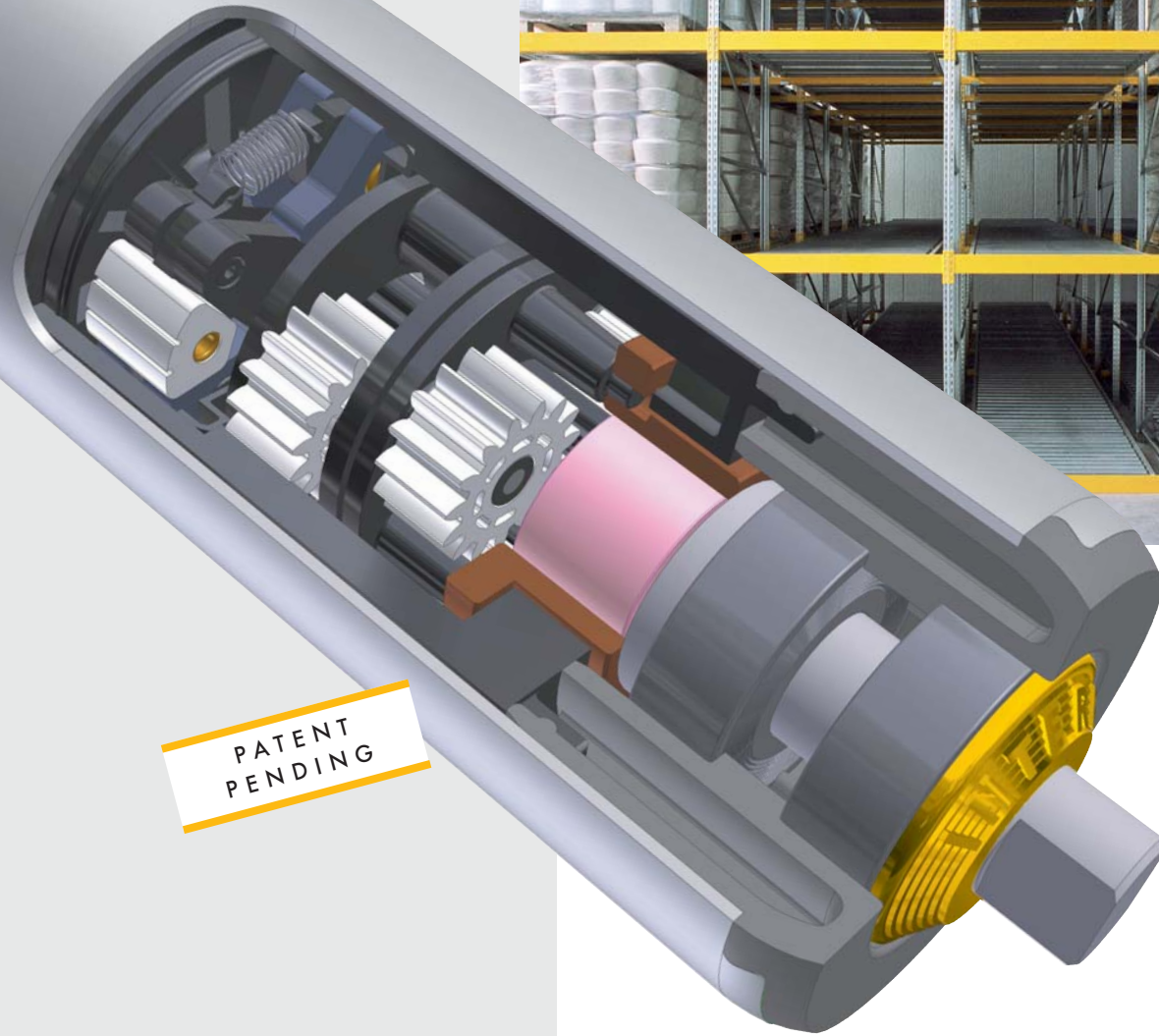


PRODUCT INFORMATION



PATENT  
PENDING

INJECTING MORE PACE  
INTO LIFO STORAGE.  
AS WELL AS SAFETY AND EFFICIENCY.

New speed controller for LIFO systems

WWW.INTERROLL.COM

INTERROLL  
CORPORATE  
ART



WE MAKE THE WORLD MOVE

## THE ART OF HIGH-SPEED OPERATIONS.

Interroll has unveiled the first speed controller developed specifically for push-back storage systems equipped with LIFO roller conveyors. This state-of-the-art component has been designed with

# LIGHT-FOOTED IN. FOOLPROOF

maximum reliability in mind, allowing the fastest possible storage and retrieval of items. The key to success: a speed controller that operates without resistance during the storage process and only transfers its brake force to the pallets to be unloaded.

## THE WAY IT WAS

In the past, push-back systems were only capable of accommodating a limited number of pallets. The reason was quite simple: the brake force exerted on the pallet train by conventional speed controllers was such that the forklift trucks used during the storage process were physically unable to push the pallets back in deeper lanes. What is more, the brake force generated by conventional speed controllers during the loading process produced friction – particularly in the case of excessive loading speeds –, thus adversely affecting the component's functionality over the long term without

operators necessarily identifying a potential problem. The result: shorter service lives and, in some cases, unrestricted pallet movement.

