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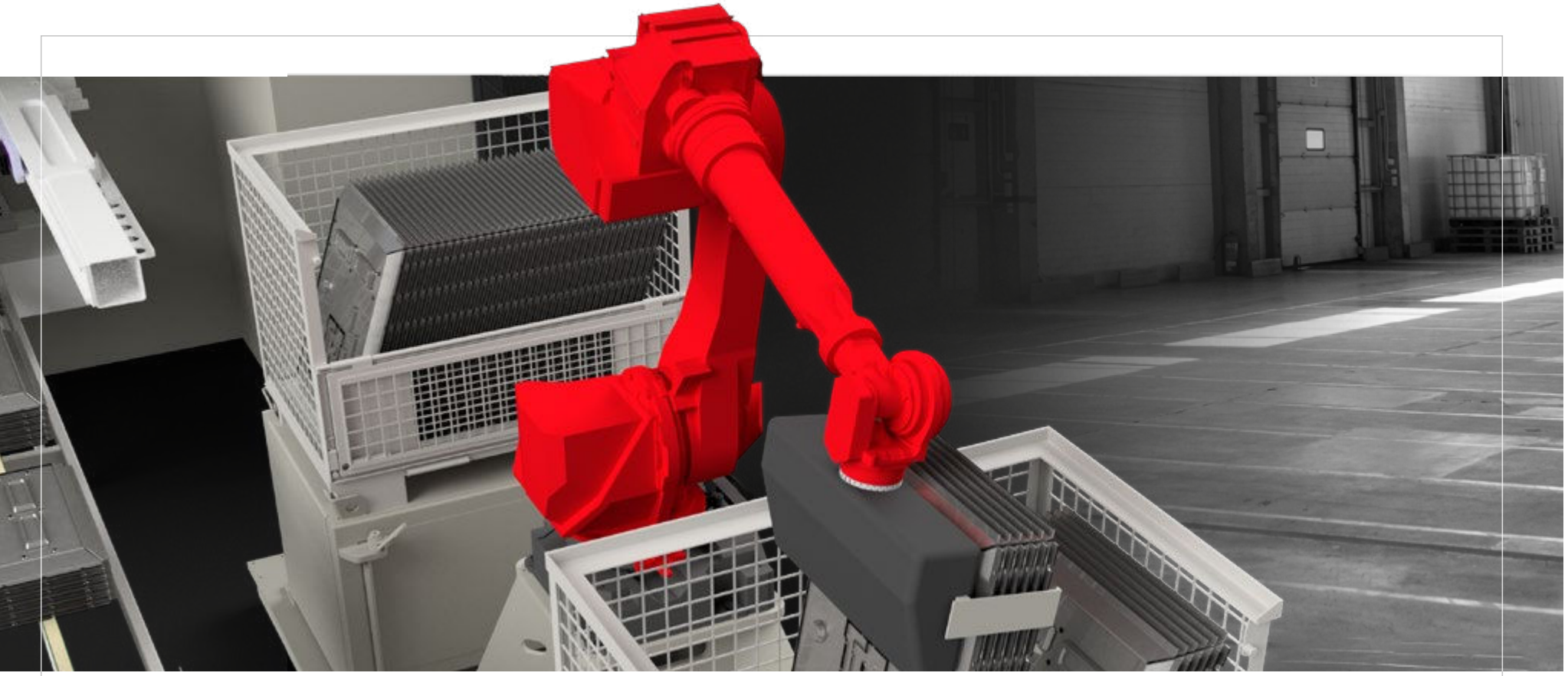
Anlagenbau & Fördertechnik GmbH



Rotte **AutoStack**Press

End-of-line automation for stacking stamped and formed parts

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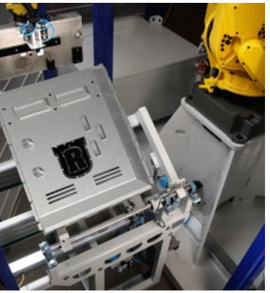


Rotte **AutoStack** Press

From A-pillars and household appliance components to gears; from simple to highly complex geometries — the variety of pressed and stamped parts is virtually limitless.

