EXPERT®

WE SET THE PACE!

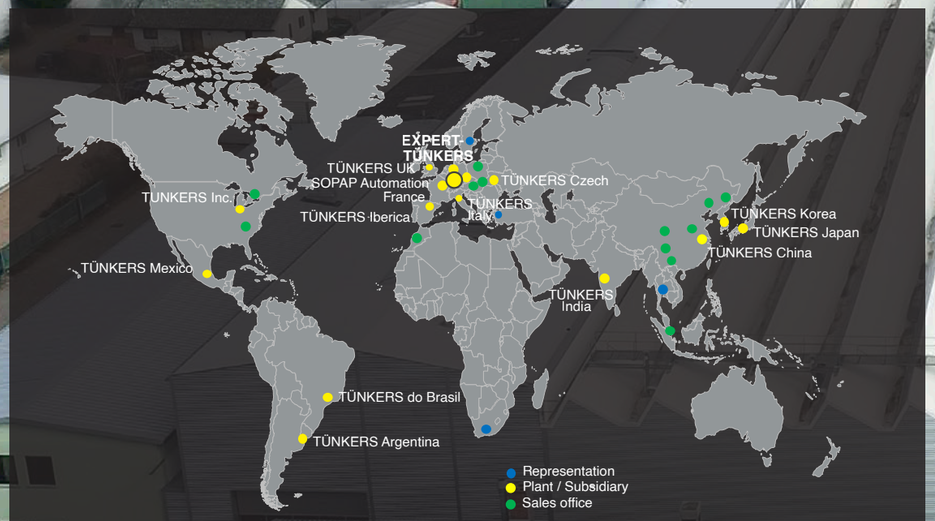
TRANSPORTING TECHNOLOGY

EXPERT®
Indexing & Positioning.

BRIEF PROFILE

Based in Lorsch, Expert-Tünkers GmbH is a leading, internationally networked company with more than 50 years of experience in the field of automation technology. With extensive know-how, the company offers standardized components as well as tailor-made solutions in the fields of transport, conveying and lifting technology for various industries, including the automotive, chemical and food industries and many more.

With an experienced team and high technical competence, EXPERT-TÜNKERS develops individual solutions for complex production processes. EXPERT-TÜNKERS manufactures all its components in-house and can rely on state-of-the-art machinery that enables both customer-specific special solutions and optimized delivery times.

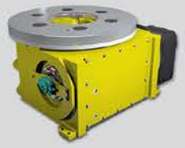


EXPERT-TÜNKERS

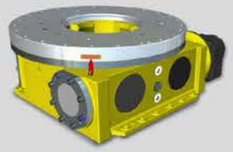
Founded	1961
Since 2006	Subsidiary of the TÜNKERS Group
Employees	150
Turnover in 2024	€41 million
Office	Space 1,161 m², production 12,000 m²
Location	Lorsch, 40 km south of Frankfurt

