

Efficient Mechanical Conveying Solutions

KBE Bucket Elevators



Compact drive solution with bevel gear motor.



Elevator boot inlet.



Tension of the bucket is easily done by adjusting the pulley at the elevator boot.



Access to elevator boot emptying.

KBE bucket elevators are used for energy-efficient and gentle vertical conveying of grain etc. up to 25 m with capacities between 20-120 tonnes per hour.

System Includes:

- Modular system with easy extension to the desired conveying height.
- Weather-proof galvanized surfaces.
- High efficiency bevel gear motor with minimal space requirement.
- Shuttered inlet.
- Belt tightening at elevator boot.
- Cleaning hatch in elevator boot.
- Wide range of adaptors for inlet and outlet.

Accessories

- Back stop preventing the belt from running backwards with subsequent blockage of the elevator.
- Speed sensor for control of belt speed.
- Rain covers for motor, sensor and return valve.
- Spigot for dust extraction from elevator pipes.
- Oil resistant belt for e.g. conveying of rape.
- Plastic buckets for sensitive crops.
- Spacers between the belt and buckets for self-cleaning conveyance.



The back stop prevents the elevator belt from running backwards (optional).



The speed sensor signals when the bucket belt stops (optional).



Dust suction spigot (optional).



Assembly of belt - mounting of buckets with self-locking nuts.

Technical specifications	KBE 20	KBE 40	KBE 60	KBE 80	KBE 100	KBE 120
Capacity 700 kg/m ³ 15% H ₂ O, t/h	20	40	60	80	100	120
Material thickness extensions, mm	1.5	1.5	1.5	1.5	1.5	1.5
Material head and bottom, mm	3	3	3	3	4/3	4/3
Extensions standard, m	2.5 - 1.0 - 0.5 - 0.25					
Belt speed, m/sec	2.8	2.8	2.8	2.8	3.0	3.0
Belt width, mm	150	150	200	200	230	230
Buckets, per m	6	12	8	10.5	7.5	9
Motor power, kW	1.1 - 3.0	2.5 - 5.5	3.0 - 7.5	4.0 - 9.2	5.5 - 15	7.5 - 15

KCC Chain Conveyors



Bevel gear motor with high efficiency.



Extension with side inlet and capacity control.



Intermediate Inlet with capacity control.



Motor rain cover for outdoor installation.

KCC chain conveyors are used for horizontal conveying of grain and can be built in lengths of up to 50 m. Conveying capacities of up to 120 t/h (700 kg/m³).

Benefits

- Quick and easy assembly for different conveying distances using standard modular system of extensions.
- All modules are made from galvanized steel.
- Suitable for outdoor installation.
- The conveyor is supplied with a 10 mm PEHD-reinforced base.
- High efficiency bevel gear motor with minimal space requirements.

- Overflow flap with switch on drive unit.
- Cleaning buckets with carriers every approx. 2m chain.
- Extensions with side inlet for installation in grain pit.

Accessories

- Intermediate outlet, manual or electric operation.
- Inlet with capacity control.
- Wide range of inlets to fit different standard pipe diameters.
- Capacity control for chain conveyors with side inlets.
- Rain cover for bevel gear motor.
- Cleaning brush on intermediate outlet to avoid overflow.



Conveying chain is fitted as standard with cleaning buckets.



Intermediate outlet fitted in the conveyor base. Operated manually or electrically.



Return section with equipment for tensioning of conveying chain.



Drive section with outlet and overflow.

Technical specifications	KCC 40	KCC 60	KCC 80	KCC 100	KCC 120
Capacity 700 kg/m ³ 15% H ₂ O, t/h	40	60	80	100	120
Material thickness extensions, mm	2/3	2/3	2/3	2/3	2/3
Chain speed, m/sec	0.6	0.6	0.6	0.6	0.6
Spacing of carriers, mm	200	200	200	250	250
Standard extensions, m	2.97 - 1.27 - 0.67 - 0.37				
Length of drive and tensioning section, m	1,0				
Cross-section of conveyor w x h, mm	230 x 310	230 x 360	330 x 360	330 x 410	330 x 510
Motor power, kW	1.5 - 5.5	2.2 - 7.5	2.2 - 9.2	3.0 - 11.0	3.0 - 15.0

KCA Chain Conveyor



Bevel gear motor provides compact solution.



Extension with side inlet.



KCA chain conveyor for inclined conveying along silo roof.



