



INTERROLL
QUALITY AND SAFETY
YOU CAN RELY ON

WE TEST ON YOUR BEHALF

Interroll has its own test centre covering an area of 800 m². This high-tech centre, unique in this sector, allows it to conduct fatigue tests on both Interroll solutions and its competitors' products. Thanks to these tests, Interroll can guarantee the total performance and safety of its products*.



* A number of other machines not presented in this brochure are used to test the endurance of the entire range of Interroll dynamic flow storage solutions.

**Our priority:
your satisfaction**

In line with its strategy of continuous improvement, Interroll continues to develop its products and services in order to best meet the needs of its customers in the long term.

This commitment can be seen in the day-to-day operations in the Centre of Excellence at the La Roche-sur-Yon (France) production plant.



**Interroll product
certification**

Interroll can provide proof that all its products (Flex Flow, Pallet Flow, Pushback and Carton Flow) conform to all technical and safety regulations and comply with performance guarantees. An 800 m² test zone is entirely devoted to product certification, in which six test plants and a cold room operating at freezing conditions of -28 °C run around the clock.

Meeting the deadlines set for development projects is a crucial element of the company's competitiveness. Thanks to Interroll's in-house test facilities, its customers worldwide can take advantage of its incomparable ability to react. Customers can always rely on the company's proven quality and market-leading knowledge and expertise – this is why all Interroll products carry a quality mark.

**Certification of the Quality
Management System**

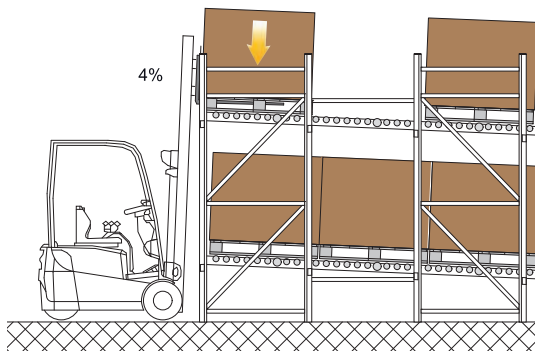


In July 2008, the Centre of Excellence in La Roche-sur-Yon was awarded ISO 9001: 2000 certification by the German TÜV Test Association.

This certificate proves that Interroll's quality management system meets the highest customer requirements.

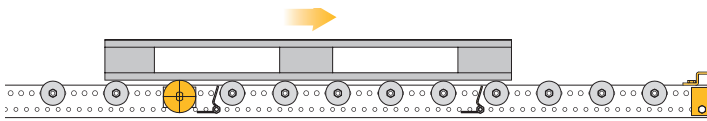
Interroll uses customer satisfaction surveys in all business sectors to achieve continuous improvements and is perfectly placed to advise and assist customers when faced with new challenges.

Load tests – Pallet Flow range



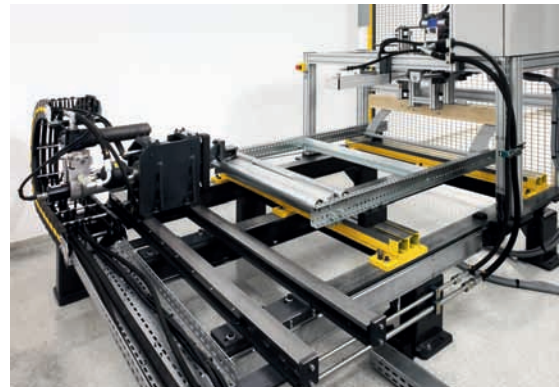
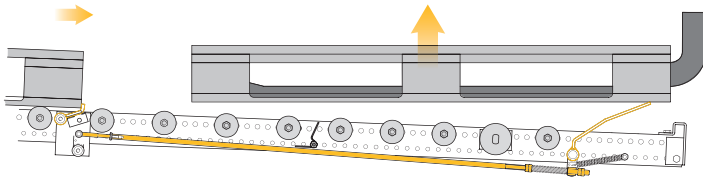
Load task

- Repeated loading of a pallet onto the rollers of the loading module
- Lateral movement of the pallet placed on the rollers to simulate loading operations
- Repeated cycles to limit figures to determine the service life of the loading module



Service life: Rollers, speed regulators and roller track end stops

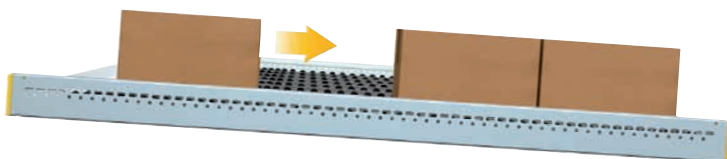
- Measurement of the speed of pallet throughput (test of speed regulators)
- Status control of conveyor rollers
- Status control of the speed regulators
- Repeated throughput to limit figures to determine the service life of the components



Durability: Pallet separators

- Static and dynamic pressure exerted by hydraulic cylinders on the separator stop
- Simulation of the impact forces exerted on the separator stop during contact with the pallet
- Repeated cycles to limit figures to determine the service life of the components

Load machines – Carton Flow range



Load capacity of the roller tracks

- Measurement under load of Carton Wheel Flow roller tracks
- The machine simulates the forces when cartons are loaded onto the rails
- Throughput test of containers on the roller tracks
- Repeated cycles to the limit figures to determine the service life of the rails

WE TEST IN ACCORDANCE WITH YOUR CONDITIONS



R&D support service

- Development of new solutions
- FEM calculations (Finite Element Method)
- Benchmark for competitors' solutions



Tests under real conditions

Storage areas for different temperature conditions

- Tests on Interroll products under real conditions of use in compliance with food regulations (from -28°C to $+5^{\circ}\text{C}$)
- Optional installation of test equipment under extreme conditions

Demonstration of performance in the presence of customers



Pallet throughput test

A 12-metre long roller track with a fully adjustable gradient is available for customers' pallet tests. Demonstration is possible in the presence of customers.

Specific tests in line with conditions specified by customers



Pallet- or container-specific

The test zone in La Roche-sur-Yon facilitates the development of specific solutions adapted to customer's own containers (metal containers, special pallets, non-reusable pallets etc.). The test roller conveyors are fitted with measuring equipment (throughput speed, central deviation).



51-metre roller conveyor

Tests under real conditions on a 51-metre long roller conveyor using the customer's own products. The throughput tests performed under real conditions convinced the customer's Project Managers.



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