For high-volume series production, the use of robot-controlled systems ensures reduced cycle times and significant cost savings.

With decades of industry expertise, we focus on the downstream press process, which has traditionally been labor-intensive and ergonomically challenging.

With our Rotte **AutoStack PRESS portfolio,** we ensure that your process of removing and packaging stamped and formed parts from the press is fully automated in the future.

Simple stack

1 Conveyor system transports stacks from the press to the packaging station

2 Two container positions enable cycle-time-neutral container exchange and ensure continuous production

AutoStack PRESS.Base

The **AutoStack PRESS.Base** process line handles pre-stacked components directly from the press. This requires a stable and automation-ready stack formation within the press.

The stacks are then transported via conveyor technology to the packaging robot.

The packaging robot picks up the stack from a defined position and places it into one of the provided mesh boxes or other load carriers.

PRODUCT **EXAMPLE**

Robot	Fanuc M710
Stack patterns	simple, all parts identically oriented
Output	approx. 30 parts/min (depending on stack size)
Load carrier	mesh box
Footprint	approx. 4 x 3 m

AutoStack PRESS.Pro

Compared to the AutoStack PRESS.Base, the **AutoStack PRESS. Pro** process line handles individual parts.

Stack formation is carried out by industrial robots, enabling greater flexibility. Complex geometries can be stacked, while nested stacking patterns allow for higher packing densities.

The press continuously feeds parts onto the system's conveyor. These parts are then transported to two parallel stacking robots.

A vision system detects the position of the components and transmits this data to the robots.

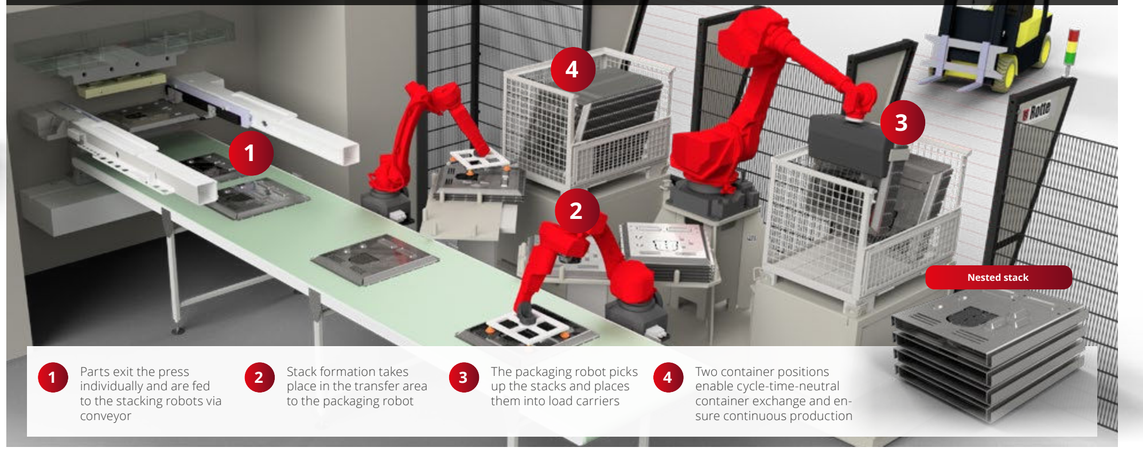
Stacks are then formed in the transfer area before being handed over to the packaging robot.

