

EXPERT[®]

WE SET THE PACE!



ROTARY TABLE



EXPERT[®]
Indexing & Positioning.

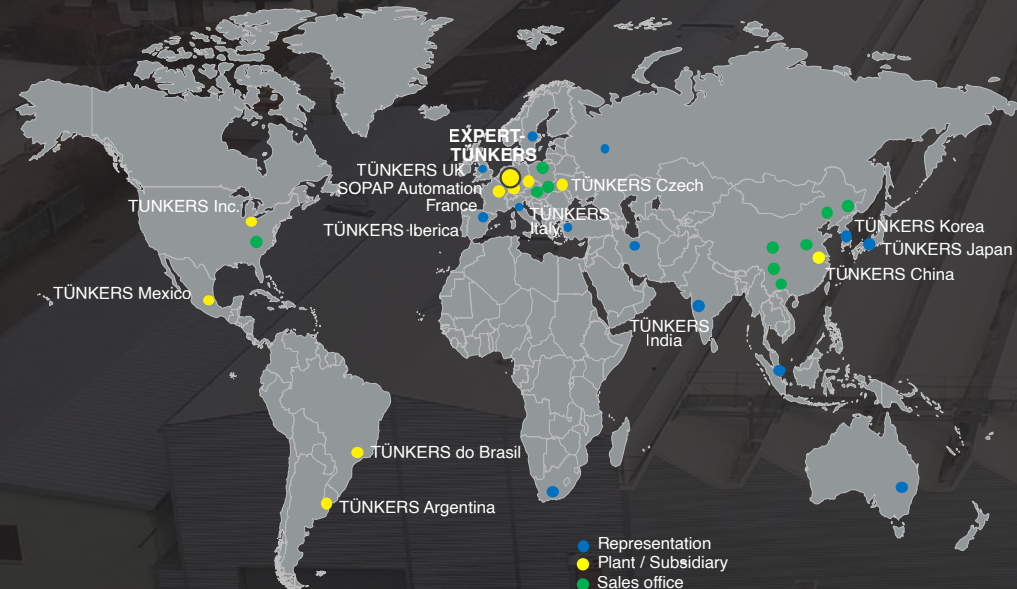
BRIEF PROFILE

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 standardised 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 optimised delivery times.

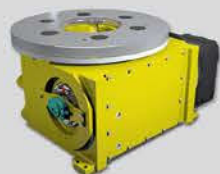
EXPERT-TÜNKERS

Founded	1961
Since 2006	subsidiary of the TÜNKERS Group
Employees	150
Turnover in 2024	€41 million
Office	space 1,161 m ² , production 12,000 m ²
Location	Lorsch, 40 km south of Frankfurt

