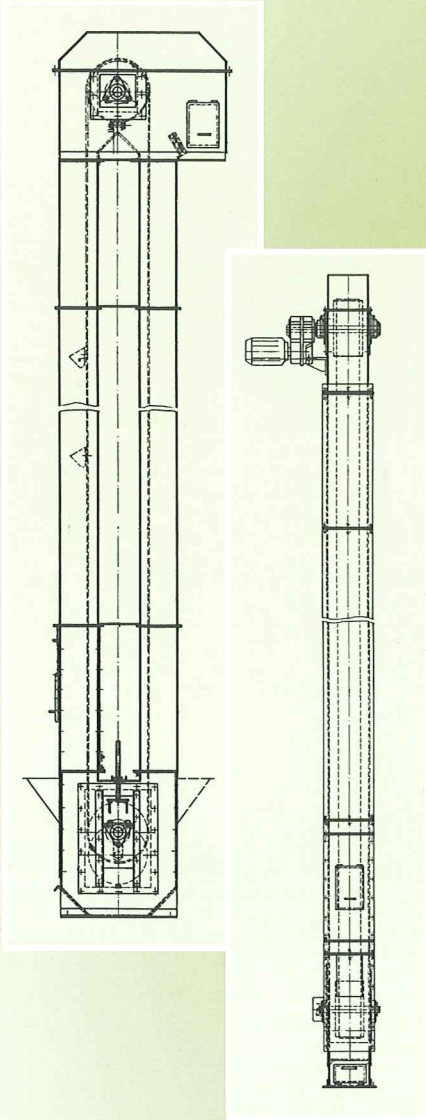


Bucket Elevator

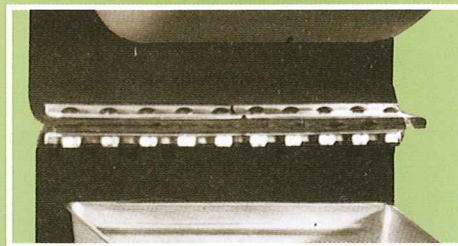
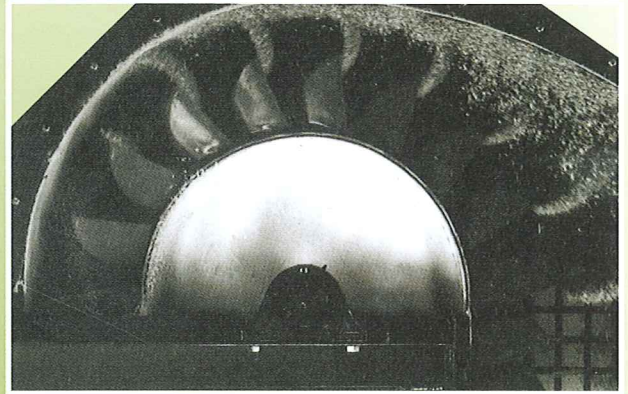
Design

Either in open steel section construction or as a dust-proof, steel-enclosed construction, with inspection and maintenance access.



Applications

Suitable for vertical conveyance of coarse/fine granules, abrasive, aggressive or oily or fatty materials. Special designs for sticky and hot material are also available.

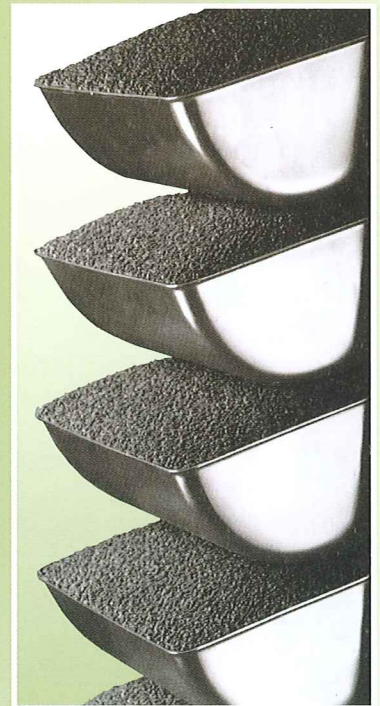


Models

There are several models which can be chosen to suit customer requirements and the properties of the material to be conveyed.