45° angle bend for KCA chain conveyor.

KCA chain conveyors are used for conveying of grain when inclined conveying up to 45° is needed. Capacities from 60 to 120 t/h.

Benefits

- Wide range of standard extension modules.
- Galvanized external conveyor surfaces.
- Suitable for outdoor installation.
- Bevel gear motor means high efficiency and easy installation.
- Low noise levels thanks to PEHD carriers on the conveyor chain.
- Overall length up to 50 m, depending on layout and capacity.
- Extensions with side inlet for horizontal installation in grain pit.

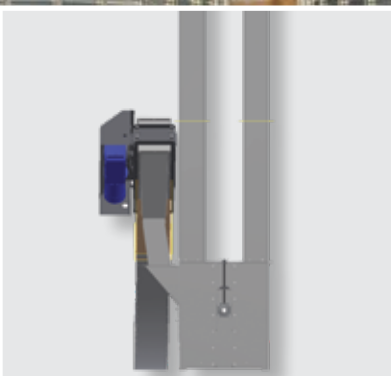
Our standard range of straight extensions and angle pieces provides easy solutions to both horizontal and inclined conveying.

Accessories

- 30° and 45° angle sections from horizontal to inclined and inclined to horizontal conveying.
- Drive unit with chain tensioner.
- Range of standard inlets and outlets.
- Manual or motorised intermediate outlet.
- Transmission for bucket elevator intakes.
- Rain cover for bevel gear motor.
- Blockage cut-out switch at drive and return end.



Motorized intermediate outlet.



Drive unit with tensioning section with outlet connected to KBE inlet.



KCA chain conveyor with angle section from inclined to horizontal conveying.



Chain conveyor mounted on silo roof. Rain cover for bevel gear motor.

Technical specifications	KCA 60	KCA 80	KCA 120
Capacity 700 kg/m ³ 15% H ₂ O, t/hour	60	80	120
Material thickness extensions, mm	2/3	2/3	2/3
Chain speed, m/sec	0.82	0.77	0.6
Carrier spacing, mm	200	200	250
Extension cross-section w x h	230 x 410	330 x 410	430 x 550
Standard extensions, m	2.97 - 1.27 - 0.67 - 0.37		
Drive unit with chain tensioner	+	+	-
Maximum length, m	50	40	48
Motor power, kW	3.0 - 11.0	3.0 - 11.0	4.0 - 15.0

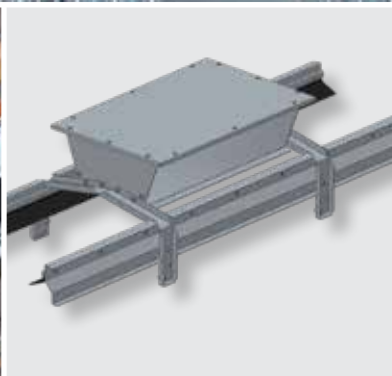
BCB Belt Conveyors



Drive unit with gear motor.



Intake BCB 45.



Movable intake.



Motorized discharge unit for BCB 45.

BCB belt conveyors are used for horizontal or inclined conveying of grain up to 15°. The capacity is up to 80 t/h over 100 m. Capacity is reduced at inclined conveying.

Benefits

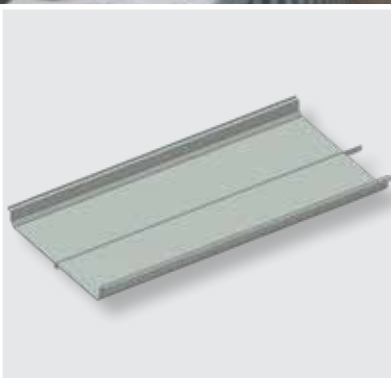
- Modular system that provides flexible solutions based on standard components.
- Low energy consumption.
- Self-cleaning conveying.
- Belt conveyor for 60 and 80 t/hour is galvanized for outdoor installation.
- One-way or two-way conveying.
- Infinite discharge points.

Accessories

- Discharge unit, that can be moved lengthwise along the conveyor belt, for discharge on both sides of the belt.
- Inlet that can be run on the conveyor.
- Cover and dust guard below the belt.
- Speed sensor for control of belt speed.
- Multiple intakes on the same belt.
- Scraper to clean the belt.



Cover for BCB 45.



Dust guard below belt conveyor.



Solution with two belts fitted at a 90° angle. The lower conveyor belt can move lengthwise.

