

BRIGHT

A T W O R K

A safer and more efficient furniture warehouse, thanks to the TSP 6000

In terms of floor area, Möbel Brucker is one of Germany's largest furniture retailers. The family-owned business has expanded steadily over the past 50 years, and with a 400-strong workforce is now the largest employer in the Kall district of the Eifel, on Germany's western border.

In furniture warehouses, Corlette® shelf trolleys are ideal for transporting and storing large, awkward loads, such as sofas, wall units and even complete kitchens. And the Crown TSP 6000 turret order picker is the perfect truck for handling these trolleys. The specialised lift truck is capable of operating in 1.8-metre aisles and lifting trolleys weighing up to 1.5 tonnes to heights of over 10 metres – allowing warehouse operators to increase storage density and use all available space to the limit.

All furniture delivered to Möbel Brucker's main warehouse in the Eifel mountains comes ready-packed on shelf trolleys and is racked by TSP 6000 turret trucks: the high-bay warehouse has over

4,000 storage bays. The turret order picker is also used to pick orders for delivery or direct collection.

To handle the different furniture trolleys – the largest of them takes up as much space as three europallets – the TSP 6000 has a fork-positioning system which can swivel the fork carriage through 180°, meaning that loads can be picked up and set down on three sides: forward, left or right. This flexibility enables Möbel Brucker to shift more than 300 furniture trolleys every day.

Single-source efficiency

But Crown is more than just a lift-truck manufacturer: the company also produces the entire support apparatus, providing customers with in-depth security.



“Because everything comes from a single source, we know it all works together perfectly, plus we have a single point of contact for all our maintenance and servicing needs. Having said that, the TSP 6000 has already been in constant use for over 1,000 hours without a single service call”, asserts Mr. Kill, the man in charge of the Möbel Brucker high-bay warehouse.

The TSP 6000 is a “man-up” lift truck, which means that operator and load are lifted up and down on the same platform. This allows operators to work with extreme

precision at heights of up to 12 metres above the ground, minimising damage to pallets and shelves. But operators can only work productively at high elevations if they feel 100% safe and secure. Which is why Crown's centrally positioned, closed-section mast – unique in the lift-truck industry – provides unrivalled stability.

Crown's exclusive Load Path Stability (LPS) design means that the force exerted by the load is evenly distributed from the platform through the mast down to the frame and drive unit, and from the drive unit down to the ground. Powerful electric lifting and driving motors ensure that the truck accelerates gently and precisely, so the operator always feels safe and in control. Mr. Kill also remarks on the exceptionally safe, accurate wire guidance sys-

tem, which allows the operator to focus entirely on put-away and pick operations. To obviate yet another potential hazard, the truck is fitted with a pedestrian detection system.

Crown technology guarantees maximum uptime

"We were already delighted with the TSP's predecessor – but the TSP 6000 is even more ergonomic", adds Mr. Kill. Operators love the innovative seat design: the Crown-developed MoveControl™ seat rotates through 110°, so the operator can find the ideal position for each application. The truck controls are built into the upholstered armrests, so they always stay in the same convenient position relative to the operator – no leaning, twisting or contortion required.

For enhanced productivity, the truck is capable of performing multiple operations while loads are in transit – thus the platform and forks can be raised, lowered or swivelled while the truck is driving along. At the same time, the pallet is automatically centred in the middle of the aisle, minimising damage to racks or shelving and saving time that would otherwise be spent positioning loads.

Crown lift trucks are already famous for their tough, durable construction. To help them stay totally reliable, every truck in the TSP 6000 series is fitted as standard with the Access 1 2 3® control system developed by Crown. The system continually analyses operational data in order to maximise uptime. It also features straightforward diagnostics and programming, InfoPoint™ troubleshooting, and easy-access components – all tightly integrated into a highly reliable lift truck system.

Optimal all-round protection

Furniture trolleys help to protect furniture as they make their way from goods acceptance through to final dispatch. Even fragile goods can be moved quickly and safely through the warehouse, because they are stored, stacked, picked and delivered as complete consignments. For example, all the individual units for a complete kitchen can be stored safe from harm on a single furniture trolley. Unused furniture trolleys can be folded down for space-efficient storage.



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Because we operate a continuous improvement policy, we reserve the right to make technical modifications to our products without prior notice.

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