

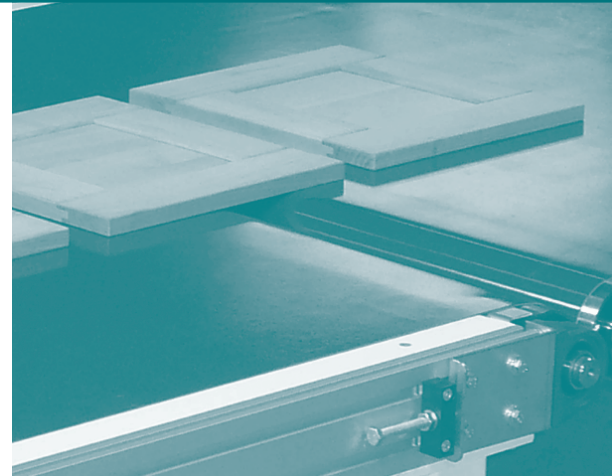
Venjakob®

**AUTOMATION AND OPTIMISATION
OF PROCESS CYCLES**

VEN TRANS
CONVEYOR TECHNIQUE

VEN MOVE
HANDLING

Venjakob[®]



COMPETENT PARTNER OF VARIOUS BRANCHES

We produce well-engineered production technology for our partners in diverse industrial sectors, based on many years of experience and the profound technical knowledge of our employees. The multifaceted and custom-made Venjakob conveying and handling concepts have proved itself from motorcar manufacturers right through the building material sector, foundries, wood and furniture industries, all of the plastics sectors, leather and metal machining industries to the extensive range of suppliers of all kinds of materials.

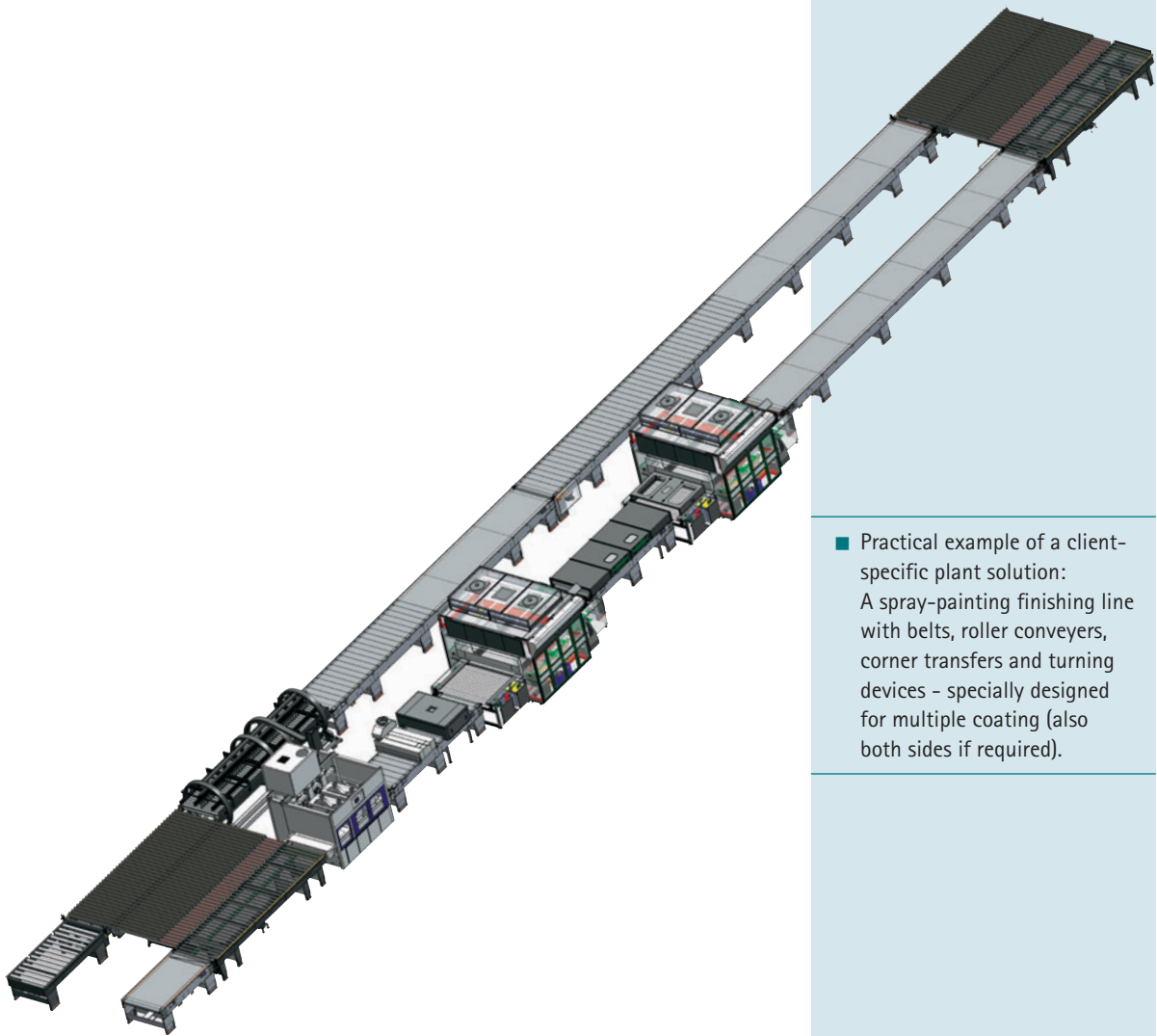
To achieve a high degree of cost-efficiency is a prime objective in the automation of process cycles as well as the optimisation of handling services. Professionalism and expertise form the backbone in the production of our independently devised conveying technology. As an experienced partner we realise and know what is expected of solid machine-building. Our clients place their trust in the extensive range of services available from our company for single solutions as well as complete plant concepts.