Technical specifications	BCB 60	BCB 80
Capacity 700 kg/m ³ 15% H ₂ O, t/hour	60	80
Belt speed, m/sec	2.36	2.36
Belt dimensions t x w, mm	5.5 x 400	6 x 500
Material thickness extenders, mm	2	2
Standard extensions, m	2.0 - 1.0 - 0.5	
Belt support	Low friction rails	Rollers
Dimension drive rollers Ø, mm	300	300
Maximum length, m	80	100
Transmission	Gear motor	Gear motor
Motor power, kW	2.2 - 2x3.0	2.2 - 2x4.0

CFG Chain Elevators



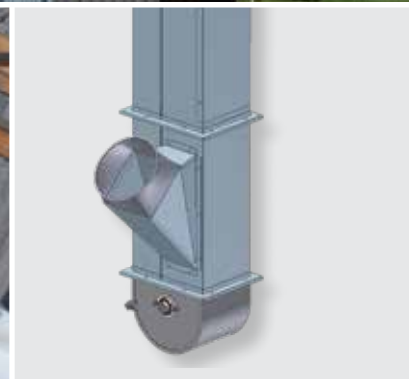
Chain elevator for filling silos.



Chain elevator with side auger on both sides in grain pit.



Elevator head with gear motor.



Inlet directly in the lower section of the chain elevator.

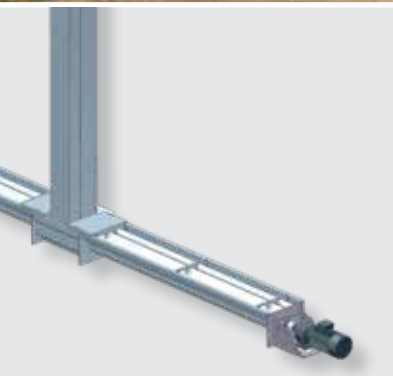
The CFG chain elevator is an excellent solution for conveying capacity requirements of 20-40 t/h. CFG chain elevator can be adjusted for conveying at all inclinations from horizontal to vertical.

Solutions with

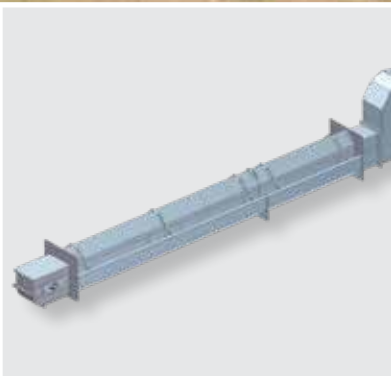
- Trough inlets.
- Side auger connected to elevator boot.
- Side auger with motor at elevator boot.
- Motor in end of side auger.
- Closed elevator base, inlet on downpipe shaft.
- 90° angle.
- 45° angle.

Benefits

- Flexible modular system which offers many options for conveying solutions.
- Single motor for horizontal and vertical conveying.
- Galvanised surfaces for outdoor installation.
- Gear motor or belt drive.
- Rain cover for motor.
- Open auger troughs for grain pit.
- Closed auger troughs for horizontal conveying.
- Low inlet height.
- Standard range of connection pipes.
- Guy wire system permits up to 15 m between supports indoors, and 10 m outdoors for horizontal conveying.



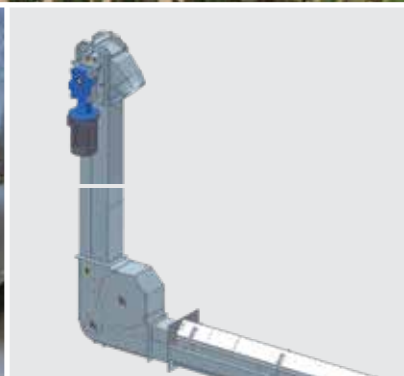
Side auger with gear motor connected to the elevator boot.



Extensions with side inlet to CFG chain elevator/conveyor.



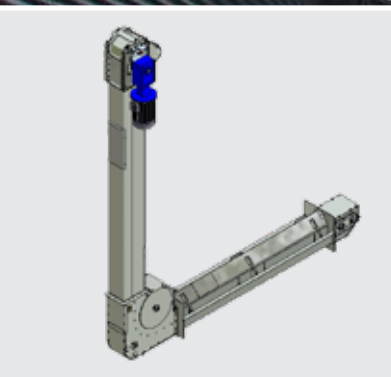
Chain elevator with 45° angle. Drive section with belt drive.



