SCREW CONVEYORS
VTK SCREW CONVEYORS
Transport. From A to B. Horizontally, vertically or diagonally. That is, what VTK screw conveyors are meant to do. But there is more to it than just that!

From sifting to dewatering.
What makes our screw conveyors special, is the additional functionality we can add to them. Functionality like sifting, conditioning, dosage, blending or dewatering. Besides the extra functionality, we design each screw conveyor specifically for the load it is supposed to transport, thus realising a total solution that flawlessly connects to your process.

Reliable screw conveyors.
Our screw conveyors are renowned for their reliability. We add as little vulnerable parts as possible, reinforce the construction by using flexible intermediate bearings and ensure that maintenance will be an easy job for you to do. In this way, VTK screw conveyors will stay in shape, last for a long time and become a stable factor within your production process.

VTK DESIGNS AND DELIVERS:
- Horizontal screw conveyors
- Inclined screw conveyors
- Vertical screw conveyors
- Mixers, single or multiple shafted
- Cooling and heating screws
- Residence time screw conveyors
- Sludge conveyors
- Underwater screw conveyors
- Screw presses
- Sieve screws
- Live bottoms with multiple screws
- Screw blanchers
- Screw blades and screw components

DESIGN VARIABLES
The actual configuration of a screw conveyor or -mixer depends not only on the type of (bulk)material to be handled, but also on aspects such as humidity, temperature, ATEX zoning as well as the actual process requirements.

VTK/Spaans conveyors can be equipped with a range of blade types (full blade, ribbon, paddle blade and a combination of these), blade configurations (wear resistant, perforated blades, synthetic cladding) as well as pitch and diameter variations.

Furthermore the screw conveyors are available with a range of inlet- and discharge systems, and various types of housing (carbon- or stainless steel, flexible housing, pressure vessel design).
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**DESIGN VARIABLES**

VTK CAN DELIVER COMPLETE BULK HANDLING SYSTEMS INCLUDING:

- belt conveyors
- weighing and measuring systems
- filling and discharge systems
- storage bins, hoppers and silo’s
- Rotary valves, gate valves etc.

**HYGIENIC DESIGN:**

- Polishing
- Special hatches
- Food grade shaft seals
- CIP provisions
- Aspiration

**OPTIONS:**

- Intermediate bearings with flexible coupling
- Atex provisions, zones 0, 1, 2, 20, 21, 22
- Purge system
- Sensors for speed, temperature, pressure, etc.
- Delivery and packaging.

**OUR AREAS OF EXPERTISE**

**FOOD & FEED**
- Corn
- Wheat
- Soy
- Potato
- Cassava/Tapioca
- Sugar Beets

**PETRO-CHEMICAL**
- Starch
- Protein
- Fibers
- Flour
- Sugar
- Oil refinery
- Plastics & Polymers
- Fertilizer
- Carbon
- Hydro Carbons
- Boilers and Heaters

**OTHER MARKETS**
- Steel plants
- Pulp & Paper
- Cement
- Power Generation
- Waste to Energy
- Dairy
- Beer

**QUALITY ASSURANCE**

The VTK workflow management system, in combination with ISO 9001:2008 and the Netherlands VCA** safety system ensures a high standard for all project phases from engineering up to and including commissioning, start-up and maintenance.

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SOME OF OUR CLIENTS
VTK is formed by the merger of Kennemer Luchtbehandeling, Engineering company Van Tongeren and Spaans bulk handling systems. We have a strong engineering basis to tailor the systems and components to the client’s requirements, such as:

- drying and cooling
- combustion air
- dust collection
- bulk handling and transport
- Air/gas handling and cleaning.

**Engineers who deliver systems and components**

VTK designs and manufactures a wide range of products:

- Fans and blowers
- Disintegrators and feeders
- Cyclones
- Screw presses
- Screw conveyors
- (Flap) valves
- Mixers
- Dampers
- Bag Filters
- Turnkey drying and cooling systems

**Engineers who deliver a reliable process**

With our extensive knowledge of the day to day operational challenges, we are able to deliver a reliable, stable and energy efficient process for our clients, requiring minimal attention from the operators and ensuring maximum output of the installation.

**Engineers who deliver continuous support**

Although a lot of the equipment we delivered is already in operation for several decades, you can still call on us for spare parts, maintenance and repair. VTK can offer the revamping of complete systems, the repair of equipment including other brands, up to complete preventive maintenance programmes.
SCREW CONVEYORS & MIXERS

VTK acquired the company Spaans Bulk Handling Systems in 2004. Spaans has been delivering screw conveyors and other related bulk handling equipment since 1898. The Spaans product portfolio complements the VTK products perfectly, offering our customers a broader range of solutions.

In 1927 van Tongeren introduced a greatly improved type of cyclone far superior in efficiency to the generally available designs at that time. Many current designs throughout the world are freely based on the original Van Tongeren concept.

From blacksmith in 1893 to international supplier today, VTK offers a wide range of standard and tailormade high efficiency fans and blowers. The high quality and reliable fans have made VTK become a preferred vendor for many customers in various industries.

VTK drying and cooling systems are used in the food industry for more than 50 years. As manufacturer of all major equipment VTK ensures a reliable, stable and efficient process for our customers. The systems can be executed turn key.

Van Tongeren Kennemer B.V.
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The Netherlands
Tel: +31 251 279900

E-mail: sales@vtk.nl
Website: www.vtk.nl

CYCLONES & FILTERS

INDUSTRIAL FANS & BLOWERS

DRYERS

MAINTENANCE & REPAIR

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