

ZUK STAŃPORKÓW S.A.



since 1738

CONVEYORS

CONVEYOR MANUFACTURER

We have been delivering technology-based solutions across sectors and industries for nearly 50 years. A leading conveyor manufacturer, our mission is to make work easier for our customers.

Our products include:

- slag removers and scraper conveyors
- belt conveyors
- screw conveyors
- chain conveyors
- roller conveyors
- bucket conveyors.

SERVICES

Our personnel have the necessary conveyor servicing and maintenance expertise and experience. They are available to assist our customers and advise them how to operate and maintain conveyors properly.

Our services include:

- installation (assembly) and dismantling
- start-up and commissioning
- quality and technical acceptance testing
- periodic technical inspections
- maintenance and servicing
- overhauling.





SLAG REMOVERS AND SCRAPER CONVEYORS

ZUK offers slag removers and scraper conveyors:

- suspended conveyors (PPZ, POZ)
- with top-trough scraping (OZGW)
- with single-trough scraping (OZDW)

Suspended scraper conveyors (PPZ)

They are designed to extinguish slag and to prevent false air intake. These slag removers are used primarily with fire-tube boilers.

Technical specifications:

- maximum capacity of the slag remover: 0.8 MT/h
- motor power: $N=0.55$
- drive shaft speed: $n=2.61$ RPM
- conveyor belt speed: $V=2.057$ m/min.



Slag removers with scraping function

Our products include:

- a slag removal conveyor with two troughs for top-trough scraping (OZGW)
- a slag removal conveyor with one trough for bottom-trough scraping (OZDW)

Both are designed to extinguish slag and to take it away from the boiler area, and to prevent false air intake. They can be customised to increase their capacity by reducing the pitch and increasing the height of the scraper according to customer specifications.

The size of the conveyor can be suited to your needs.

OZGW and OZDW conveyors are available according to our designs or customer-supplied documentation.



BELT CONVEYORS

Depending on the intended use, ZUK's belt conveyors can be supplied with:

- self-adjusting roller sets
- an adjustable screw mechanism or, with longer conveyors, a system of weights for conveyor belt tensioning
- a geared motor in the drive mechanism
- a scraper at the drive drum
- a scraper at the steering drum
- inside scrapers
- pull cord emergency stop devices
- motion sensors to warn the operator about motor rotational speed issues

ZUK's belt conveyors are available according to our designs or customer-supplied documentation.



ROLLER CONVEYORS

Roller conveyor parts:

- rollers set along the transport line, mounted on axles in the conveyor frame. When they rotate, they serve as a transport surface for materials
- frames that hold the rollers at appropriate distances and positions
- axles fixed in the conveyor frames to allow the rollers to rotate freely

ZUK's roller conveyors are available according to our designs or customer-supplied documentation.





SCREW CONVEYORS

A screw conveyor is a mechanical device that uses a screw shaft or screw blades to carry materials.

When choosing a screw conveyor, it is important to choose the right screw type and conveyor design for the intended material movement operation.

ZUK's shaft-based screw conveyors are available according to our designs or customer-supplied documentation, but ribbon conveyors can only be made according to customer-supplied documentation.



SEPARATORS

Our separators will make your operations more efficient, with minimum operation and maintenance costs. The separators offer very good performance even for small-size materials. Our separators are made with precision for high efficiency.

Areas of application for separators:

- construction
- recyclable materials
- mining.

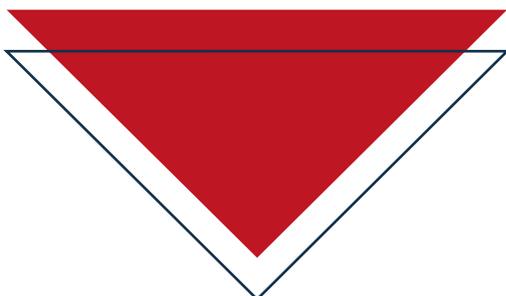
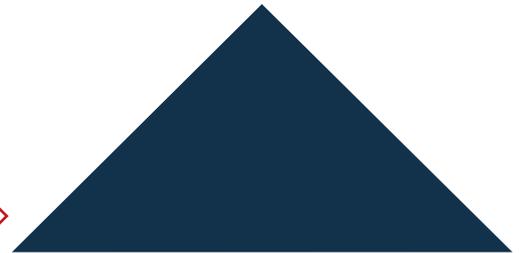


CHAIN CONVEYORS

These are conveyors that use chains as the main transport tool. Steel chains move on rollers or guides, carrying the load along the transport line.