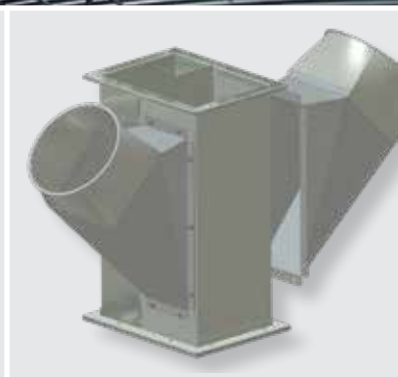
Chain elevators for horizontal and vertical conveying. Side inlets for horizontal section.

Technical specifications	CFG 20	CFG 40
Capacity 700 kg/m ³ 15%H ₂ O, t/hour	20	40
Material thickness extensions, mm	1.5	1.5
Elevator shaft dimensions w x d, mm	164 x 278	228 x 278
Chain speed, m/sec	1.6 - 1.75	1.6 - 1.75
Standard extensions, m	2.5 - 2.0 - 1.0 - 0.25 - 0.125	
Outlet connection	OK160	OK200
Overall length (maximum vertical + horizontal), m	20	20
Motor power, kW	1.5 - 5.5	1.5 - 5.5

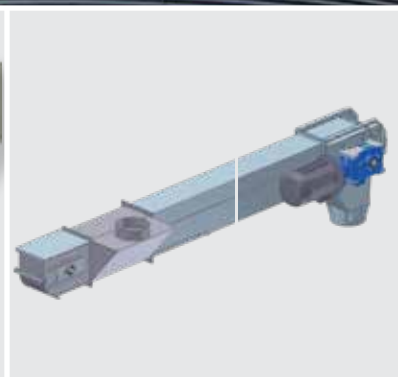
CFG Chain Elevators



Chain elevator with angle for combined vertical and horizontal conveying.



Inlets can be fitted on both sides of the elevator casing downpipe side.



Horizontal conveyor with round inlet. Drive section with gear motor.



Chain elevator from the grain pit delivers the grain to the flexible foot on the next elevator.

Angle Elevator

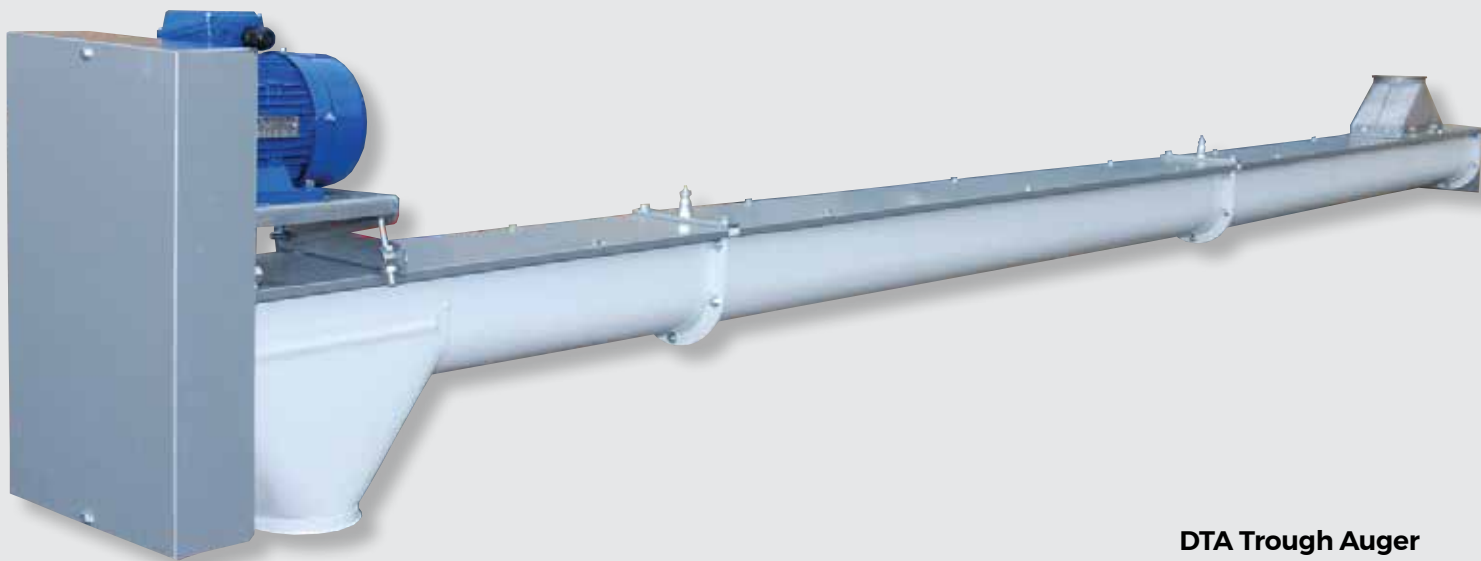
The angle elevator (angleveyor) provides the perfect solution, if you need a conveyor to work both horizontally and vertically.

