

Upright-mounted pull-out units



Upright-mounted (UM) units are hung directly from the pallet racking uprights, rather than being supported by a cross-beam. The lower frame of the unit is bolted to the uprights and the upper carriage slides out, carrying the load with it.

Features

- ✓ No support beams needed
- ✓ Up to 100% extension when pulled out
- ✓ Unit locks when pushed back into the rack
- ✓ Two-way extension is also possible (70%)
- ✓ Handles, back-stops and other accessories available
- ✓ Use as 'open frames' for pallets, or with steel shelves for
- ✓ The perfect solution when space-saving is most important
- ✓ Maximum loading capacities from 200kg to 1000kg per unit handling cartons, bins or loose items

Why Upright-mounted?

These units make the maximum possible use of vertical space, both by doing away with the beams and by fitting the rails and runners to the side of the pull-out unit, instead of underneath it. Based on a 950mm wide racking system, they offer a wide range of different storage possibilities in a small space, so they are favoured where really compact and flexible storage is needed.

That usually means a **production environment**, for example near to work station where there is **high turnover of** a number of different parts and components. In an exacting process operation such as automotive assembly, speed is of the essence and you don't want to waste time walking around fetching components. What's more, there isn't room in the production hall for space-wasting storage racks, let alone half-full pallets littered all over the floor.

Upright-mounted units are perfectly suited for **Lean Production** and Supply Chain solutions, where materials are picked and constantly refilled, usually from the rear in order to separate truck traffic from personnel. FIFO system components such as carton flow racks and pallet tilt profiles are available with this range.

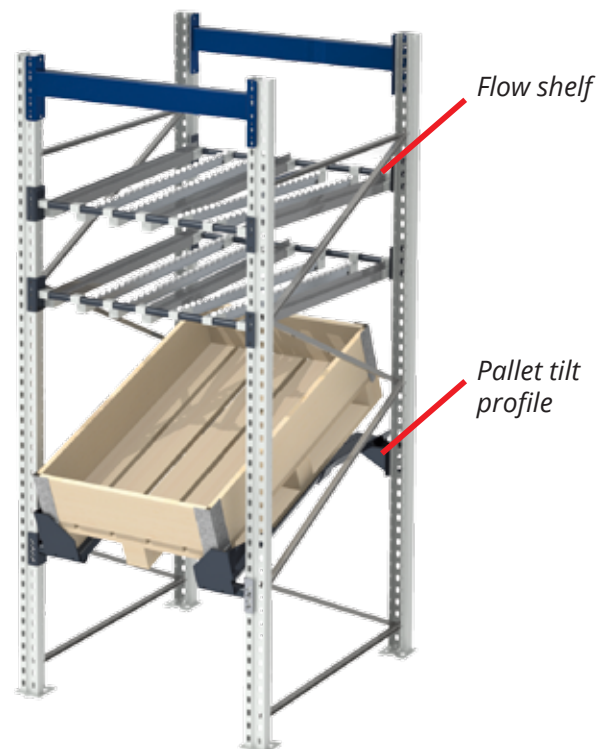
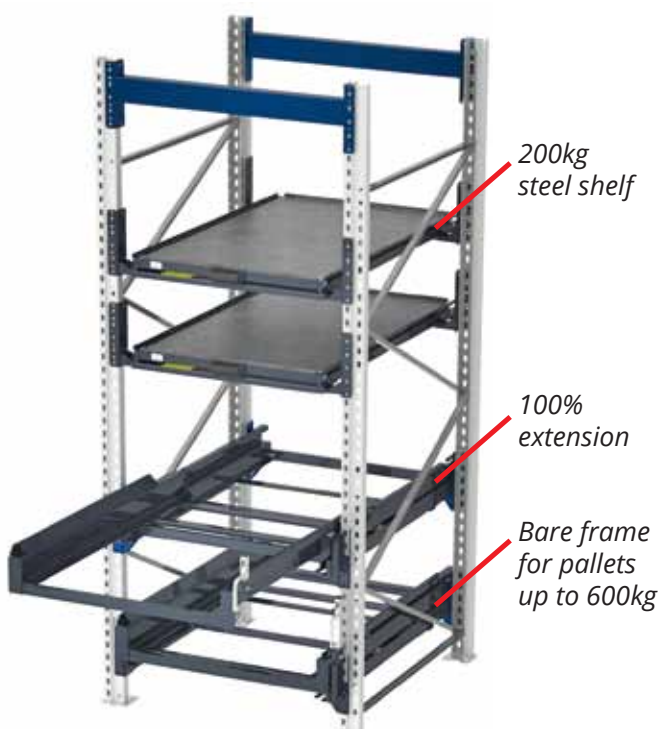


Our Range of Upright-mounted Units

Smart Storing's Upright-mounted units are special in several ways. They're fitted simply by hooking 4 connector brackets onto the rack uprights and bolting the unit to these. We can supply connectors to suit most types of racking, meaning that you are not tied to one supplier or one proprietary system, as is the case with some other designs.