## THE NEW SYSTEM

The next-generation LIFO speed controllers developed by Interroll have been designed

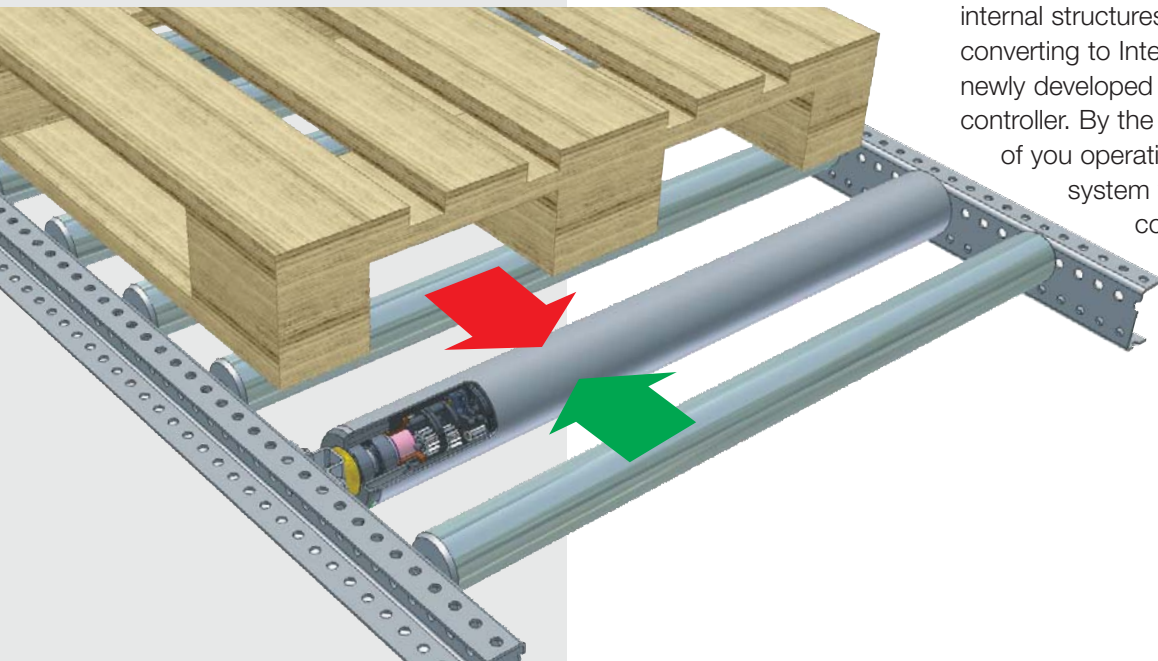
to apply their brake force only when pallets are retrieved from the rack, thus allowing faster loading of pallets and extending the overall service life of components. In other words, operators benefit from more efficient loading processes, while retaining the outstanding safety features of speed controllers during unloading. Anyone who has ever seen a full pallet falling from a rack will know how vital such state-of-the-art components can be when it comes to protecting personnel and products.

## LIFO WELCOMES FIFO

Of course, the details outlined above for LIFO systems also apply to FIFO storage solutions. FIFO systems are usually only equipped with single-direction speed controllers. However, operators using both FIFO and LIFO storage solutions can now streamline their internal structures by converting to Interroll's newly developed speed controller. By the way, those

of you operating a FIFO system without any speed controller whatsoever

should definitely think again. Even the sturdiest end stop will not be able to halt a pallet in "free fall" – and that's not a pretty sight.



