

## Reference Tool Trading



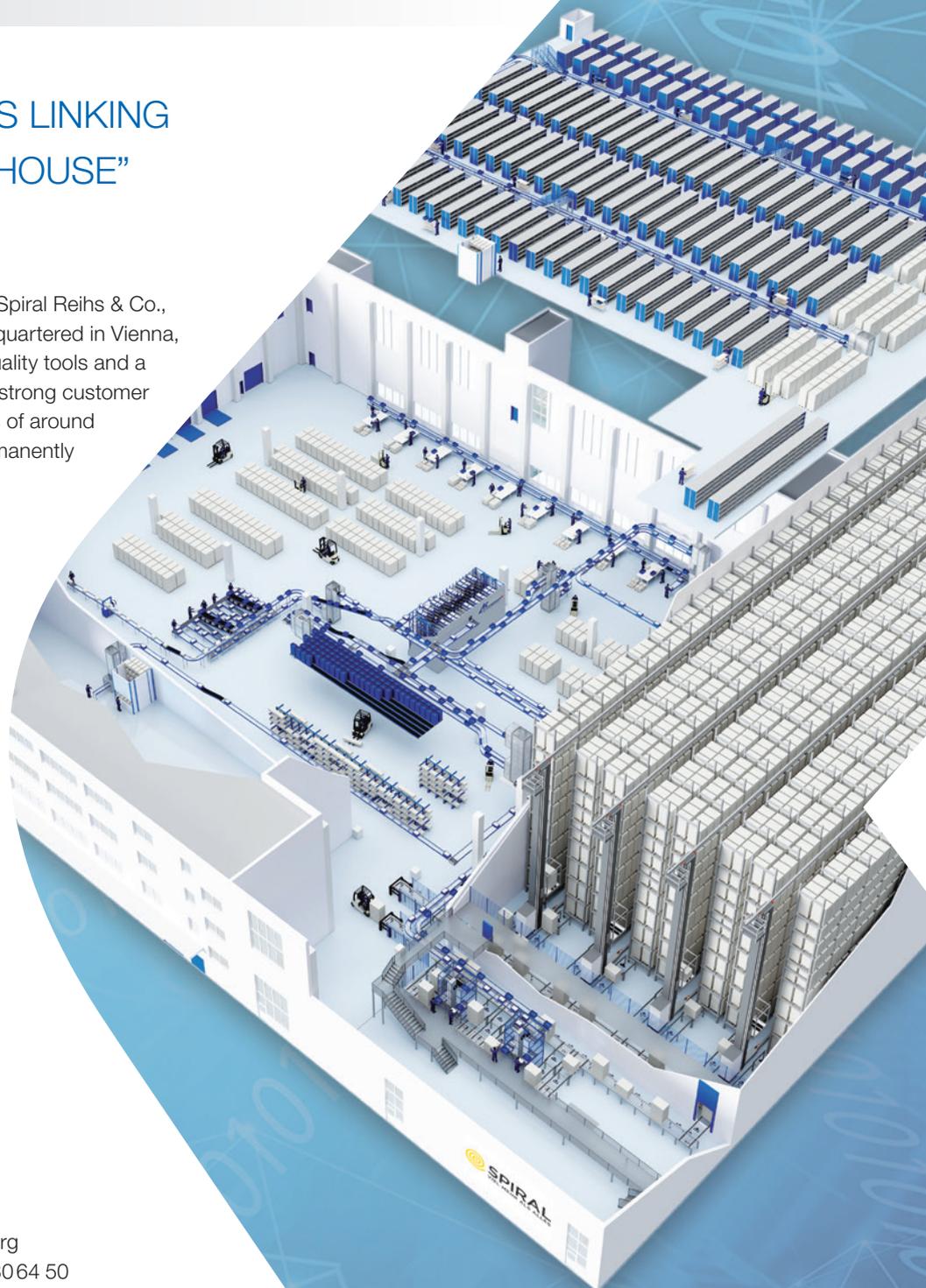
### INTELLIGENT PROCESS LINKING IN THE “SMART WAREHOUSE”

#### The Customer

Since the company's foundation in 1961, Spiral Reih & Co., an owner-managed family business headquartered in Vienna, has been focusing its activities on high-quality tools and a broad range of services combined with a strong customer orientation. The product portfolio consists of around 300,000 articles of which 40,000 are permanently available from stock.

#### The request

To be able to provide customers with tools even more rapidly and reliably, the company sought advice as to warehouse automation, process optimization and digital networking. Klinkhammer took on the planning activities that included logistics analysis, comparison of variants and profitability assessment and finally the preparation of the ready-to-use overall concept, the tender documents and the realization.



#### Klinkhammer Intralogistics GmbH

Wiesbadener Straße 13 · 90427 Nuremberg  
Phone +49 911 93064 0 · Fax +49 911 93064 50  
info@klinkhammer.com · www.klinkhammer.com

## The Solution

- Analysis, planning and realization of the logistics center by Klinkhammer
- Funding consultancy
- 4-aisle automatic high-bay warehouse in silo-type design, 9,184 pallet storage locations
- 800 totes buffer capacity in the automatic order consolidation buffer
- Drawer system for 4,340 drawers
- Shelf storage system for 14,880 totes
- Klinkhammer warehouse management system and material flow control KlinkWARE®
- Aerosol dispenser warehouse, lift warehouse, special warehouse and cantilever warehouse section
- Shipping zone with consolidation with 4 packing stations
- Pick-by-voice picking process and 4 picking stations
- 18 work stations in the goods-in, returns processing and packaging section



Empty container buffer with stack technology



4-aisle automatic high-bay warehouse



Suspended conveyor technology



Drawer system for 4,340 drawers



Automatic order consolidation buffer