



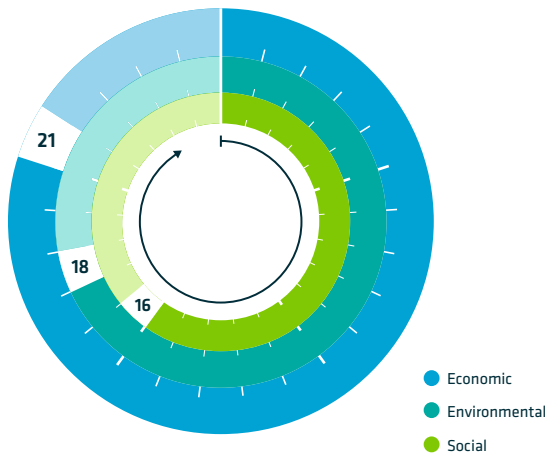
BEUMER OptiDrive® – POWERFUL DRIVE WITH HIGH ENERGY SAVING AND LOW MAINTENANCE COSTS

Products and technologies carrying BEUMER's "made different" seal are characterised by their sustainability, based on their economic, environmental, and social performance as measured by the BEUMER Sustainability Index (BSI).

PRODUCT GROUP

- > Sorting & distribution > Loop sorters > Drives
- > BEUMER OptiDrive®

55
Level:
Very good



YOUR DRIVE WITH FULL SUSTAINABILITY

The BEUMER OptiDrive® features a high sustainability index of 55 (Very good). You also profit from the economic index of 21 which is based on several factors, such as significantly reduced investment and operating costs thanks to low energy consumption and maintenance.

The new BEUMER OptiDrive® drive system keeps your sorting system running energy-efficiently and reliably. You profit not only from the high availability of your system, but from reduced investment and operating costs, low maintenance and lower noise emission. The BEUMER OptiDrive® can be used for nearly all of our loop sorters and can be retrofitted in existing BEUMER systems if necessary.

EFFICIENCY FOR COST REDUCTION

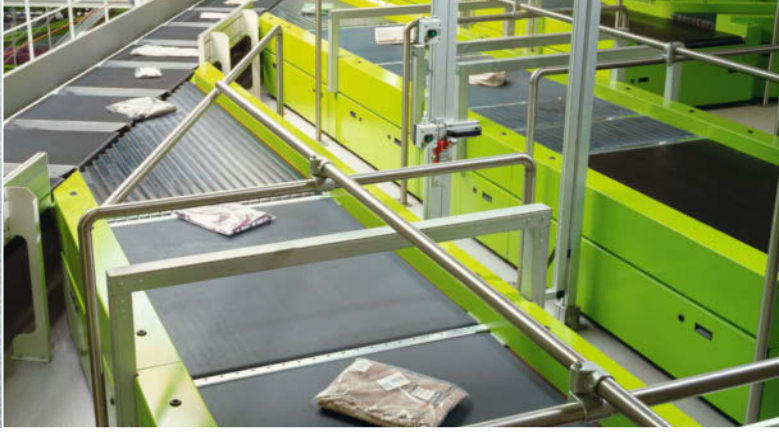
Economic advantages for you – with new sorting systems and existing systems: Our BEUMER OptiDrive® saves up to 80 % energy compared with conventional sorting drives with asynchronous linear motors. That permanently cuts energy costs in operation. And thanks to the higher efficiency of the BEUMER OptiDrive®, fewer drives are required per system so you also save investment and installation costs.

GREEN DRIVE FOR THE ENVIRONMENT

Lower energy consumption saves fossil resources. Our BEUMER OptiDrive® plays an active role in protecting the environment thanks to up to 80% lower energy consumption. It can also be retrofitted for use in the 250 or more existing BEUMER sorting systems. Moreover, far smaller amounts of valuable metals need to be used in motors and supply cables of the BEUMER OptiDrive® thanks to the higher efficiency. This also saves resources.

HIGHER OPERATING RELIABILITY AND BETTER WORKING CONDITIONS

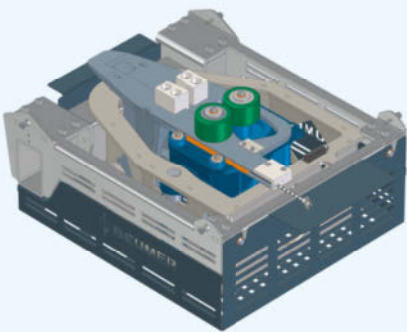
The BEUMER OptiDrive® also takes social issues such as safety at work and the working environment into account. The double-acting drive stops the sorter very quickly in case of an emergency stop and thus reduces the risk of accidents at work. Your employees are exposed to less noise since the drive system does not require a fan. Ease of assembly, maintenance and repair enable simple handling.



POWER SAVING SORTING WITH THE BEUMER OptiDrive®

AT A GLANCE: BEUMER OptiDrive®

- › 80% less energy consumption compared with conventional sorter drives
- › Savings of investment, installation and operating costs
- › Quiet operation with less than 68 dB
- › Efficient direct drive with double-acting, proportional friction pressure
- › Online diagnostics and remote maintenance capability
- › Retrofittable in existing BEUMER sorting systems



INNOVATIVE DIRECT DRIVE

The BEUMER OptiDrive® is an innovative, low-noise direct servo drive based on the friction wheel principle. The contact force of the friction wheel automatically adjusts itself in proportion to the drive force required so that the friction wheel always operates at its optimum working point. That optimises the efficiency in the partial load range and minimises wear.

The proportional friction pressure system, for which a patent is pending, acts in two directions. As a result the BEUMER OptiDrive® can drive or brake the sorting system with the same force.

SIMPLE, RELIABLE OPERATION

Convenient automatic system: The BEUMER OptiDrive® automatically aligns itself with the carrier.

The quality of our new drive is also evident in the improved friction strip geometry, which enables an optimum transition from one carrier to the next, as well as in the automatic alignment and wear compensation. Functions for online fault diagnosis and remote maintenance also ensure reliable operation. In this way, possible faults can be detected and cleared at any hour of the day or night.

If a fault cannot be fixed immediately, the drive can be decoupled from the sorter in a few simple steps, thereby reducing system downtimes to a minimum.