VEN TRANS
CURVE



CURVED CONVEYING: This patented system technology allows for the work pieces to veer out beyond the dimensions of the curve. The smooth and careful conveying of small pieces as well as work pieces with large surfaces is guaranteed. The image shows a VEN TRANS *CURVE* application, in which the large parts are returned systematically and in a space-saving manner by means of a 180° curve conveyer belt.

A HIGH DEGREE OF COST-EFFICIENCY IS THE DETERMINING FACTOR



■ Practical example of a client-specific plant solution: A spray-painting finishing line with belts, roller conveyers, corner transfers and turning devices - specially designed for multiple coating (also both sides if required).



INDIVIDUAL: The selection to install webbing belts, wire mesh, steel belts or conveyer belts is determined by the work pieces and the client-specific conditions. Can be planned as a single solution or as component in a Venjakob assembly production line.

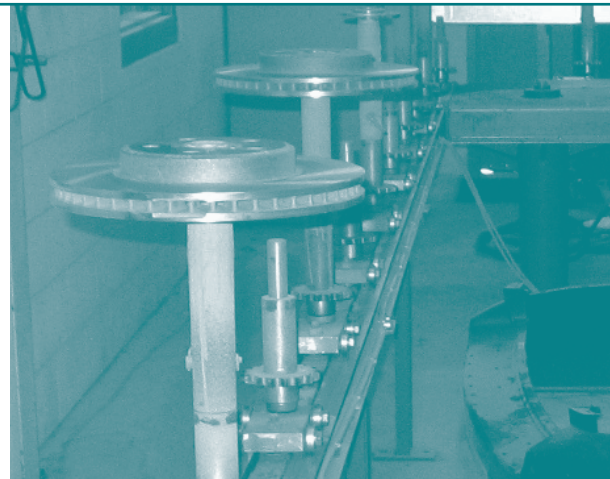
VEN TRANS
BELT



RELIABLE: If required, roller conveyers with work piece rearrangement from single to double track, backup and disc roller conveyers or line shaft conveyers complete the range of continuous conveyers. The image shows a batch optimiser for the elimination of unproductive free spaces.

VEN TRANS
ROLL

Venjakob[®]