## LIFO-FEATURES.

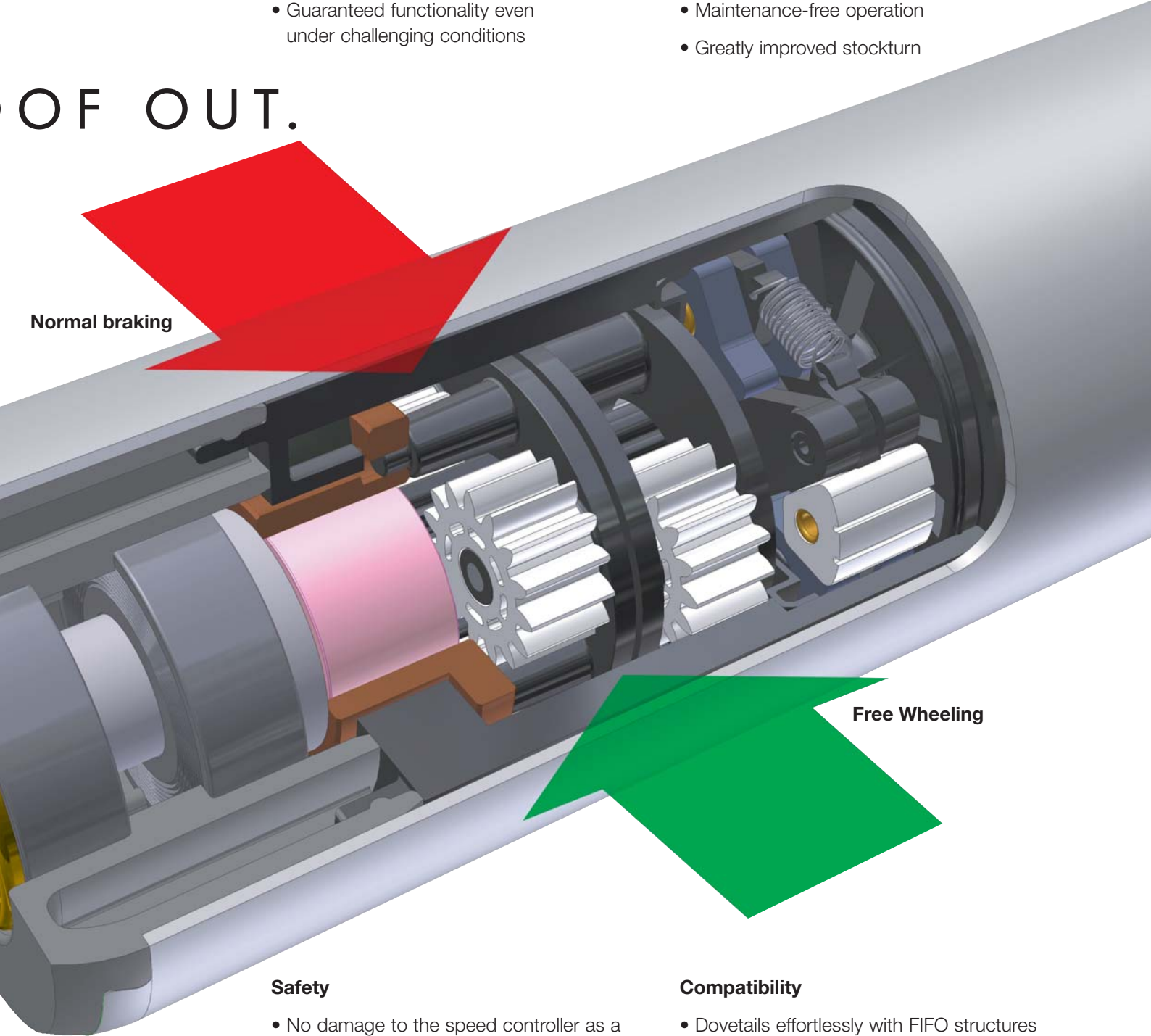
- No brake force during pallet loading
- Greatly improved storage speeds
- Guaranteed functionality even under challenging conditions

### Efficiency

- Significantly longer service life than with standard controllers
- Maintenance-free operation
- Greatly improved stockturn

# OF OUT.

Normal braking



Free Wheeling

### Safety

- No damage to the speed controller as a result of excess loading speeds or non-decelerated pallets

### Flexibility

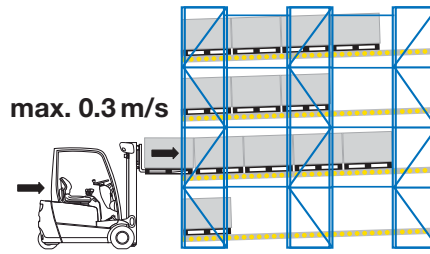
- Standard controllers can be easily replaced by LIFO speed controllers in existing storage systems

### Compatibility

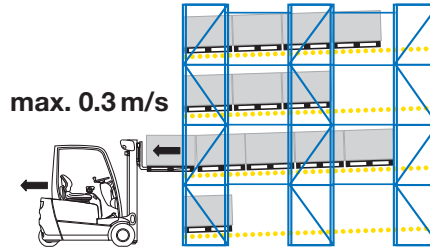
- Dovetails effortlessly with FIFO structures
- Fast and simple replacement of standard controllers

## FROM PAST ...

Slow loading process of up to max. 0.3 m/s in order to avoid damage to controllers.



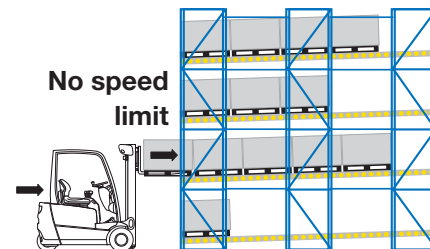
Slow unloading process of up to max. 0.3 m/s because forklift has to retain the train of pallets.



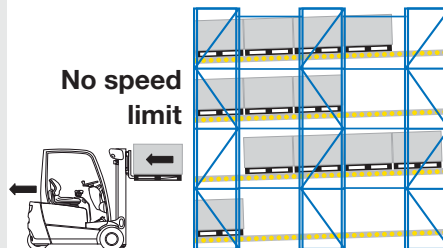
# CHANGE IS IN THE AIR. NEXT-GENERATION SPEED CONTROLLERS.

## ... TO PRESENT

No restriction to loading speed thanks to new free-wheeling LIFO speed controller.



Faster unloading, as pallet train no longer has to be retained by forklift.



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