

The coexistent stacking system. **StackStar C.**



Coexistent stacking system. More than just a robot.

Robotized stacking systems are attracting increasing attention in the market and are gaining more and more acceptance in the printing industry. The advantages of the StackStar® C at a glance:



Light marking

The light marks the safety zone around the robot.



Symmetrical design

The packages can be fed in from both sides.



Uninterrupted quality control

Samples can be removed during production without stopping the stacking system.

Addressing the staff shortage. The StackStar C is the technological answer to the shortage of skilled workers in postpress. This automatic stacking system relieves the operator physically, which increases employee satisfaction and health. Cutting-edge robot technology creates a more attractive workplace at the folding machine, which makes recruiting easier. In addition, staffing requirements are reduced, as several folding machines can now be operated by just one operator.

The **coexistent stacking system** with intelligent safety features allows humans and robots to work together without a safety fence. The safety zone is clearly identified by light markings on the floor.

Rotatable system.

Thanks to the **symmetrical design** of the stacking system StackStar C, it can be rotated by 180 degrees to suit your production flow. Therefore the pallet positions will be either on the inside or the outside. The infeed and outfeed ends of the

feed line can be folded in to simplify machine repositioning within the production environment.

For small and medium-sized businesses with medium run lengths.

The StackStar C is designed for small and medium run lengths. This makes it the ideal addition to the Stahlfolder® TH/KH folding machines.

Efficient work thanks Push to Stop.

The StackStar C supports the Push to Stop philosophy. The system provides two pallet positions for uninterrupted work. In conjunction with the folding machine's **autonomous signature change**, up to four different signatures can be stacked on separate areas.

Find more information here:

➔ heidelberg.com/en/stackstar-c

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Gripper

The fork gripper from HEIDELBERG is fitted with **non-marking forks** and two pads that reliably hold the packages in place. When the packages are set down, the sheets underneath are prevented from slipping.

7

Coexistent robot arm

The stacking system features a low-maintenance, coexistent articulated-arm robot and can be operated safely **without a safety fence**.