MOVE PARTS SAFELY AND EFFECTIVELY

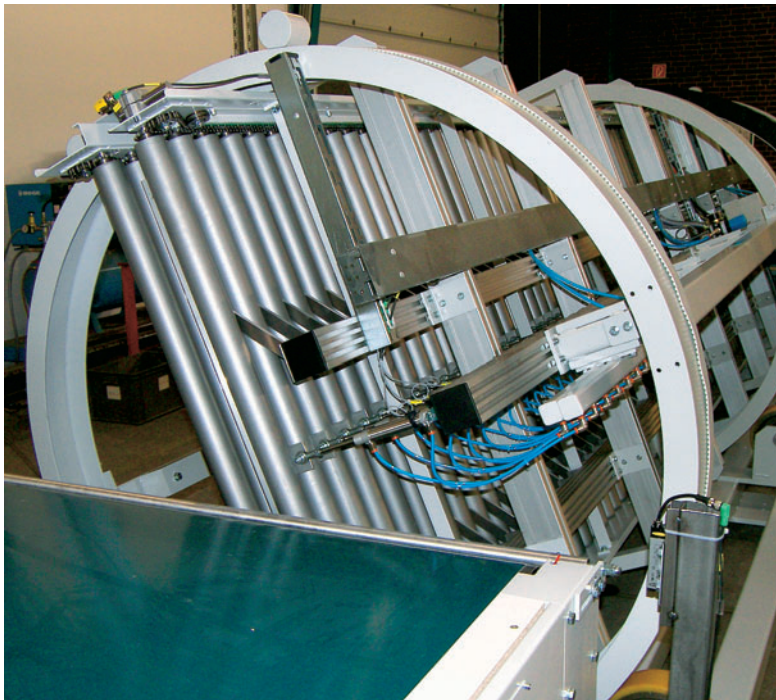
Individual conveying technology has many criteria to take into consideration. The dimensions of the work pieces, the material characteristics and the distances to bridge, all play a big role. Additional aspects such as short drying distances or the biggest possible conveying capacities have a significant influence on the conception of an effective and professional conveying solution. The diversity of the VEN TRANS system technologies makes a broad spectrum of powerful and impressive solution components possible.

Continuous conveyers, patented curve conveyers or sophisticated corner transfers reliably accomplish the continuous conveying of work pieces. Assignments that need a flexible work pieces carrier system are performed by spindle chain/chain-on-edge conveyers or skid conveyers in defined process cycles with fixed or synchronised conveying. All conveying solutions have designed for extreme demands and work in high temperature areas up to 450°C as well as in explosion-prone atmospheres.

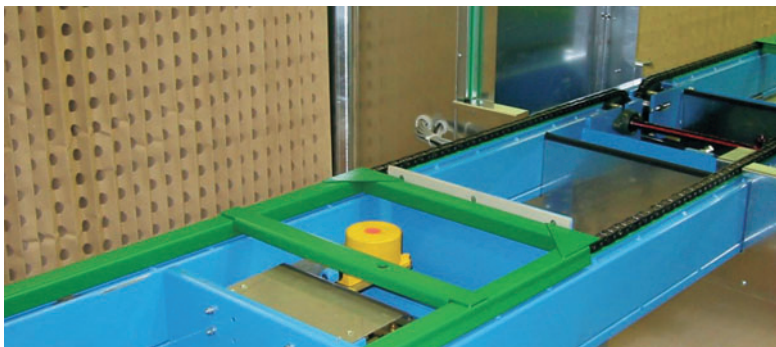
VEN TRANS
ROTARY



CHAIN-ON-EDGE | SPINDLE CHAIN CONVEYERS: The exact positioning and reliability of the system with its rotating spindles as work piece carriers is impressive. The adjustment of the rotational movements is fully variable. Continuous as well as the synchronised conveying is possible. The system technology ensures optimal finishing of parts in the lacquering and drying process.



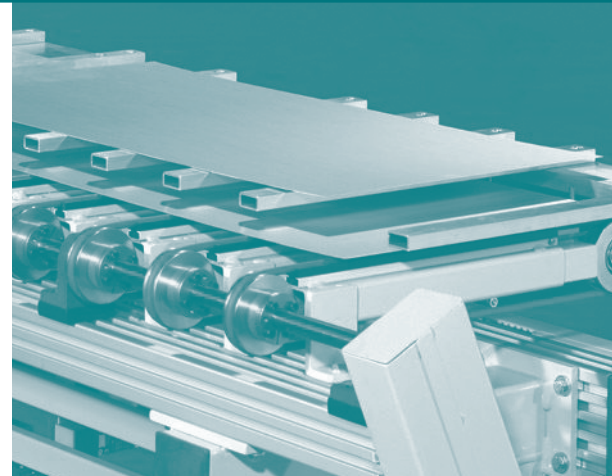
■ The drum turning device with automatic work piece clamping for the turning of batches on the track.