Benefits

- Needs only connection to a single motor.
- Inlets are fitted to the elevator shaft on the downpipe side, either at the rear or on the sides.
- Compact solution for filling storage e.g. silos.
- Optional gear or belt drives.

Technical specifications	FLG 12	FLG 16	FLG 20
Capacity 700 kg/m ³ 15% H ₂ O, t/hour	12	16	20
Diameter auger screw Ø, mm		135	
Inclination of auger screw, mm	60	90	125
Length of elevator drive, m		6	
Length of motor drive at auger end, m		4	
Length of motor drive at elevator boot, m		7.5	
Length of motor drive at elevator boot, closed trough, m		18	

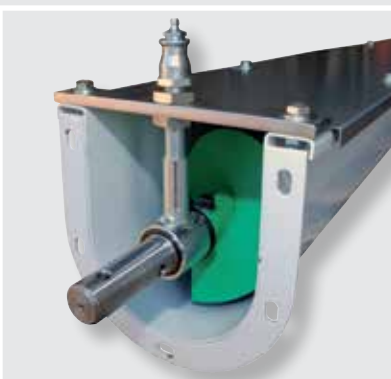
DTA Trough Auger



DTA Trough Auger



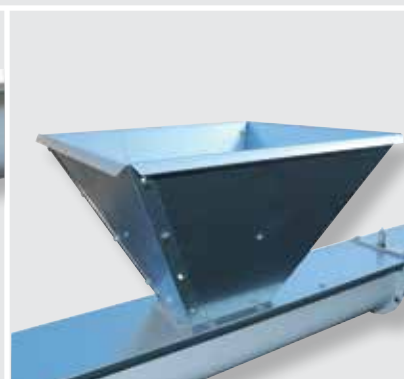
Intermediate outlet with rack and pinion for control using cord drive.



Intermediate bearings are standard in each extension connector.



Intermediate outlet for manual control.



Multiple inlets can be fitted.

Trough augers are the most economical solutions for horizontal conveying. DTA trough augers convey up to 30 t/h over a distance of up to 20m.

Benefits

- Screw shaft is mounted on bearings, so wear on the auger is avoided during idling.
- Many solutions using standard components.
- Closed trough as standard.
- Conveys in both directions.

Accessories

- Multiple inlets can be fitted to the same unit.
- Multiple outlets can be fitted to the same unit.
- Outlets are controlled manually, either directly or through pulleys.

Technical specifications	DTA 152	DTA 205
Capacity t/hour 700 kg/m ³ 15% H ₂ O	20	30
Maximum length, m	20	20
Maximum conveying length, m	19.5	19.4
Diameter of auger screw, mm	133	180
Trough dimension ext. w x h, mm	204 x 210	267 x 275
Material thickness troughs, mm	2.0	2.0
Connection on outlets	OK160	OK200
Transmission	Belt drive	
Motor power, kW	1.1 - 5.5	1.1 - 5.5

DGS / DGA / DGC Grain Augers



DGA Grain Auger



DGS Grain Auger



DGC Grain Cannon



DGA auger head with belt drive.



Inlet with capacity control for DGA auger.



DGS 254 auger with gear motor and capacity regulation on inlet.



Intermediate bearing for DGS auger.

These augers are economical solutions for grain conveying and can be fitted at any angle, horizontal or vertical. Conveying capacity up to 90 t/h. The smaller sizes are highly mobile.

Kongsilde offers

- DGA 102, DGA 127 and DGA 152 with belt drive and motor mounted at auger outlet.
- DGC 102, DGC 127 and DGC 152 with inlet hopper, wheeled stand and motor mounted at inlet. Max overall length 6 m.
- DGS 205 and DGS 254 with galvanized surfaces.
- DGS 205 grain cannon version with belt drive. Motor and belt drive are mounted at the auger's outlet (easy to fit wheeled stand).
- Range of connectors and hoppers for optimum usage.
- Capacity control on the inlet.