TURNING

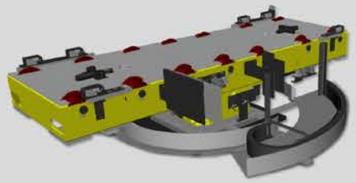
Fixed-partition rotary table



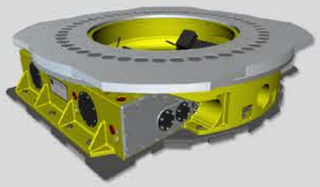
Flexible rotary table



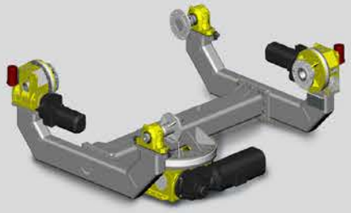
Rotating station



Double cam rotary table

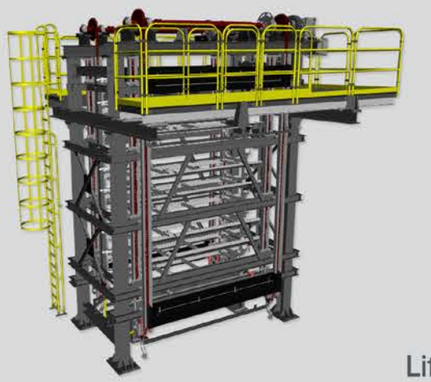


Rotary table turning device



Drum drive with staking unit

Skid buffer



Lift-and-rotate unit

Level lifter

Lifting columns

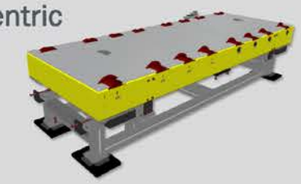
Rotating/ lifting unit

LIFTING

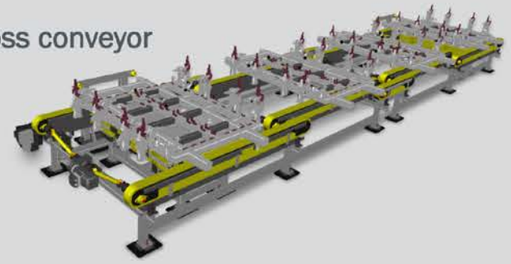
Ring buffer

LIFTING & CONVEYING

Eccentric lift

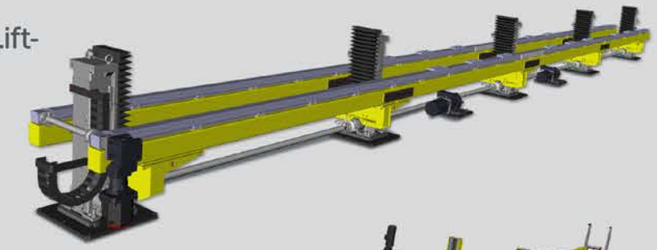


Cross conveyor



Lifting/lowering conveyor

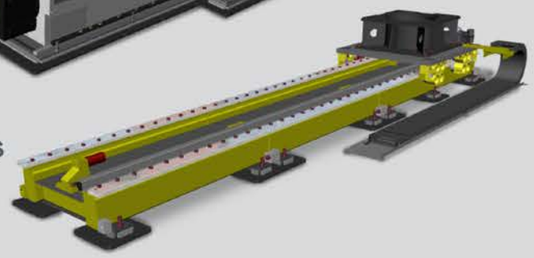
Duorail-Lift-Shuttle



Lift & Shift/ Shuttle System

Roller conveyor

7th axis



CONVEYING

UNIVERSAL PROCESS AXIS

The seventh axis expands your robot’s working envelope and enables maximum flexibility, even for the most complex processes. With a rigid modular design, precise rack-and-pinion drive, and automatic lubrication, we guarantee the highest reliability — even at lengths of up to 30 m / 1181 inch.

Watch the video:

HIGH-PERFORMANCE CONVEYING TECHNOLOGY

The LPRB | Lift Powered Rollerbeds by EXPERT-TÜNKERS combines precision, speed, and durability for efficient body-in-white assembly. Utilizing a proven spindle index Cam, with a robust cam follower mechanics and flexible transfer positions, it ensures smooth, fast, and repeatable lifting and conveying processes. Compact, low-maintenance, and with cycle times under 10 seconds, it is the perfect solution for modern production lines.

- <10 s motion time
- Repeatability Robust and durable mechanics Gentle part transfer Compact
- Maintenance-friendly

TRANSPORT TECHNOLOGY

Conveyor system for automotive body shells, for safe and precise positioning of skids with bodies or body parts in flexible station construction.

- Short cycle times
- Gentle component transfers
- Flexible locating of the transfer position
- Compact design
- Extremely low maintenance
- Long service life

PRODUCTION IN TWO LEVELS

The EXPERT-TÜNKERS floor lift is a powerful solution for the vertical transport of components or carrier structures between two conveyor levels. Thanks to its robust frame construction, compact design, and flexible adaptation to different installation heights, it is ideally suited for integration into automated production and logistics systems.

- Reliable transport for heavy loads up to 3.000 kg / 6614 lbs
- Sturdy double-T frame construction
- Variable construction height up to 12 m / 472 inch
- Slim, space-saving design with integrated roller guides – ideal for tight installation conditions
- Redundant drive system for increased operational safety
- Drive optionally located at the top or bottom

TECHNOLOGY THAT MOVES

Our EXPERT-TÜNKERS vertical lifting column is not only used in lift power roller beds, but is also a central component of our shuttle systems, lift-rotary unit and further special solutions.

With decades of experience, innovative technology, and a strong team, we develop individual products that are successfully used worldwide in production.

EFFICIENT INTERMEDIATE STORAGE

Skid-Buffers keep production running even when individual stations need to pause briefly. Like an intelligent shelf, they securely store large components and release them at the right moment. This keeps manufacturing processes flexible and efficient.

More efficient use at the start or end of the line through EXPERT-TÜNKERS roller conveyors and turning stations that can be rolled into the line – 3D Skid Logistics.

LEADING KNOW-HOW IN ROLL DRIVES

Drives for every task!

- High loads and low drive forces
- High loads and high acceleration
- Manufacturing know-how at the highest level
- High in-house production depth
- Production and assembly with highly qualified and motivated employees
- Rotary and linear drives
- In-house engineering (design, calculation, etc.)

Our modern machinery ensures the necessary precision for the rolls and drive geometry.

5 axis rotating/milling up to Ø 3000 x 1500
5 axis rotating/milling up to Ø 500 x 2900

- CNC machines
- Rotating/milling centres
- Grinding machines
- Induction hardening system

OUR REFERENCES:

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