5

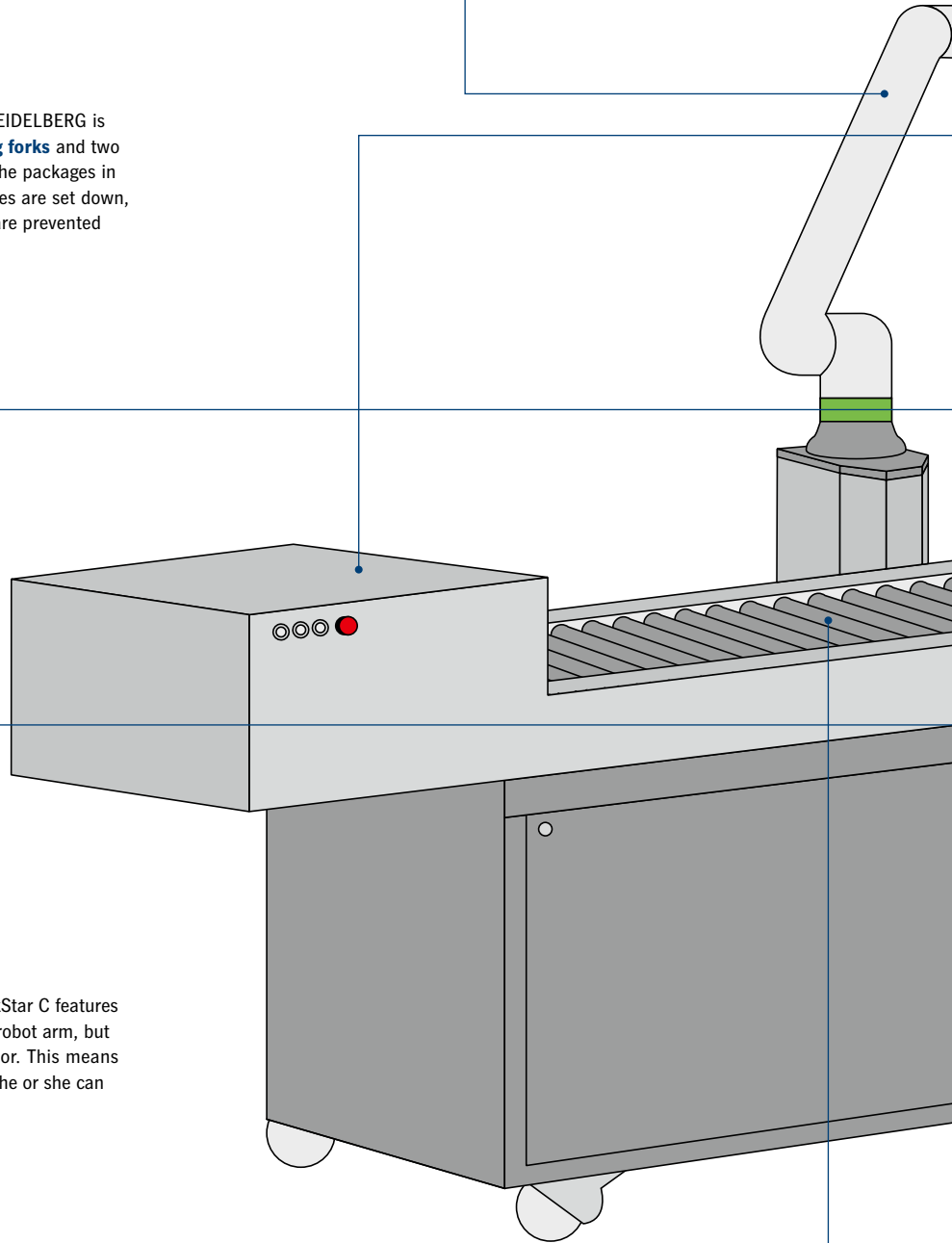
Safety system

The safety concept of the StackStar C features not only **touch sensors** in the robot arm, but also **light markings** on the floor. This means that the operator knows where he or she can move safely at all times.

