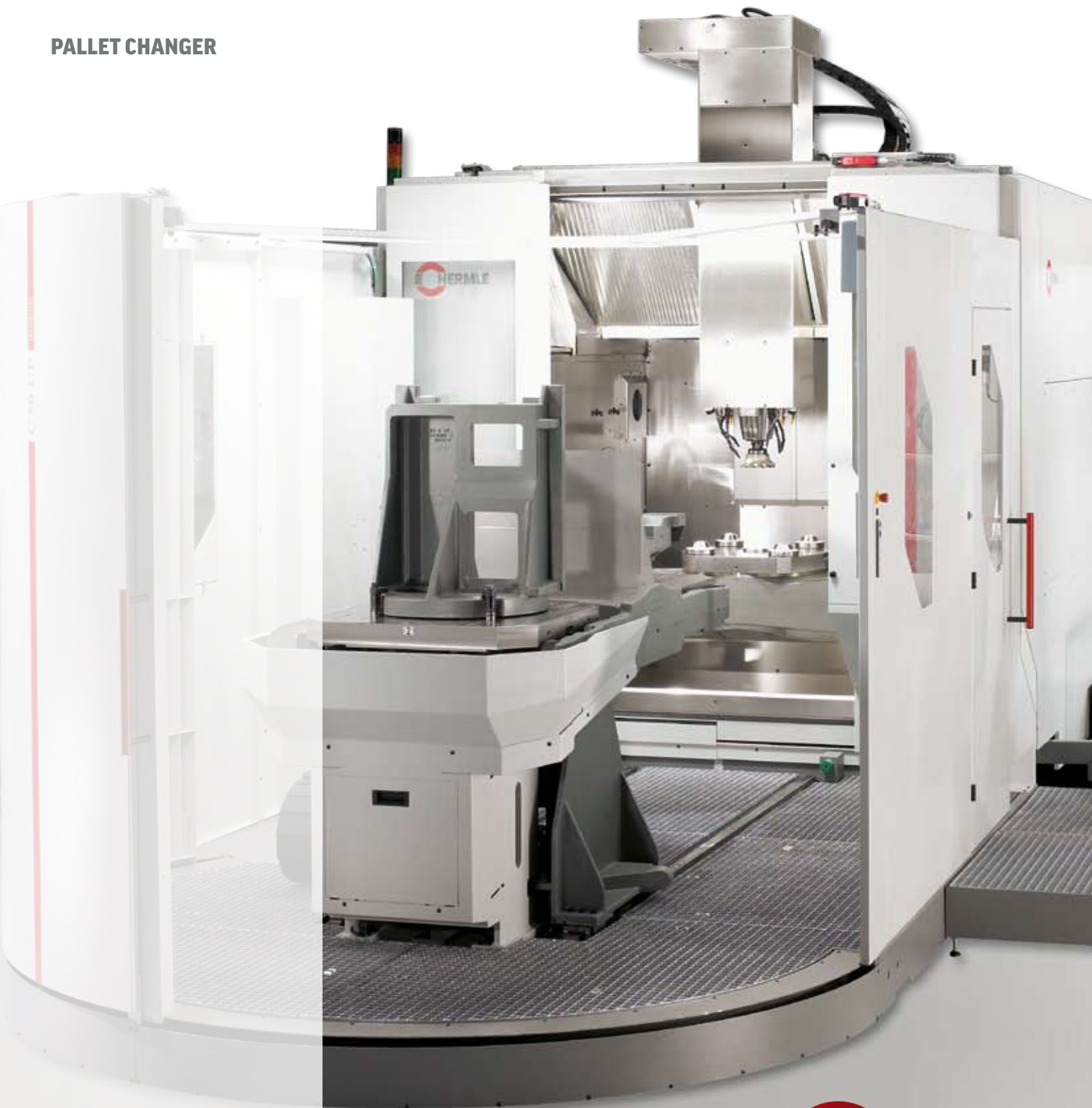