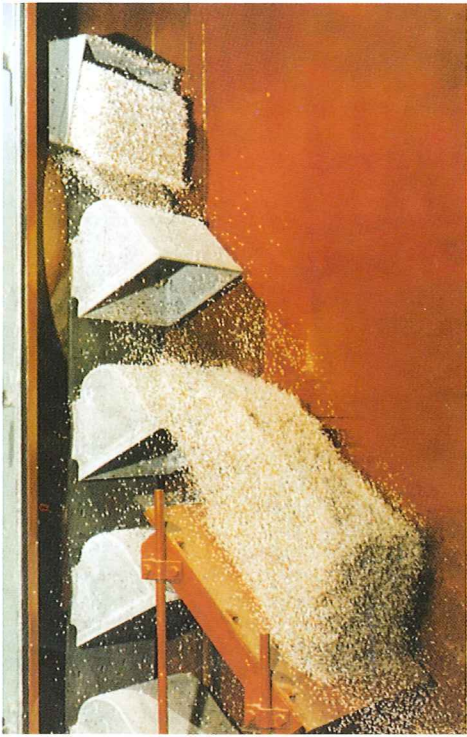
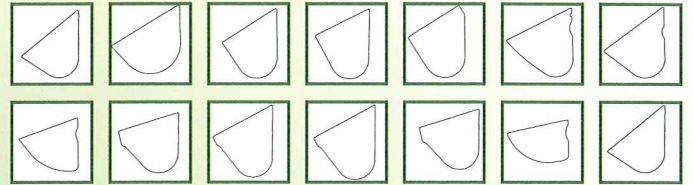
Model A: A belt bucket elevator for normal material. Equipped with plastic and steel buckets

Model B: A chain bucket elevator for very abrasive and hot materials.



Construction Design

Means of conveyance is by a continuous line of buckets. Belts or chains are used as traction. Material take-up is achieved by the scooping of the buckets at the tail section (at the bottom of the conveyor), while the material is exited by means of centrifugal or gravitational forces at the head (top of the conveyor). The redirection of the belt is achieved by rubber-lined or smooth ball drums. The bottom of the housing can be equipped with an adjustable scooping groove. This results in improved material uptake, reduced wear and tear and minimal material intermixing. The belts can be delivered either in standard, or in heat, oil and fat resistant versions, with high rupture resistance. The chains are available either hardened or tempered. The drive is at the head section and is equipped with a non-reversing device. The belt is tensioned mechanically or by own weight at the tail section.



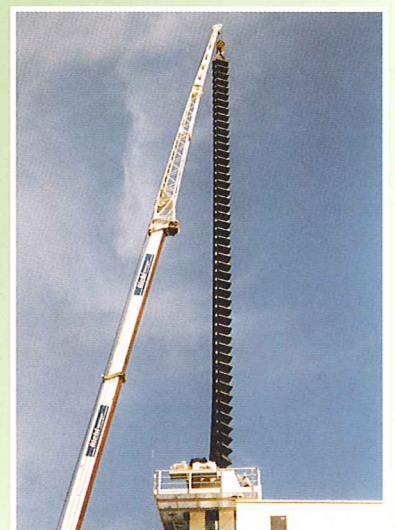
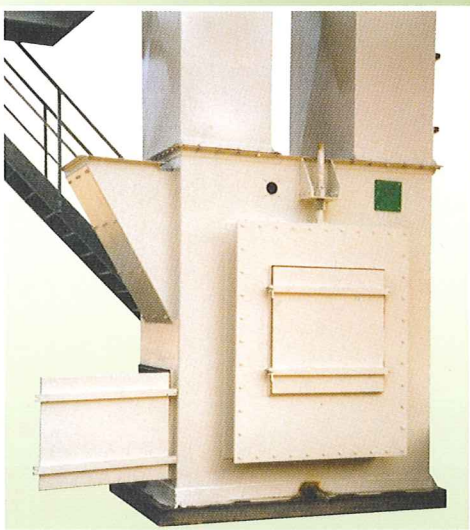
Advantages

- dust-proof
- chain buckets available for conveying hot materials
- minimal conveyor diameter
- compact design
- high-quality operation means minimal maintenance requirements
- simple maintenance and inspection
- multiple feeding points possible
- when materials are changed, no material loss and minimum intermix when scooping groove is used



Special Features

Bucket elevators are, if possible, equipped with plastic buckets. This minimizes dead weight and friction, lowering running costs. For sticky materials, rubber-floored buckets are used, enabling a clean material exit.



Range of Application

iLCHMANN-FÖRDERTECHNIK GmbH bucket elevators run reliably in the food, iron/steel, cement, recycling and building industries.