4

Delivery line

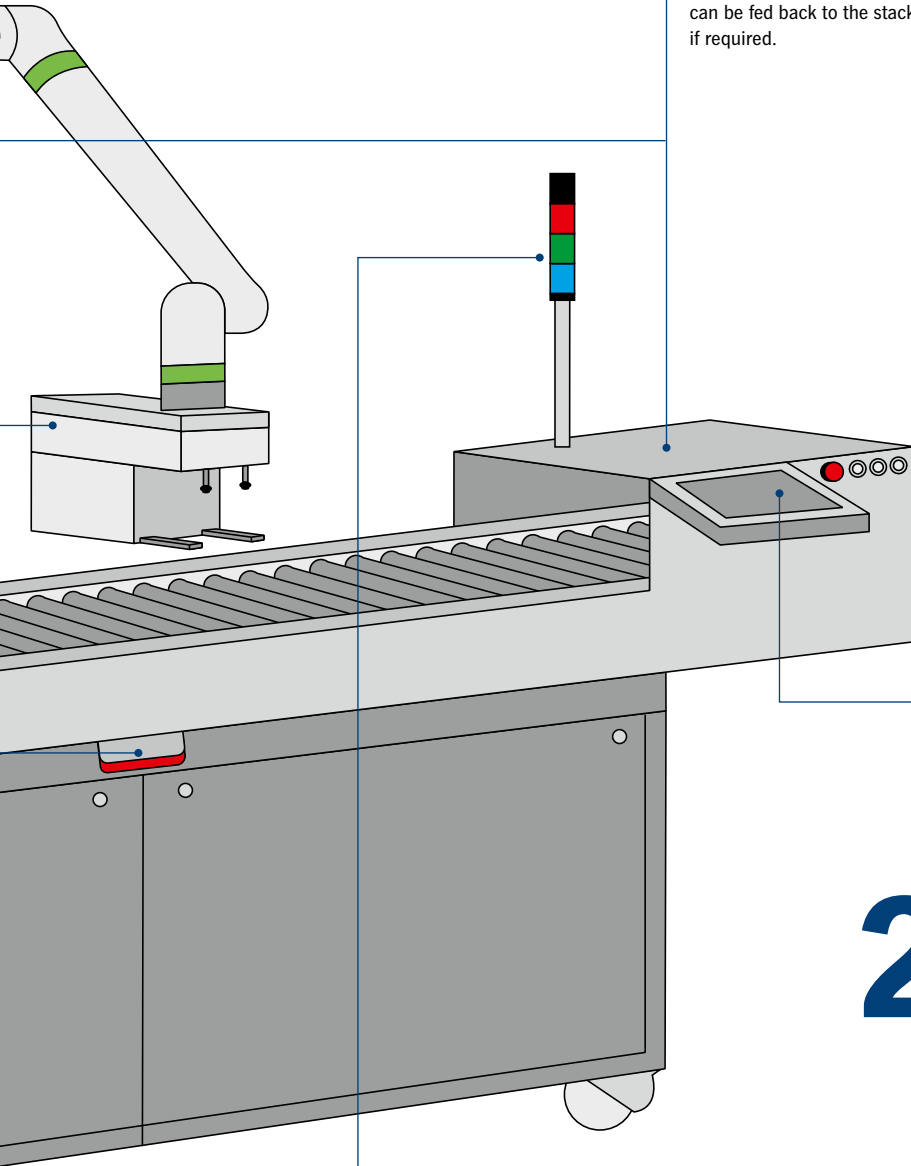
The symmetrical design of the delivery line allows the packages to be **picked up from the centre**. Its infeed and outfeed ends can be folded in sideways, which ensures easier transport.



1

Jogger tables

The jogger tables serve as **support surfaces** as well as **quality control** points. Sample packages can be removed on the opposite side of the delivery for quality control without interrupting production. The package can be fed back to the stacking system if required.



2

Operator panel

The Graphic User Interface (GUI) of the operator panel features an **user interface from HEIDELBERG®**. This means new operators can get started with the system quickly.

