



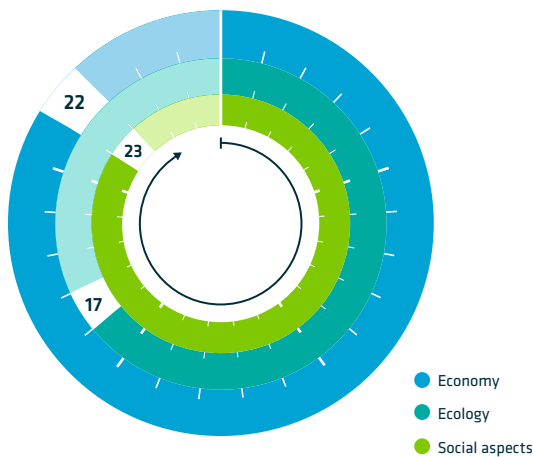
Products and technologies with the BEUMER label "made different" are characterised by enhanced sustainability. It is based on their economic, ecological and social performance evaluated by the BEUMER Sustainability Index (BSI).

BEUMER PARCEL PICKER® – THE GREEN UNLOADING ASSISTANT FOR MAIL AND PARCEL LOGISTICS

PRODUCT GROUP

› Logistic systems › BEUMER Parcel Picker®

61
Level:
Excellent



INNOVATIVE UNLOADING TECHNOLOGY WITH EXCELLENT SUSTAINABILITY

With a sustainability index of 61 (excellent), the BEUMER Parcel Picker® proves to be not only innovative, but also sets a new milestone in terms of sustainability. The social index of 23 is based on considerations made when developing the Parcel Picker® to minimise the required physical demands for the employee during operation.

Whether used for swap bodies or roller containers, the BEUMER Parcel Picker® is a fast and ergonomic solution for unloading packages, parcels and shipping units of different weights and sizes.

MULTIPLE ECONOMIC BENEFITS

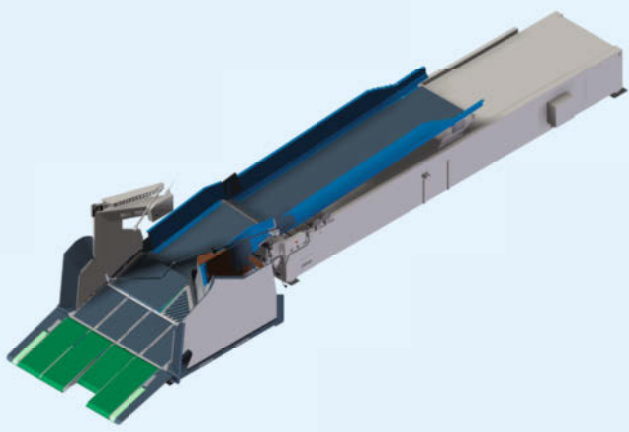
The BEUMER Parcel Picker® allows for a faster and more efficient way of unloading, while maintaining consistently high throughput. Compared to manual unloading, throughput levels can be more than doubled. During implementation, there is no need to change the building structure or invest into the construction of additional gates. The handling charges per item are reduced. The physical relief for the operator and the functionalities for accident prevention lead to fewer employee absences and less downtime costs. The gentle handling of packages leads to less damage to products and fewer customer complaints. BEUMER's global customer support offering includes remote maintenance and ensures the highest level of system availability.

ENVIRONMENTALLY FRIENDLY

The energy-efficient drive control of the BEUMER Parcel Picker® contributes to its environmental sustainability: all of its drives are frequency-controlled which, if the workload is low, automatically reduces the conveying speed and, therefore, its energy consumption. Reduced speed also means less noise emissions. Emissions are further reduced by using conveyors with a sandwich base. Nearly all of the materials used can be recycled. Simple, compact shipping units require only very low packing and transport costs.

A REAL SOCIAL MILESTONE

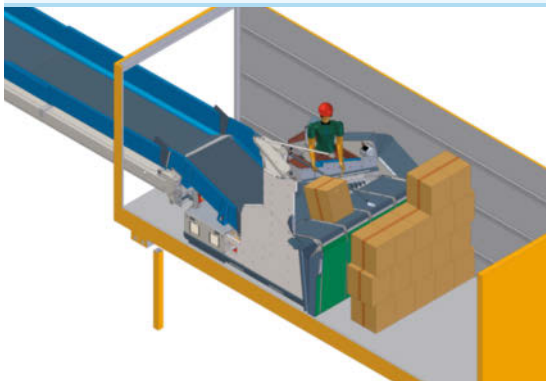
The BEUMER Parcel Picker® relieves the physical burden of its operators, as no more heavy lifting or carrying the packages over long distances is required. Particular attention was paid to minimise the required physical demands for the employee during operation, as well as to adhere to the latest aspects of occupational safety and health. It can be optimally adjusted to the height of the operator due to a device for height adjustment, and automatic assistance systems help the operator during operation. The operator station has been specifically designed to ensure an adequate safety distance between the packages and the operator and to keep the escape route free of packages.



UNLOAD PACKAGES EFFICIENTLY AND GENTLY WITH THE BEUMER PARCEL PICKER®

HARD FACTS BEUMER PARCEL PICKER®

- › unloading time reduced by 50 % compared to conventional methods
- › less physical strain compared to manual unloading, proven through scientific methods
- › quick coupling system for coupling the unloading unit with the telescopic belt conveyor
- › gentle handling of packages and safe material flow
- › safe work environment due to protected operator station, with barrier-free escape route
- › simple troubleshooting due to easy accessibility
- › robust, low-maintenance technology



QUICK UNLOADING OF SWAP BODIES AND ROLLER CONTAINERS

The semiautomatic BEUMER Parcel Picker® simplifies and accelerates the unloading of swap bodies and roller containers. In order to unload swap bodies, the telescopic belt conveyor moves the unloading unit, which is coupled to the face side, towards the opening of the container from where the operator moves it into the right direction. Once the front part of the BEUMER Parcel Picker® has moved into the container, the control switches into automatic operation and aligns the system so that the vertical pick-up conveyors are in front of the first packages. The packages are picked up on multiple levels, which ensures the particularly gentle handling of the items.

The packages are pulled on the conveying system with an ergonomically designed, manually operated package manipulator. The side walls on the telescopic belt conveyor prevent the packages and parcels from falling off the belt conveyor. In case of roller containers, an additional module is used. The packages are unloaded in bulk and transferred by the telescopic belt conveyor with integrated side walls to the subsequent conveying technology.

ERGONOMIC AND SAFE

The latest scientifically proven methods were applied for the development of the BEUMER Parcel Picker®, in order to achieve optimum workplace ergonomics and occupational safety, as well as an optimised operating process. The layout of all necessary control and display elements is clear, and they are easy to reach. The direction of movement is controlled with a joystick from the operator station, while the actual movement is triggered with a foot-operated button. The package manipulator is particularly light and suspended from its centre of gravity to make it neutral in weight. It can be adjusted to the height of the operator using a motor.

Numerous automatic assistance systems support the operator during operation, such as automatic accumulation recognition and clearance, as well as automatic item wall recognition when approaching unloading zones. When driving backwards, a camera turns on automatically, making sure that the system operator can always see all activity on his display, even when travelling in reverse.