Technical specifications		DGA/ DGC 102	DGA/ DGC 127	DGA/ DGC 152	DGS 205	DGS 254
Capacity t/hour 700 kg/m³ 15% H₂O	Horizontal	16	26	40	60	90
	45° inclination	10	17	28	42	72
	Vertical	5 / -	8 / -	14 / -	21	46
Conveying length (foot with hopper), m		12.5 / 6	12.5 / 6	12.6 / 6	11.8	11.7
Ø auger pipe ext./thickness, mm		102 1.5	127 2	152 2	205 3	254 3
Diameter of auger screw, mm		85	108	133	180	230
Connection on outlets		OK160	OK160	OK200	OK200	Q24/ FK250
Revolutions on screw shaft rpm		1000	800	700	450/ 400	400
Transmission		Belt drive	Belt drive	Belt drive	Belt drive/ gear	Gear
Motor power, kW		1.5 - 4.0	2.2 - 4.0	3.0 - 5.5	3.0 - 7.5	3.0 - 11.0

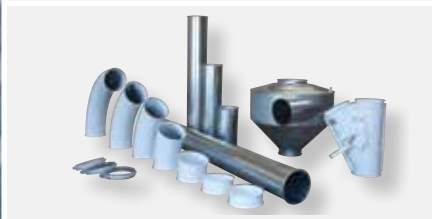
OK Pipe Systems



Bolt clamps and quick-release coupling for assembly of pipe components



Assembly of pipes with quick-release coupling



Wide range of components for easy construction of pipe systems

Kongskilde OK Pipe Systems

Every operation will have different requirements for capacity and layout. That demands a high degree of flexibility in choosing the piping systems that will allow all your equipment to work together.

The Kongskilde OK Pipe System is ideal for pneumatic conveying applications. The simple and flexible pipe systems may be adjusted to suit any specific purpose, resulting in shorter conveying distances and therefore the most efficient and economical solutions.

Robust Construction

Galvanized sheet steel makes the OK pipe system sturdy. The rolled pipe ends serve as reinforcements, maintaining the circular shape and ensuring tight joints.

Three choices of wall thickness are available, depending on the wear to which the pipe system will be exposed. Pipes are available in:

- OK standard,
- OKR reinforced
- OKD extra reinforced (for use after bends)

OK160 and OK200 are standard piping systems while OKR160 and OKR200 are reinforced with heavier material thickness.

Modular Pipe System

Designed in modular form, the OK pipe system comprises pipes, bends, branches, diverters, cyclones, outlets and other needed components, which are assembled quickly and easily using the unique OK quick-release clamp.

The wide choice of OK pipes and accessories ensures flexibility and ease of installation in existing buildings. The modular design of the pipe system makes maintenance and alterations easier, and the relatively low weight of the OK pipes makes assembly easier.

Temporary and Permanent Installations

Two types of OK couplings are available for temporary and permanent systems. If the pipe system is to be dismantled or altered frequently, the OK quick-release clamp will make assembly and removal easy without the use of tools. For permanent systems, the OK bolt clamp is recommended.

Full Utilization of the Air Stream

The advanced production machinery ensures a continuous, smooth inner surface of the pipeline, providing gentle and efficient conveying with and maximum utilization of the air stream.

Saved Floor Space

OK pipe supports permit wall and ceiling mounting, thus keeping clear valuable floor space in production areas or storage plants.



Trusted Global Provider of Grain Handling Solutions **Since 1949**

Since its establishment in 1949, Kongsilde has consistently prioritized the development of products aimed at enabling the efficient, appropriate, safe, and gentle handling of grain commodities, with a notable emphasis on the role of air in this process.

Furthermore, Kongsilde has cultivated a substantial level of expertise in mechanical conveying, cleaning, storage, and drying, positioning the company as a pioneer with unique knowledge in pneumatic conveying systems within the agricultural industry.

In the present day, Kongsilde remains dedicated to providing highly efficient pneumatic conveying systems in diverse layouts, alongside mechanical conveying systems. Each type of system offers specific advantages tailored to distinct solutions, ensuring both flexibility and effectiveness. We extend our efficient and proven solutions from a wide range of products and systems, making them available locally or globally through our own subsidiaries or trusted partners. This philosophy continues to empower us to serve customers worldwide.