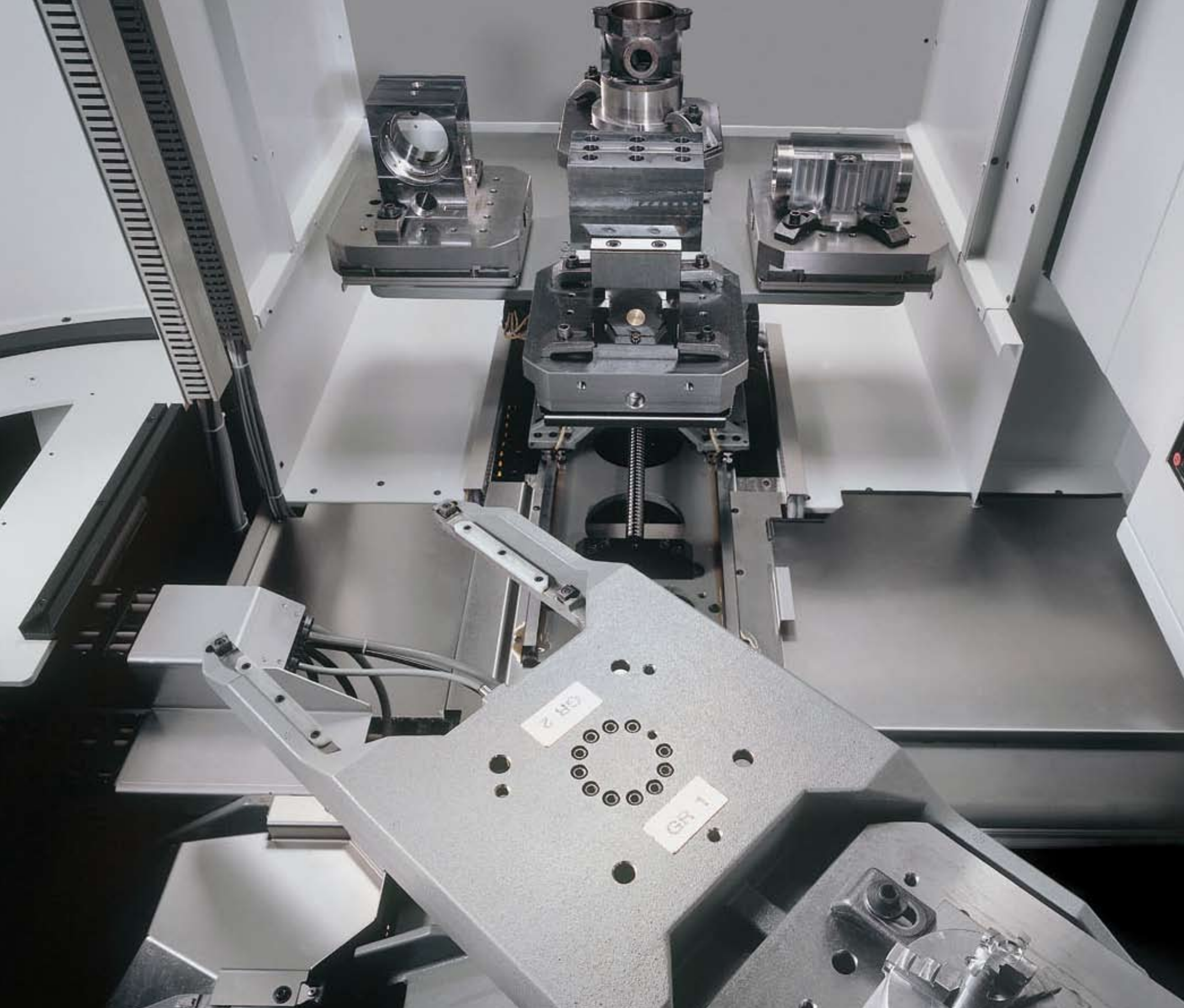