SKID CONVEYER: This is an extremely versatile conveying system for use with work piece carriers. From seals up to completed truck housings, it can be loaded with random work piece sizes. Skid conveyers reliably perform the synchronised stepping as well as continuous conveyance or the perfect feeding of parts within a production line and guarantee defined process cycles.

VEN TRANS
SKID

Venjakob®



PROFESSIONALLY OPTIMISE HANDLING

Great rationalisation potential lies beyond the safe and effective conveying of work pieces in the automation and optimisation of recurring handling tasks. Venjakob's own innovative handling solutions provide impressive cost-efficiency in production which, in turn, increases the company's competitiveness. Ideally selected and matched procedures and the professional interplay of man and technology greatly impact on work satisfaction and the overall company success.

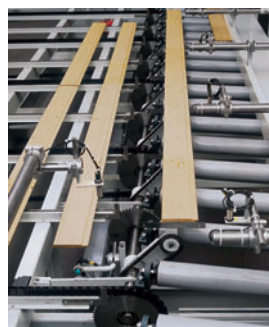
VEN MOVE system technologies fulfil the multifaceted handling demands. For rotation, turning, transfer, feeding, collecting, separating or allocating, solutions are often multi tasking. The tried-and-tested conveying and handling components of system lines and the VEN DRY drying system complement the industry knowledge gained from countless project planning activities and it constitutes the Venjakob range of services so appreciated worldwide.

VEN MOVE TURN



TURNING: A professional turning solution is needed for double-sided surface finishing. The illustrated turning procedure with track-changing results in a very high turning capacity and at the same time ensures the quality of the parts to be finished.

VEN MOVE TRANSFER



TRANSFER: The illustration shows an application from the finishing of a moulding. With the transfer of work pieces the conveying is changed from lengthwise to crosswise. The crank and rocker mechanism enables the transfer of work pieces in an extremely short period of time.



■ Shuttle portal:
The image shows the conveying of tank halves after pre-treatment over a distance of 12 metres to the following welding station.



STACKING | FEEDING: A production cycle often starts or ends with the automated feeding or removing of parts. The illustrated feeding or stacking equipment is equipped with transverse vacuum suction, for installation in pit or pitless design.

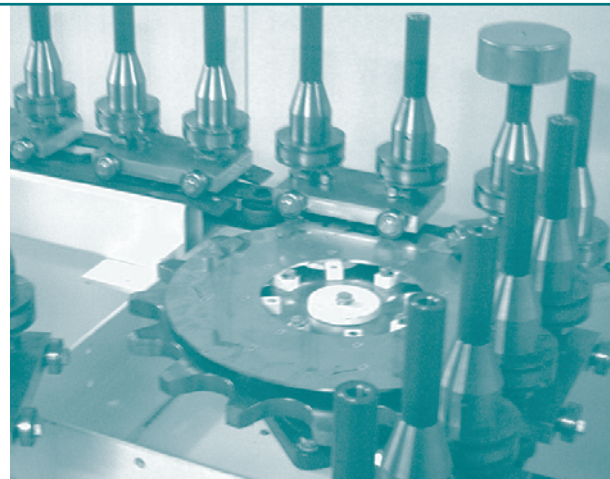


COLLECTING | SEPARATING: The automated collection or separation of work pieces must often be performed in multiple ways in the production process. Venjakob creates optimal client-specific solutions for the handling of parts. The image shows the shortening of a drying distance.

VEN MOVE
STACK

VEN MOVE
COLLECT

Venjakob®



SURFACE COMPETENCE WITH KNOW-HOW

As an internationally renowned system manufacturer Venjakob has been designing innovative surface coating machines for more than 40 years. Individual machine line solutions, optimisation of production processes as well as development of innovative system technologies are devised and realised on the basis of many years of experience and the profound expert knowledge of our employees. Our daily work is characterised by individuality, close dialog with our partners in the various lines of industry and a concept-referenced way of thinking and acting.



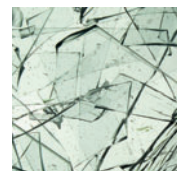
Wood



Plastic



Metal



Glass

VEN BRUSH
BRUSHING | SANDING

VEN CLEAN
CLEANING

VEN MOVE
HANDLING

VEN TRANS
CONVEYOR TECHNIQUE

VEN SPRAY
COATING

VEN DRY
DRYING

VEN CLEAN AIR
EXHAUST AIR PURIFICATION

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