

## Project description

### Application

Automated palletizing behind two perfect binder lines

### Product Mix

Perfect bound magazines in A4-format

### Post Press Configuration

From two perfect binders the stacks are transported to a unique palletizing solution consisting of a palletizing cell in double-robot configuration.

The palletizing cell equipped with two robotic arms palletizes up to 2000 stacks/h. Thanks to „Smooth Approach Technology“ the palletizing is both quick and precise resulting in perfect and stable pallets. At the beginning of each new layer a sensor in the gripper determines the exact height of the pallet. Then the loose stacks are palletized at highest speeds in the subsequent palletizing process.

The palletizing cell is equipped with an automatic empty pallet dispenser holding up to 15 pallets. These empty pallets are distributed to the palletizing stations of the two robots. Each robot is equipped with an automatic slip sheet feeder. The ejection of full pallets to a pick-up station is also automated.

### Responsible Project Center

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POST PRESS

MAIL ROOM

BOOKBINDERY

## Project Schaffrath, Germany



**RIMA SYSTEM**

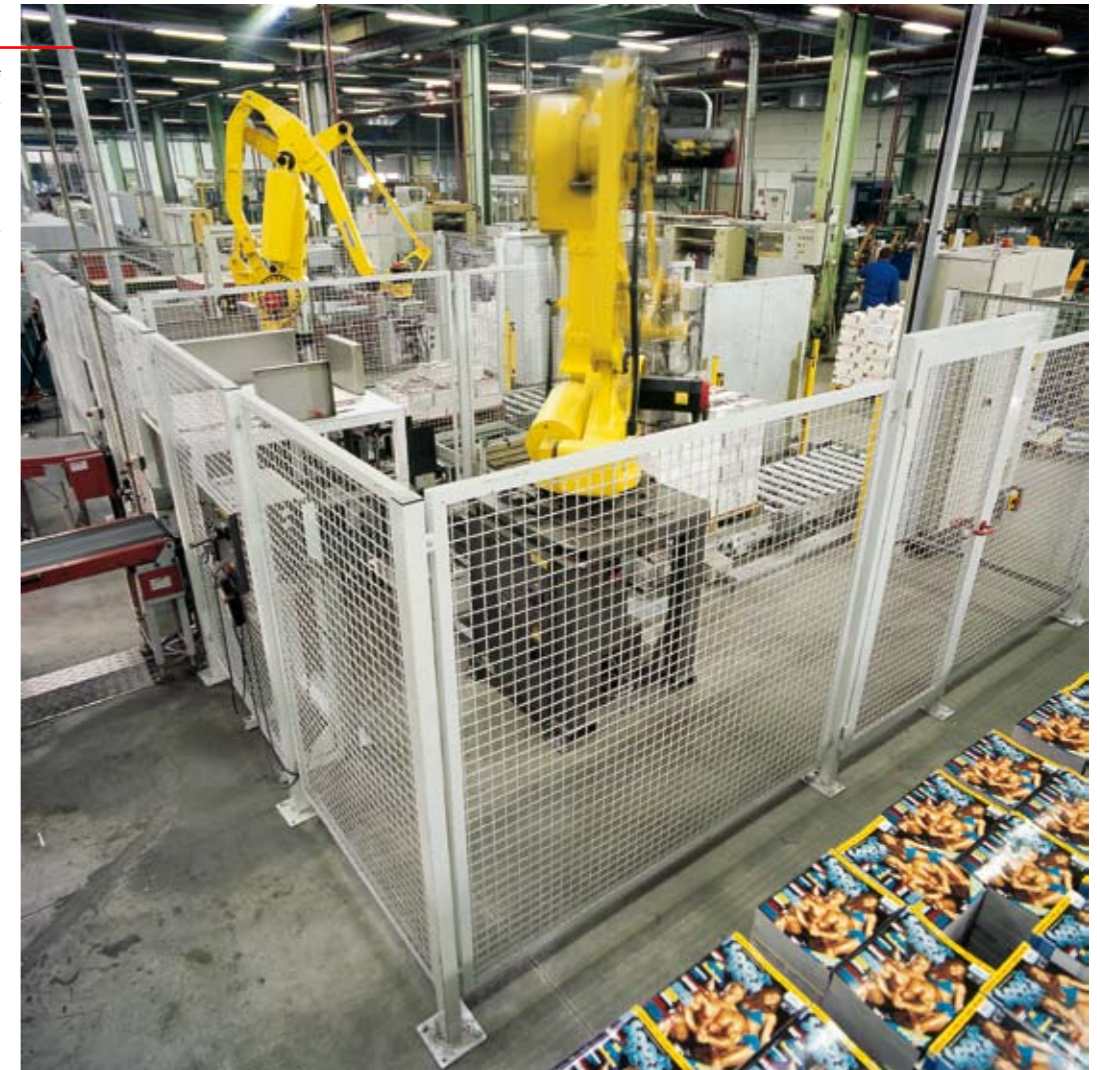


A second RS 400 palletizing robot has been added to the existing robot cell. Now the complete palletizing process behind the two perfect binder lines is fully automated with a double-robot solution.



The stacks are transported by two stack conveyors from the perfect binder lines to the pick-up stations of the palletizing cell. Two RS 400 robot arms equipped with double grippers pick up the loose stacks and place them smoothly on the automatically delivered pallets. The palletizing cell processes up to 2000 stacks/h.

The robots are operated via „PALETTI“ enabling the operator to monitor and handle all relevant functions directly. This includes manual or automatic generation of package processing with the integrated pallet editor and online monitoring of the palletizing process. The robots then continue processing according to the stored information resulting in perfect and stable pallets.



The palletizing cell is equipped with one pallet dispenser for both robots. The dispenser contains up to 15 empty pallets and delivers them to the two palletizing places. Each robot arm is equipped with automatic slip sheet feeder attached to the robot's gripper. The full pallets are removed from the palletizing cell automatically and picked up with ease.