Automation in Perfection

PALLET CHANGER





Hermle – Leader in Matters of Automation and Turnkey Solutions

1. EXPERIENCE

The original is always there first.

For over 10 years, Hermle has focused on automation and machining centres. From its start with economical pallet changers and handling systems to state-of-the-art robotic solutions. We stand for continuous optimisation in all areas of milling. We built one of the first NC-controlled milling machines. Our highly dynamic 5-axis machining centres with built-in NC swivelling rotary table started a trend. We made the transition to a process supplier quickly and systematically. And: We are planning much more.

Hermle – the original.

2. CUSTOM-ENGINEERED SOLUTIONS

No two customers are alike.

Numerous production systems are already operating successfully at our customers: Each one custom-engineered, each one an original, each built without making any compromises. With everything we make, we perfect milling a little bit more: better, more precise, more dynamic, available faster. This makes us an important partner in almost all key branches of industry.

3. EVERYTHING FROM A SINGLE SOURCE

Hermle – for every situation.

Innovative technologies and custom-engineered automation solutions make us a partner for every situation. Turnkey is not a new word for us. We provide overall system competence – from the machine through automation components and storage means to interfacing and control technology. And even when it comes to service, we are your competent and reliable partner. Hermle – everything from a single source, everything from the original.

Pallet changer

PALLET CHANGER: FROM A FLEXIBLE PRODUCTION CELL TO A COMPLETE PRODUCTION SYSTEM.

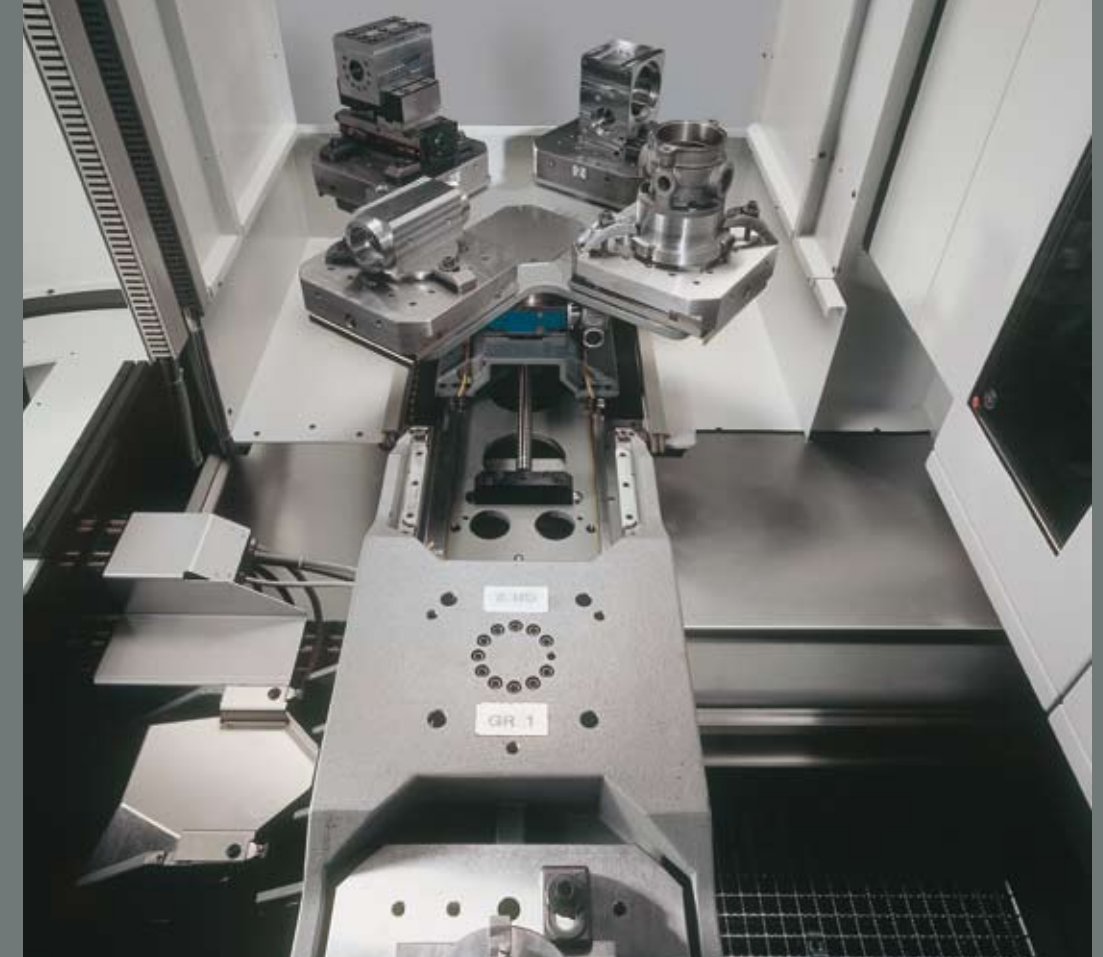
With pallet changer systems in several different sizes, we are setting new standards for set-up in parallel to production with our highly dynamic 3-axis, 4-axis, and especially 5-axis machines. Further increase in productivity allows for more adaptable storage systems. The machining centres can be production-oriented equipped via a pallet storage for machine running times with minimum operator interference/without operator interference or customer-specified with a wide range of parts. Through a production line arrangement linking several machining centres, the machining.



