



OLDS Elevator

Need a low maintenance alternative to a bucket elevator?

Are you handling abrasives or fragile materials?

Require a safe dust suppressed method for elevating combustible powders?

Then the OLDS static screw ELEVATOR, a revolutionary NEW method for vertically elevating bulk materials is the answer.

The "Patented" OLDS ELEVATOR has only one moving part and as the casing rotates bulk material is picked up and efficiently elevated vertically. Smooth and quiet in operation, the metered delivery rate is infinitely controllable from near zero to many hundred RPM with the variable speed drive. Olds Elevators gently lift even fragile and difficult to handle materials with negligible damage. Respected Bulk Materials Handling Industry experts are hailing the new revolutionary Olds Elevator as breakthrough technology.

BENEFITS:

- Simple, reliable with low maintenance requirements.
- Elevates powders, granulates and pelletized materials.
- Negligible damage to fragile materials.
- Long life components when handling abrasives.
- Ideal for handling combustible products – dust suppression at discharge.
- Can elevate smoothly and meter accurately (to within 1-3% repeatability).
- Adjustable transfer rate. (Volumetrically, through-put is proportional to rpm, high turn down ratio).
- One moving contact part, all bearing and drive assemblies externally mounted.
- Quiet operation.

Products Handled:

Barley, Beans, Bread Crumbs, Breakfast Cereals, Coal Fines, Coffee Beans, Dried Capsicum, Dried Beans, Dog food Biscuits, Flour, Foundry Sand, Granulated Coffee, Coffee Beans, Grapes for Winemaking, Macadamia Nuts, Molasses, Peanut Kernels, Rice, Puffed Rice, Sand (wet), Sand (dry), Seeds, Steel Shot, Sugar, Sodium Bi-carbonate, Sulphur Prills (dry), Sulphur Slurry (wet), Water saturated grain for sprouting, Wheat and many others.



Handling Powders



Handling Granules



History

Since 1918, Olds Engineering, a 4th generation family owned company based in Queensland has built a solid reputation for innovative engineering excellence with customers in Australia and Overseas. Olds Engineering has developed a truly unique method for vertically elevating bulk materials. The patented invention, the Olds Elevator is considered a major breakthrough in bulk materials handling by many, and is now proving itself throughout the powder processing industry. Kockums Bulk Systems are a design and manufacturing agent for this elevator

Elevator Conveying Rates

A range of conveyors have been developed to meet the market needs. Systems can be supplied handling materials from 50kg/hr up to, and in excess of 50T/Hr. Standard sizes are shown in the table below; the maximum rates are shown and are subject to product and application details. Larger and smaller systems will be developed as projects demand it.

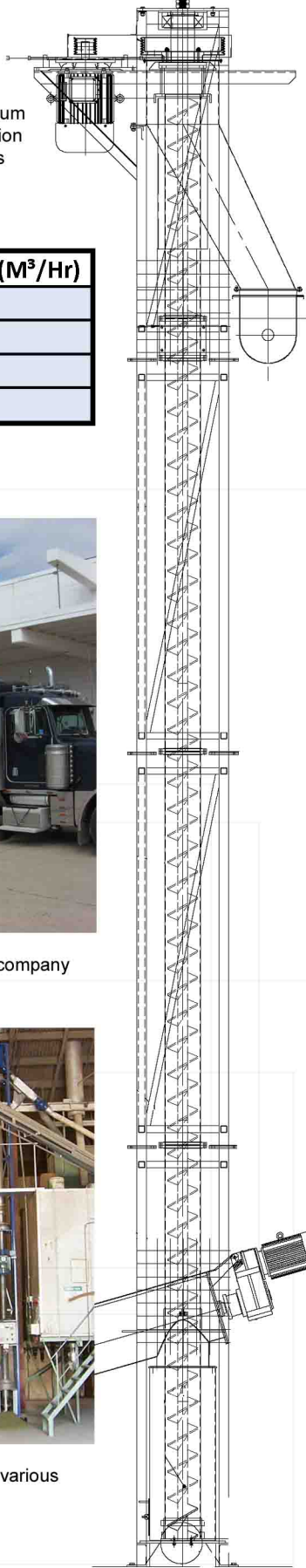
| Olds Elevator Unit Size | Throughput (M ³ /Hr) |
|-------------------------|---------------------------------|
| 4" (100mm) Elevator | 7.5 |
| 6" (150mm) Elevator | 15 |
| 8" (200mm) Elevator | 30 |
| 10" (250mm) Elevator | 50 |



An 8" (200mm) Olds Elevator installed at a Chemical company filling tankers at 35T/Hr



Two 6" (150mm) Olds Elevators conveying beans into various downstream processes.



10" (250mm) Olds Elevator test facility

Test facilities available

The true potential of this new invention is still unknown. We encourage product trials at the earliest opportunity to further discover its full value. Trials will determine actual conveying rates, product degradation levels (if any) and provide important conveying data. To find out more about how your product behaves in the Olds Elevator please contact us to arrange trials.

Our Company

Kockums Bulk Systems and sister company Control Automation have been supplying materials handling solutions to the process industry for a number of decades. The Olds Elevator has a perfect synergy with many of the other products from our range. The introduction of material to the elevator could be from a number of possible sources and our K40 Sack Tipping Station and BulkaFlo Bulk Bag Discharge systems are two perfect candidates.

Please visit our website to view our full product range or contact our Sales Team to discuss your application needs.



KOCKUMS BULK SYSTEMS P/L

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