

## RobotPacker 50 — Machine principles



CSI's latest packing machine is the answer to the logistic problems confronting today's manufacturers day in and day out. The RobotPacker is extremely flexible. It can adjust its speed and handling operations to new requirements without missing a beat. The RobotPacker 50 incorporates CSI's latest innovations: easy-to-adjust bottle racks, a side-mounted X/Z coordinate system, push-in/pull-out change parts and a packing station collator. CSI's RobotPacker 50 works smoother, smarter and faster...



IMPROVING PERFORMANCE

**Today's consumers are demanding ever increasing product variety, resulting in smaller production runs. Changes to machine settings therefore have to take place as smoothly as possible. CSI's RobotPacker 50 offers unequalled continuity of adjustment. It combines the proven reliability of a tried and tested machine concept with the ultimate precision of a modern, robotized packing machine.**

The entire packing movement is robotized and carried out via the X and Z axis, which are independently controlled, resulting in a smooth packing movement. The primary packed product is fed in a single stream and collected in the desired configuration by CSI's Packing Station Collator which presents it in turn on two collector tables ready for the RobotPacker 50. The product formations are then positioned so that the grabhead can pick them up reliably. The packing movement now starts. The grabhead picks up the prepared product layer and places it as a single layer or

one of several layers in a folding box or tray. The head then returns quickly to the other collector table in order to start the packing cycle again. Meanwhile, during the packing operation the next product configuration is being prepared on the other collector table.

The machine is made up of a compactly-built gantry containing the entire packing function. Supply is in a single stream and it is fed to CSI's Packing Station Collator in combination with two collector tables. The standard scope of supply also includes an empty box feed system, a box positioning track and a removal track for filled boxes. All machine parts that come into direct contact with the products and the cardboard are made from stainless steel or plastic. The robotized machine concept is also extremely efficient and designed according to the highest ergonomic standards. The state-of-the-art Operator Machine Interface is integrated in the machine.



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# Robotized packing machine



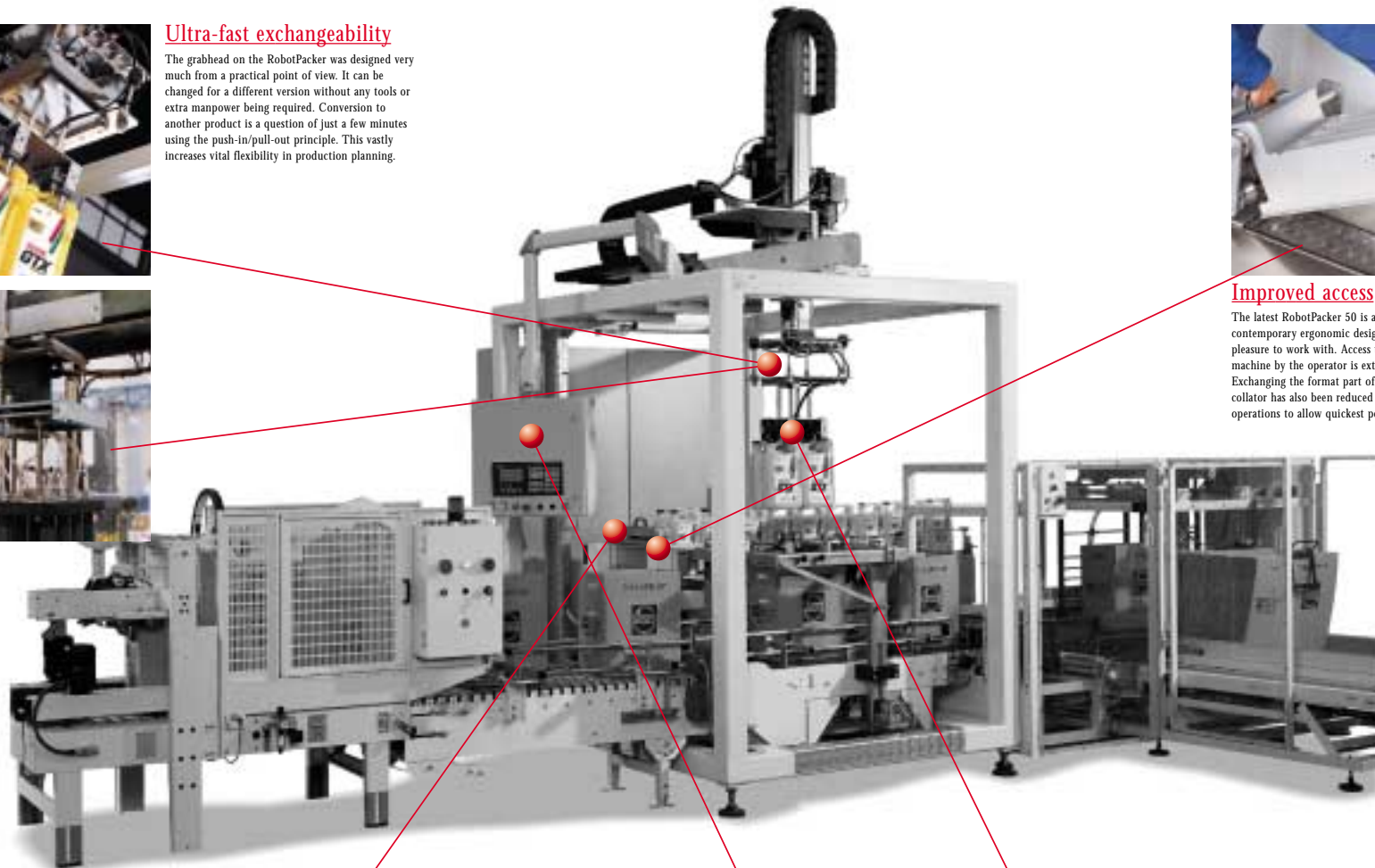
## Ultra-fast exchangeability

The grabhead on the RobotPacker was designed very much from a practical point of view. It can be changed for a different version without any tools or extra manpower being required. Conversion to another product is a question of just a few minutes using the push-in/pull-out principle. This vastly increases vital flexibility in production planning.



## Improved access

The latest RobotPacker 50 is a classic example of contemporary ergonomic design, making it a pleasure to work with. Access to all parts of the machine by the operator is extremely easy. Exchanging the format part of the packing station collator has also been reduced to the simplest of operations to allow quickest possible changeover.



## Continuous product-friendly feed

Two modern stainless steel take-up stations, one on each side of the supply line, mark the end of the product feed system and the start of the packing operation. The products are fed in a steady stream along a single track to the packing station collator, which continuously collects the products in a configuration ready for packing, leaving them at one of the two stations ready to be packed in single or multiple layers. Rough movements that could damage products are avoided and noise levels are low.



## Operator-friendly machine interface

The entire machine is made in accordance with the applicable CE standards and is easy to operate. The operator can select a pre-set production program simply by pushing a button.



## All-purpose vacuum grab

It goes without saying that the RobotPacker can be supplied with a vacuum application in addition to a mechanical grabhead. This allows pick up of a variety of products with a near flat surface. This application is particularly useful when packing several layers in a cardboard box.