showcased its extensive range of chain and sprocket

products at two industry leading shows: Hillhead 2012, the International Quarrying & Recycling Show, and Recycling Waste Management (RWM) Exhibition in Birmingham, UK.

Below: Part of a Sircatene bucket elevator.

Step 1 - Limestone arrival and crushing	Metal belt conveyors Loader, unloader and feeders Cleaning and recovery chains
Step 2 -Raw material storage	Apron conveyors Non-compacting bucket elevators
Step 3 - Raw material grinding and drying	Bucket elevators Flow conveyors with scraping chains
Step 4 - Dust storage and homogenising	Bucket elevators Flow conveyors
Step 5 - Coal arrival, storage and rotary kiln	Metal belt loader and unloader Scraping chains conveyor Special chains elevators Bucket elevators for dust Bucket elevators for clinker Apron chain conveyors
Step 6 - Grinding mill, clinker storage and despatch	Flow conveyors Bucket elevators Drag chain extractors and dosers



Left - Figure 1: Image and table (above left) show the various conveying systems, which Sircatene supplies to the cement industry.