3

Status display with acoustic signal

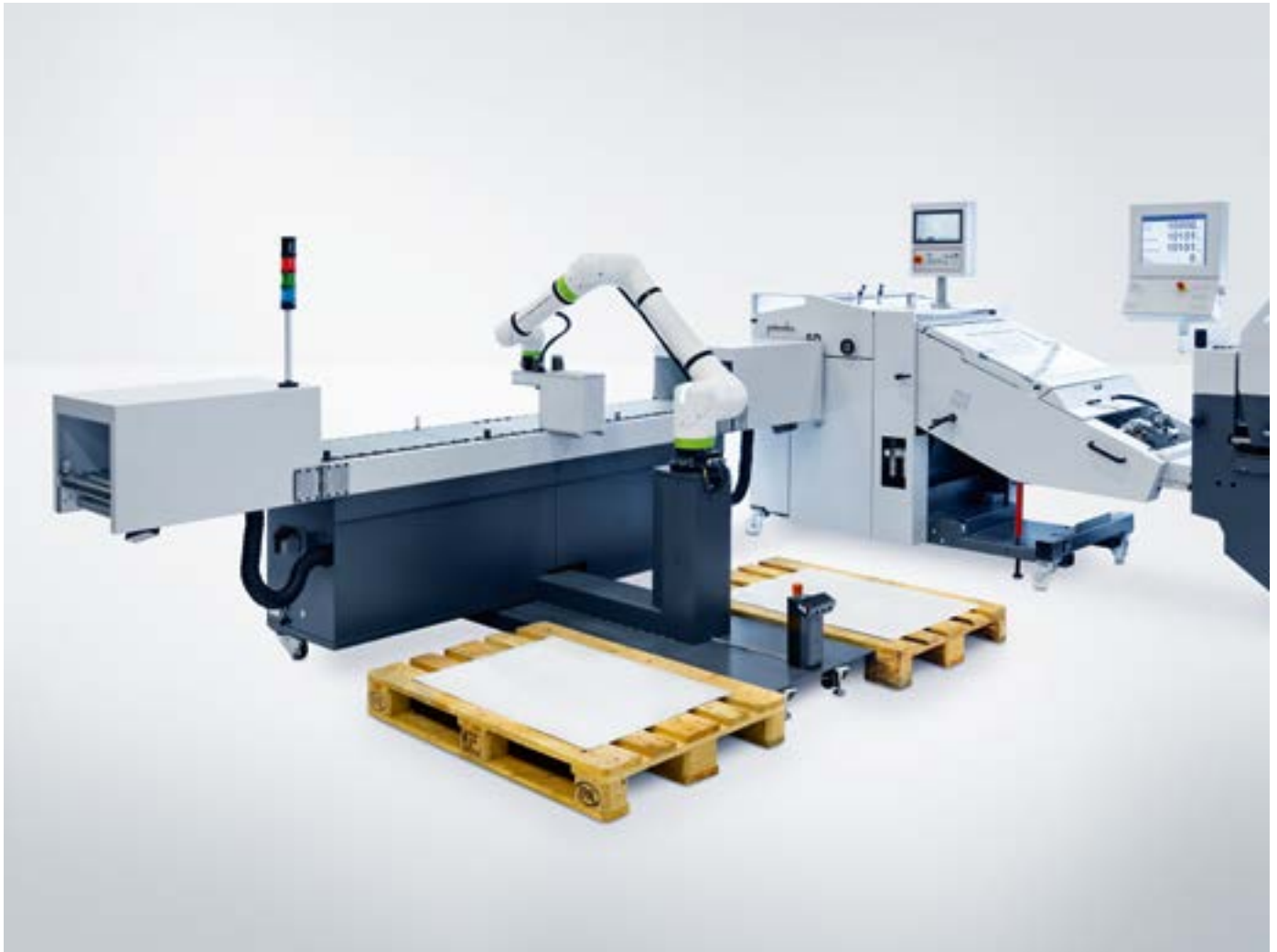
The signal light allows the operator to **monitor** the **status** of the stacking system from a distance. This is ideal when one operator is in charge of multiple machines.



StackStar C.

This diagram shows a typical overall view of the operator side of the coexistent stacking system. Find out more at:

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Coexistent stacking system complements the Stahlfolder portfolio in the area of postpress automation.

The industrial robot StackStar P was the first robot from HEIDELBERG to meet customer demand for an increase in overall system efficiency. With features such as re-jogging and turning packages, as well as automatic insertion of intermediate layers, it was able to fulfil the high demands placed on stacking quality. The coexistent stacking system StackStar C focuses on greater flexibility, uninterrupted stacking and more freedom.

Greater flexibility. The coexistent stacking system is highly flexible in terms of location. Thanks to its autonomous concept, it can be used with a range of different finishing machines. In conjunction with a Stahlfolder folding machine, you can even benefit from integrated interface communications.

Uninterrupted stacking. Two pallet positions and an efficient stacking process enable uninterrupted work. This enables you to plan productivity.

More freedom. An intelligent safety concept allows reliable operation without a safety fence. The operator can clearly see the safe working area around the robot thanks to the safety zone marking.

Find out more about our postpress automation portfolio:

➔ heidelberg.com/en/postpress-automation

More than just a robot:
StackStar C

- High flexibility thanks to self-sufficient concept
- Continuous production process
- No safety fence required
- Performance-oriented acquisition costs

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