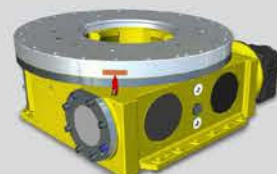


TURNING

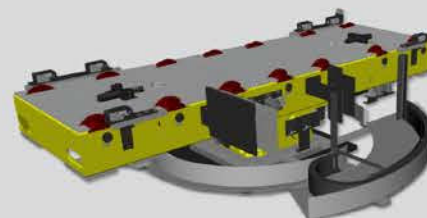
Fixed-partition rotary table



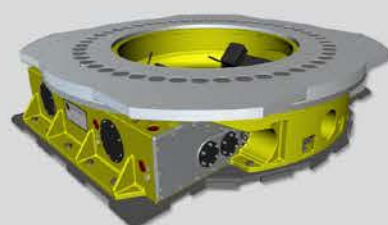
Flexible rotary table



Rotating station



Double cam rotary table



Rotary table turning device



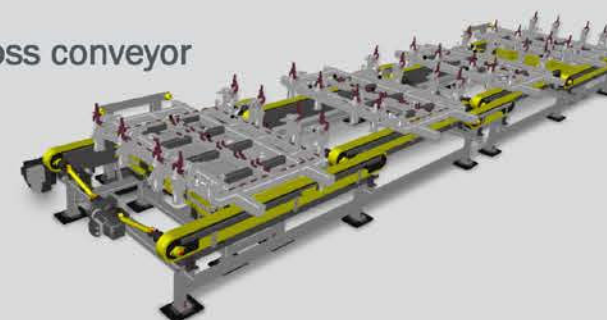
Drum drive with staking unit



Ring buffer

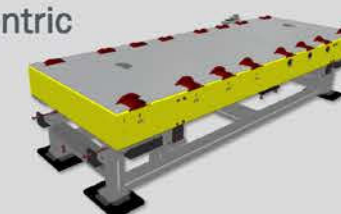


Cross conveyor



LIFTING & CONVEYING

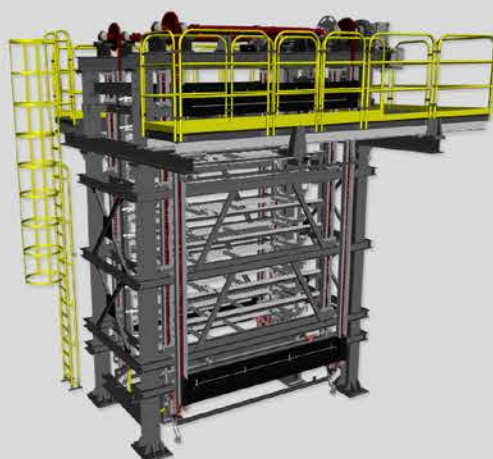
Eccentric lift



Lifting/lowering conveyor



Skid memory



Lift-and-rotate unit



Level lifter



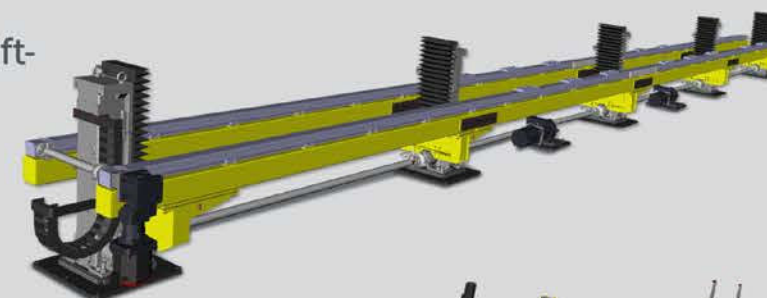
Lifting columns



Rotating/lifting unit



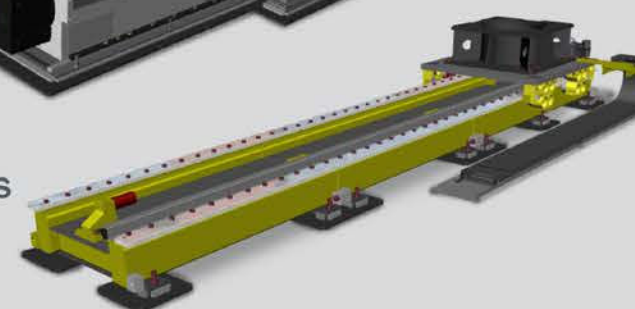
Duorail-Lift-Shuttle



Lift & Shift/Shuttle System



7th axis



Roller conveyor



LIFTING

CONVEYING

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 level of in-house vertical integration
- Production and assembly with highly qualified 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



HEAVY DUTY ROTARY TABLES

We manufacture special designs for demanding applications and heavy loads. 150 tons and 20 meters in diameter do not pose challenge for us.



ROTATION TECHNOLOGY

Our core products are **roll rotary tables and drum drives**. These rotary tables, in which the torque of the gear motor is transmitted to the table top via a roll by means of roll bolts, are a central component in the automation lines of today.

Rotary tables by EXPERT-TÜNKERS are synonymous with **fast rotating and precise positioning** – in the small rotation range as well as with large loads. All parts, including the steel rolls, are manufactured in our high-tech production facility in Lorsch. 100% flexibility, high precision, a patented principle that facilitates simple, low-maintenance and extremely efficient system design.

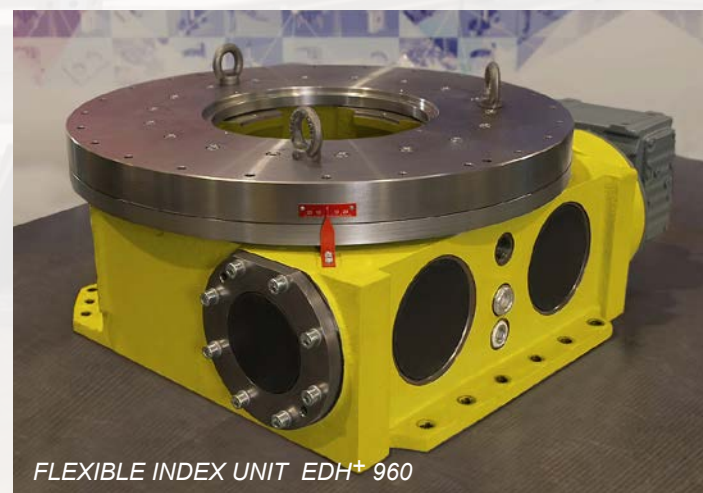


EDH⁺ FLEXIBLE INDEX UNIT

Discover the EDH⁺ series index unit, equipped with freely programmable servo motors for customized motion requirements. You can **freely select the output angle and acceleration** to suit your needs.

Key features:

- Higher torque through multiple bolt engagement
- Extremely flat design for space-saving installation
- Roller bolt exchange without disassembling tools
- Faster motor replacement via motor adapter plate



FLEXIBLE INDEX UNIT EDH⁺ 960



PRECISION INDEX UNIT

EGD Globoid Rotary Table – application areas for:

- Automotive industry worldwide
- Welding systems for spot, laser and ultrasonic welding
- Packaging machines/filling machines
- Pressure machines, assembly machines
- Feeding systems, tool changers
- Contract manufacturing



Globoid index unit EGD80



COMPACT GEAR INDEX UNIT

Small in size yet powerful in performance!