PW 160

Pallet changer

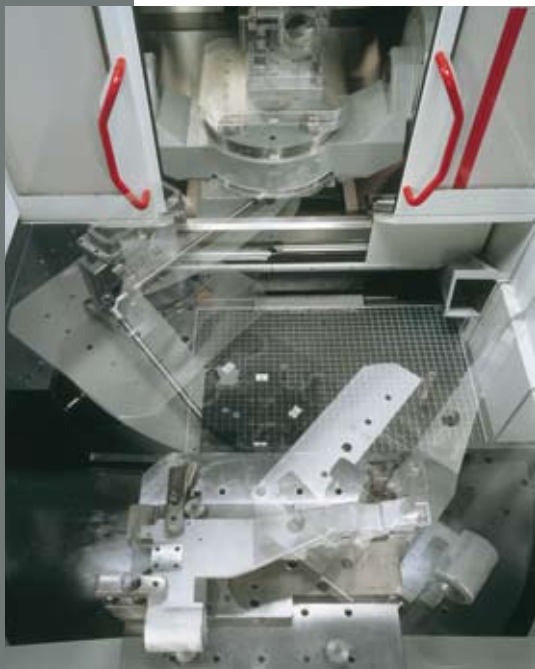
C 20 V and C 20 U NC swivelling rotary table	Ø 280 mm
C 30 V and C 30 U NC swivelling rotary table	Ø 280 mm
C 40 U NC swivelling rotary table:	Ø 420 mm
Pallet dimensions	400 x 400 / Ø 500 mm
Number of pallets without storage	3 pallets
Number of pallets with quadruple storage	7 pallets
Transport weight per side including pallet	max. 160 kg
Repeating accuracy	< 0.01 mm