Chain conveyors are widely used in various industries due to their strength, stability and ability to carry heavy loads.

ZUK's chain conveyors are available according to our designs or customer-supplied documentation.





BUCKET CONVEYORS

They are used for vertical or inclined transport of bulk materials such as grains, ores, fertilizers, coal, cement, aggregates and other similar materials.

The buckets are filled with material in the lower section of the conveyor. Then, with the movement of the belt or chain, they are lifted up, moving the material to a higher position. At the top of the conveyor, the buckets are emptied into, for example, a hopper, silo or other container.



PIPE CONVEYORS

A tubular (pneumatic) conveyor is used to transport loose materials such as coal and ash, aggregate, sand, cement and others.

The air flowing through a closed pipe system allows materials to be moved over considerable distances without the need for conventional conveyors.

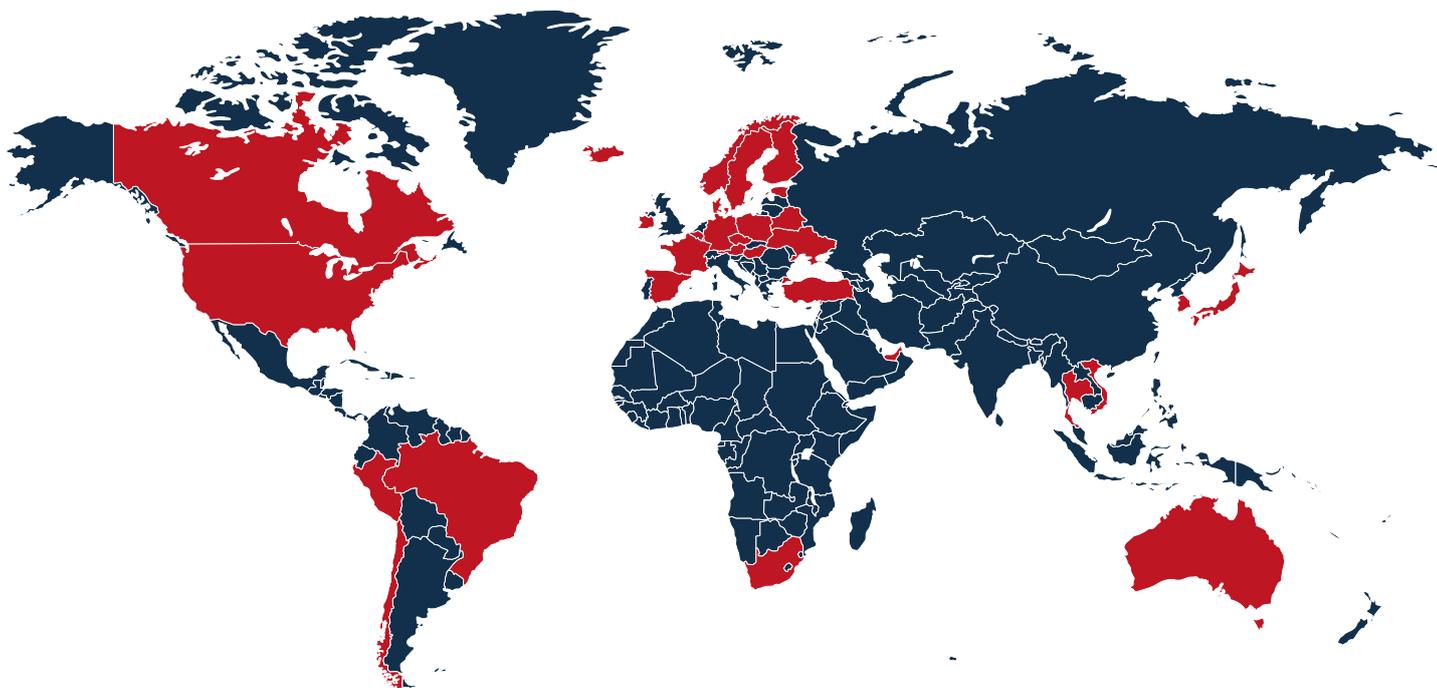
Tubular conveyors can be used in industries such as construction, energy, mining, ceramics or glass production.

SPARE PARTS

**We offer the following
components and spare parts
for conveyors:**

- sliding plates
- float compartments
- chains
- bearings
- motor drives
- rollers
- screws
- replaceable slides
- scraping belts
- shafts
- troughs
- basalt lining
- locks
- scrapers

Each project involving customised spare parts can be carried out according to client-supplied documentation or designs and drawings prepared by a team of experienced designers and construction engineers.



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