Our compact gear rotary tables combine a small footprint with impressive strength. The smallest model, with only 140 mm height, delivers a torque of 160 Nm.

Its robust construction and precise technology make it a reliable tool for specialized applications, such as research.



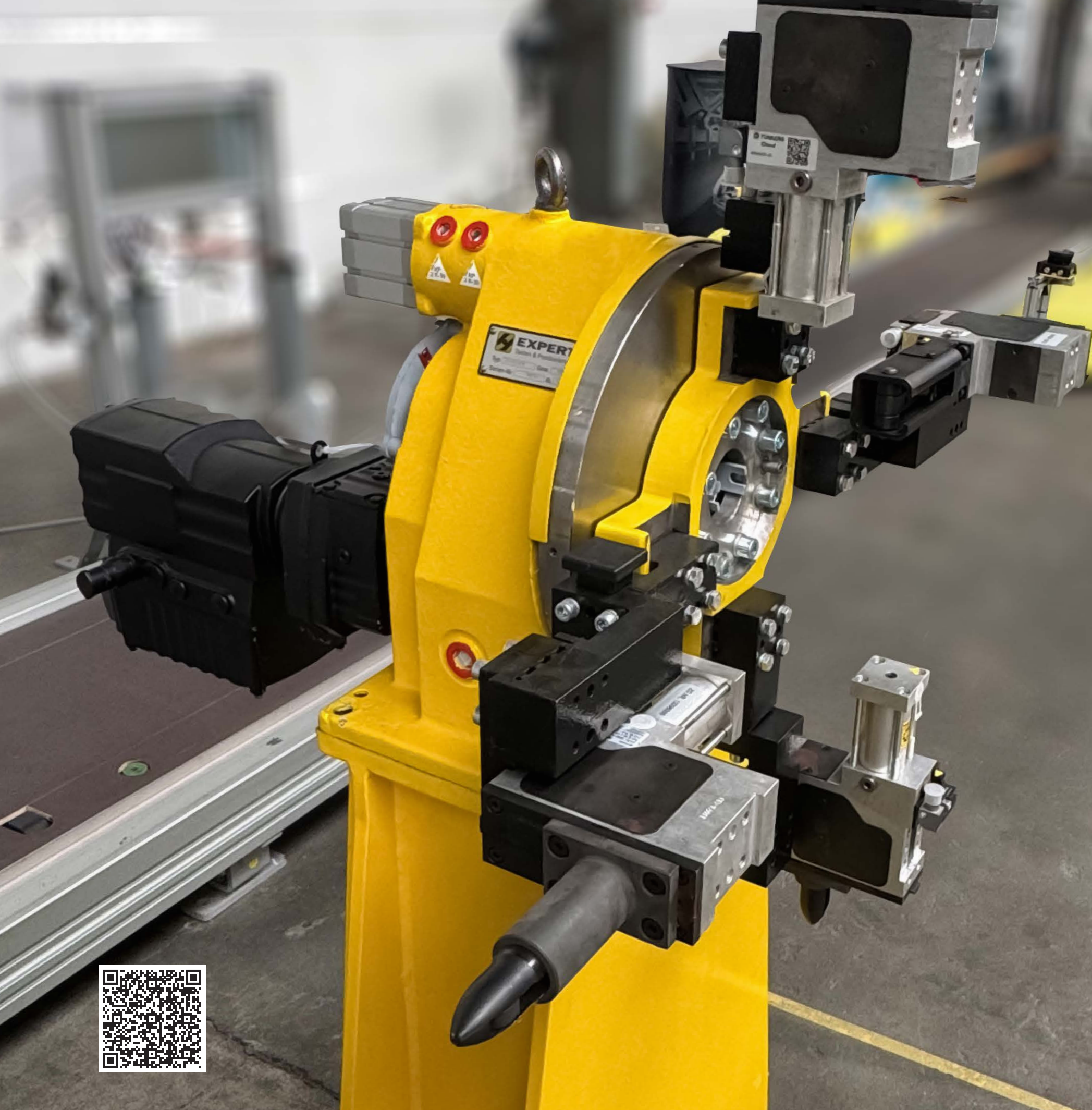


HORIZONTAL ROTATION AXES

The EXPERT solution – Trunnion systems

- Powerful and space-saving drives
- Flat design
- Compact build
- Energy-efficient drive
- Fewer components
- Full flexibility in selecting rotary drives
- Optional locking and position detection





THE EEW SERIES COMPACT DESIGN – MORE WORKSPACE

The “Windmill” EEW trunnion drive with locking unit.

High-Dynamic Drive: Reinforced radial bearings ensure reliable performance under increased loads.

Compact Build: Minimal space requirement — ideal for tight installation conditions.

High Rigidity: Integrated mechanical locking guarantees precise and secure positioning.

Fast Cycle Times: Enables high dynamics and efficient processes.

Safe Handling: External safety locking prevents unintended rotation and ensures precision positioning.

Versatile Application: Available in various mounting configurations, tailored to your individual requirements.



OUR REFERENCES:



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