Like with our other pull-out units, our Upright-mounted units are supported by a rigid lower frame. The cheap way of making an upright mounted unit is to have two separate rails supporting the sliding carriage, one on each side. Guess what happens when the racking gets a knock or goes slightly out of square? The unit doesn't slide any more, of course! You won't have this problem with Smart Storing units as our rails are integral to the square bottom frame. That means that our units are not affected by racks which are not perfectly straight, and will continue to function even if a rack is slightly out of alignment.

A safety latch is automatically engaged when the unit is in the rack. This prevents the unit from being unintentionally pushed out from the other side of the racks. (This feature is especially important when using rear loaded units). The latch is released from the side handle.



Pull-out units

Just like BM and FM units, UM pull-out units can be supplied 'bare frame' for storing pallets or with steel shelves for storing cartons, containers and individual items. Choose between 100% and 70% extendability or two-way extension for access from both sides. Load capacities from 200kg to 600kg per unit.

Tip: An extra possibility with UM units is to fit them with our specialised **flow shelves** and **pallet tilt profiles** for use with Lean Production materials handling systems.

Flow-shelves

For plastic bins or cardboard boxes. High quality rollers ensure long life and smooth operation. Specify number of rollers and dividers to suit your handling systems.

Pallet tilt profiles

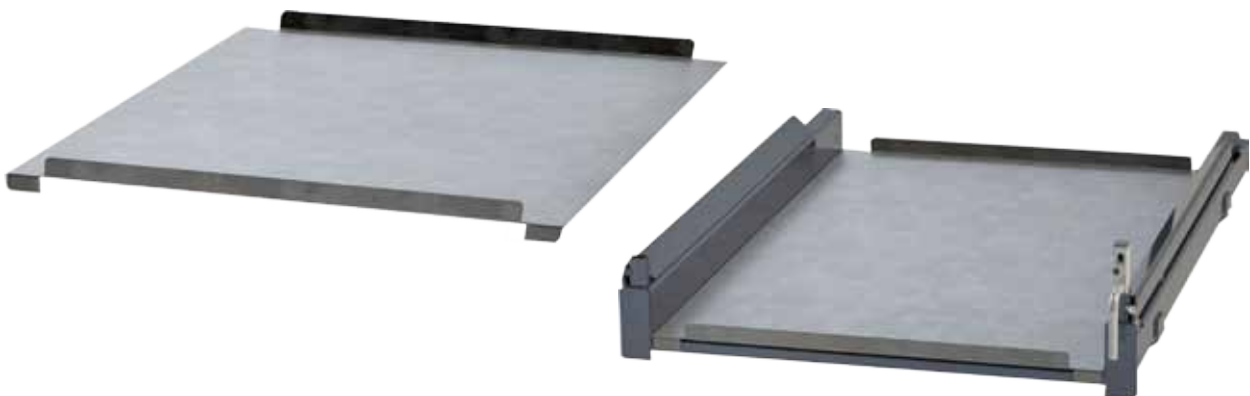
for access to components in a pallet. The pallet is loaded by a fork lift or stapler truck, normally from the rear. When the forks are lowered, the pallet slowly tilts forward giving access to the goods. When the pallet is empty, the operator pushes the pallet back and it will sit horizontally, ready to be picked up and replaced with a full pallet.



UM units for pallets must be fitted with side handles, which makes it easy to pull them out without bending or straining, especially when units are fitted in the mid to low range of picking heights. The length of the handle is chosen according to how much headroom you have below the next unit, while for good ergonomics it should be as long as possible when the unit is placed near to floor level.

Tip: If you need to load UM units with heavy items using an overhead crane, choose 100% extendable units. These are also ideal when you have small items at the back of a unit.

Accessories



Steel shelf panels

These galvanised steel panels cover the tops of 'bare frame' pull-out units so they can be used with cartons or plastic bins. Available with or without raised edges.

Available in both standard thickness and heavy duty. The latter is used when the shelf is subjected to point loads i.e. with individual heavy items. Ideal for tools and dies, moulds and heavy automotive components for example.

Tip: Fitted with galvanised steel shelves, the UM units can carry containers, bins, loose storage or pallet collars with dividers.