denipro...

Conveying with ease

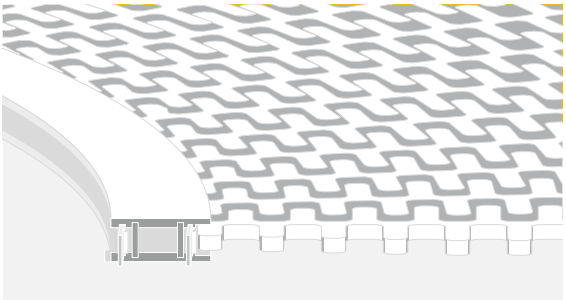
deniconda®

Spiral conveyor

The new, slim-line generation

Slim-line – but very strong

Perhaps you'd like to bridge differences in height cleverly and efficiently. Or integrate an intermediate level, or a buffer in the material flow without completely rebuilding your conveyor. All that's possible with deniconda spiral conveyor.
deniconda is slim-line, but still very strong and ideal for various industries, particularly the food segment. The modular belt has a rolling support on the inner radius. The spiral conveyor uses deniroll curve support. As a result, sliding friction, resistance and energy consumption are all reduced. Consequently, a much smaller drive motor is required.



The innovative principle:
On the inside radius the modular belt is guided through a curve support. The sliding friction that usually occurs is prevented by a roller belt.

In addition to the drop in energy consumption, wear and tear is also cut and much less maintenance is required. In other words, the investment pays for itself in a very short space of time, an aspect that decreases the total cost of ownership (TCO) substantially.

Virtually unrestricted layouts
The curved components can be placed next to one another in any number of ways and the integrated merging elements can be positioned next to one another at angles of 0 to 330°. The modular structure of the spirals opens up almost limitless possibilities for the conveyor's layout. Height differences of up to several metres are no problem.

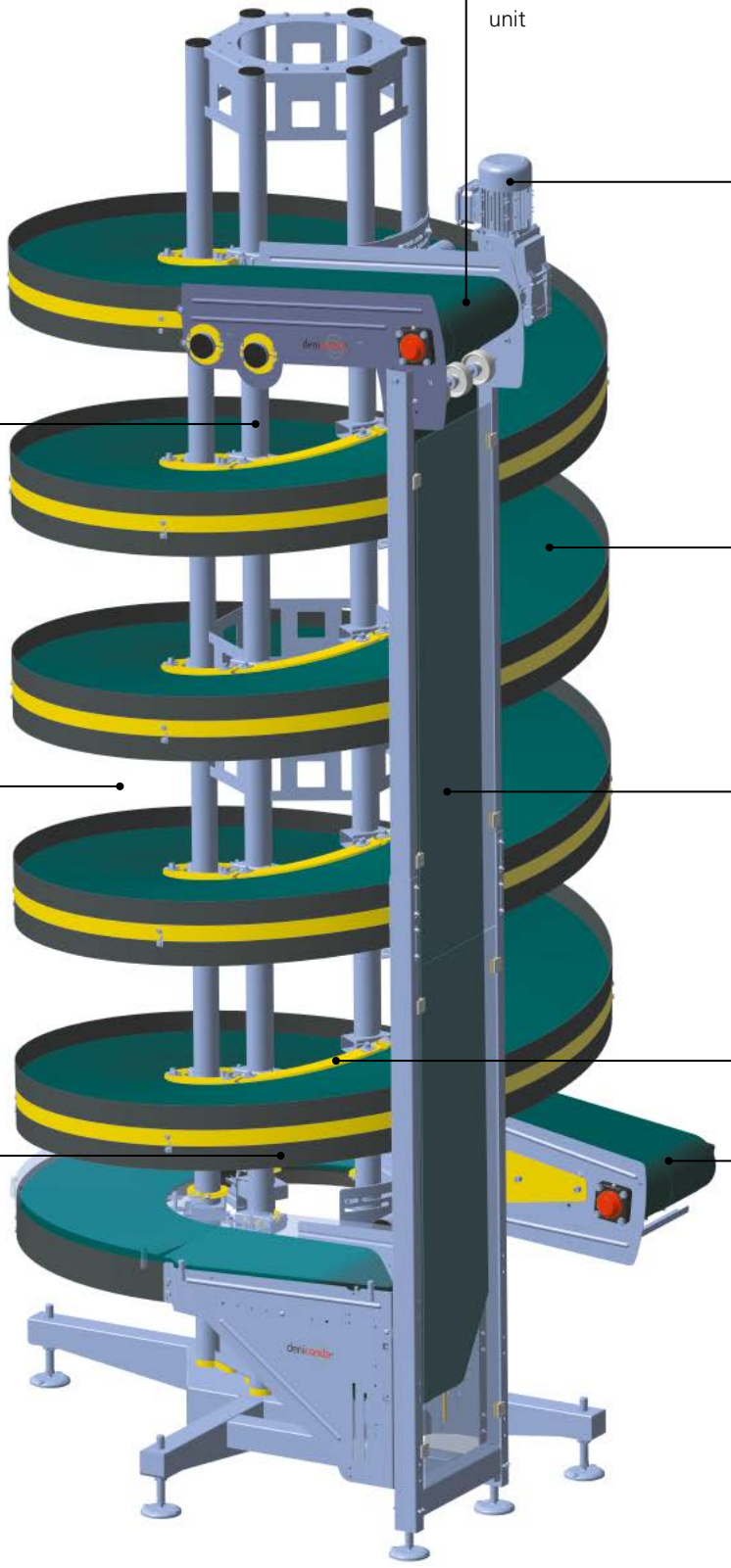
Customers' requirements top priority
The diameters and width of the conveyor are also driven by customers' requirements. Thanks to a high level of standardisation, visuals can be created showing their requirements that then allow project planning.