HIGH**LIGHTS**

- Modular design enables high flexibility and customization
- Handling of multiple product variants
- Short changeover times thanks to automatic gripper changes
- Automatic insertion of interlayers

PRODUCT **EXAMPLE**

Robots	2 Fanuc M10 and 1 Fanuc M710
Stack patterns	customized, nested, rotated
Output	approx. 30 parts/min (depending on stack size)
Load carrier	mesh box
Footprint	approx. 4 x 4 m



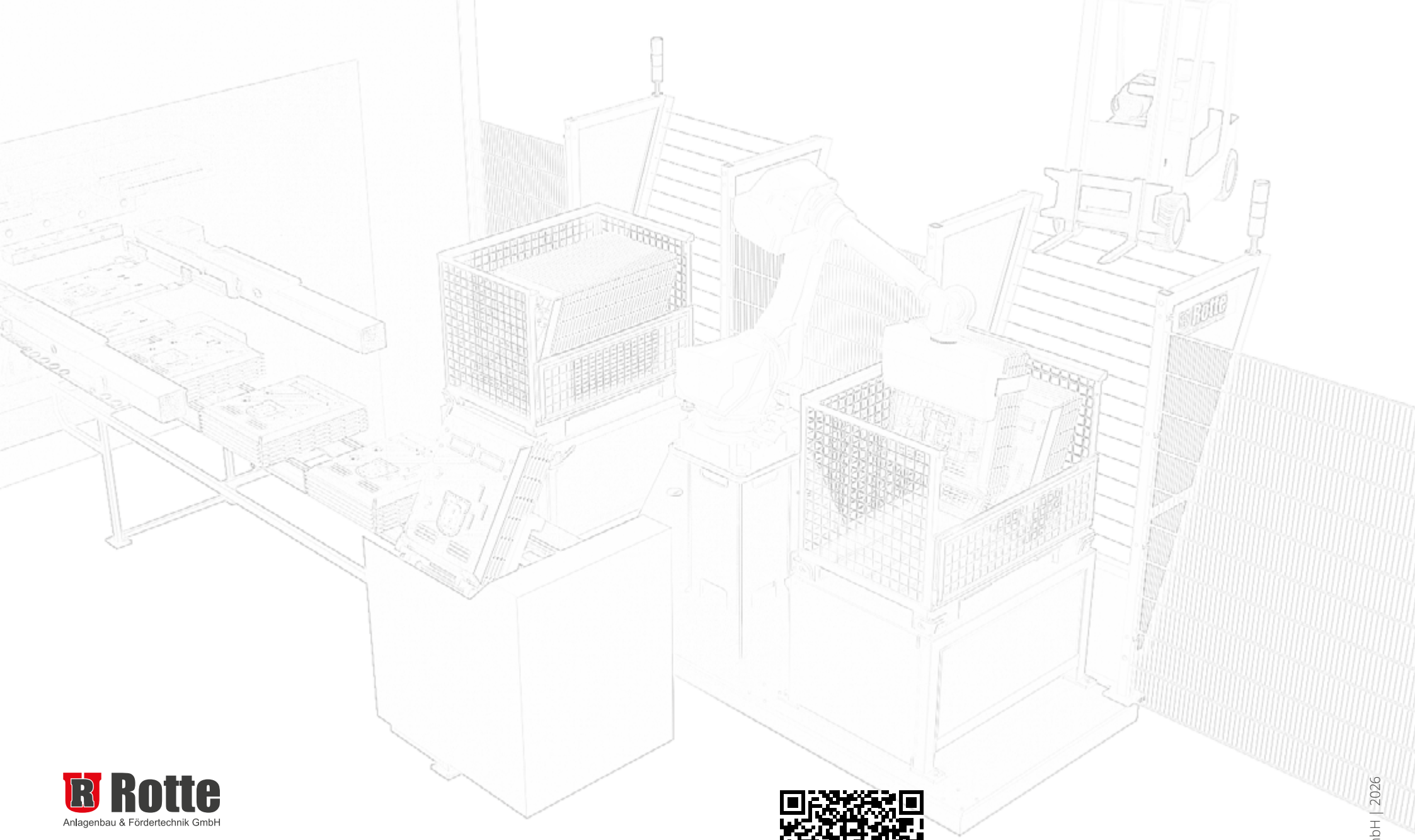
Nested stack

1 Parts exit the press individually and are fed to the stacking robots via conveyor

2 Stack formation takes place in the transfer area to the packaging robot

3 The packaging robot picks up the stacks and places them into load carriers

4 Two container positions enable cycle-time-neutral container exchange and ensure continuous production



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