Low power consumption
In the past, towers, rotating cylinders and the motor capacity to match were required to bridge differences in height. Now, all that's needed is the slim-line deniconda spiral conveyor with one single drive and low power consumption.

The deniconda spiral conveyor

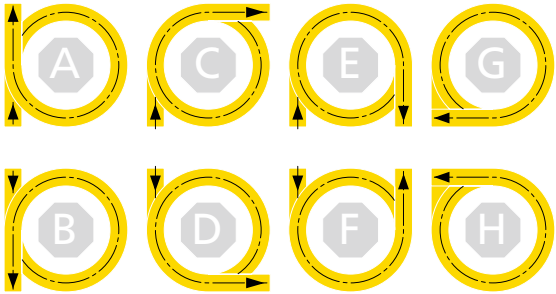
- is modular
- can be custom-configured as a result
- is available in a number of different dimensions
- is easy to integrate into existing conveyors
- is lightweight but still very strong
- is particularly ideal for the food industry
- is easy to clean
- uses deniroll curve support
- and therefore replaces sliding by rolling friction on the inside radius
- requires a much smaller drive motor as a result
- saves energy and costs
- is low on wear and tear and maintenance

These modules tick all the boxes



This conveyor is shown as a diagram, therefore the details are not binding.
We reserve the right to make technical changes.

Solid column design
The tower consists of standard elements of 1 m and 2 m height and can be added to at a later date too. Specially for the food industry, the components are connected tightly so that nothing can penetrate. The solid design of the columns is constructed on generously sized base profiles.



Types
deniconda spiral conveyors are supplied in the designs shown above in virtually all other angles.

Ready to start immediately
deniconda is supplied as a fully functional unit. After positioning, aligning and securely anchoring it in the floor it's ready to start. An excess current switch is included as a standard, making overload impossible.

Hygiene included
The deniconda spiral conveyor conveys and buffers lightweight to medium-weight unit goods in logistics, intralogistics and production applications. It requires no grease or lubricants. Consequently, it's ideal for areas like food, pharmaceuticals and chemicals that have stringent hygiene regulations. The roller chain is also available with an open, very permeable design and with grips and friction inserts. It's made of high-quality plastic and can be cleaned. The roller chain is made of high-quality, washable plastic and is also available with a rubber surface which means the parcels don't slip. A chrome-steel version is available on request.

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Material of supporting structure	steel / stainless steel
Belt width	255 mm / 340 mm / 425 mm / 510 mm
Conveying direction	upwards or downwards; for a short time, for example for unloading, reversing also possible
Outside spiral diameter	depending on the modular belt
Number of 360° spirals	max. 4
In-feed/out-feed unit	integrated
Usage	dry areas

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