PW 800

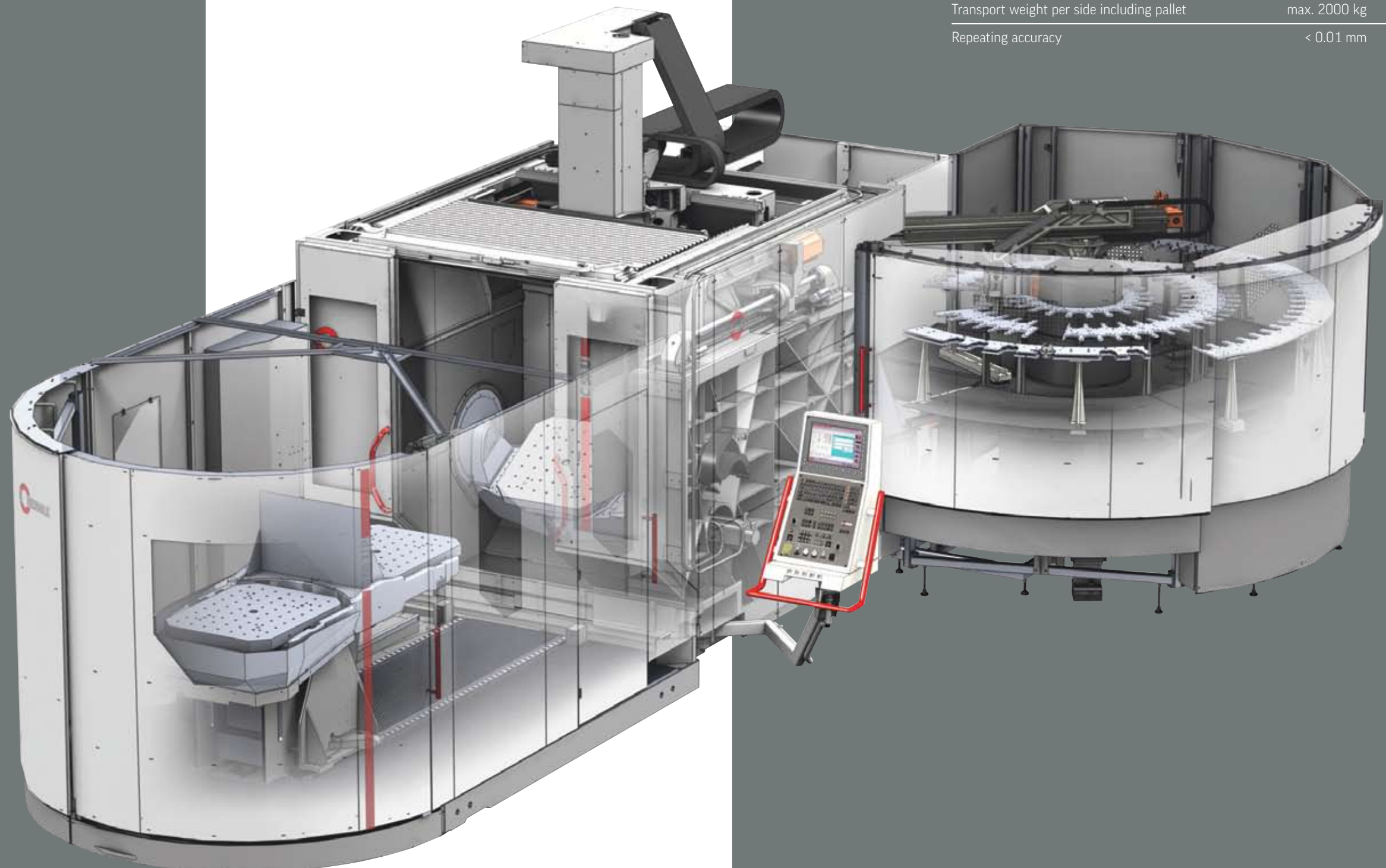
Pallet changer

C 30 V and C 30 U NC swivelling rotary table	Ø 630 mm
C 40 U NC swivelling rotary table	Ø 800 mm
Pallet dimensions	630 x 630 / Ø 800 mm 500 x 500 / Ø 630 mm
Number of pallets without storage	2 pallets
Pallets with storage	18 pallets
Transport weight per side including pallet	max. 800 kg
Repeating accuracy	< 0.01 mm



PW 2000

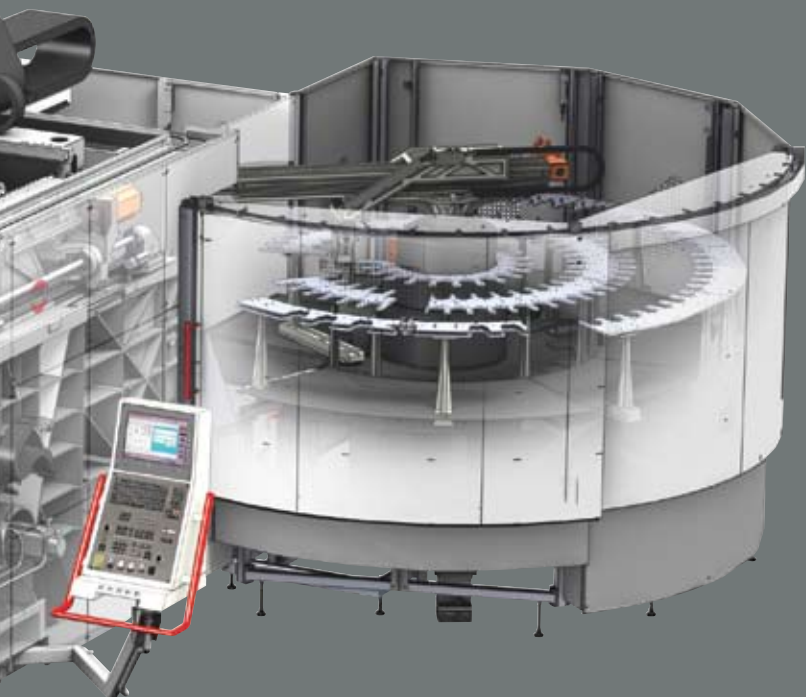
Pallet changer



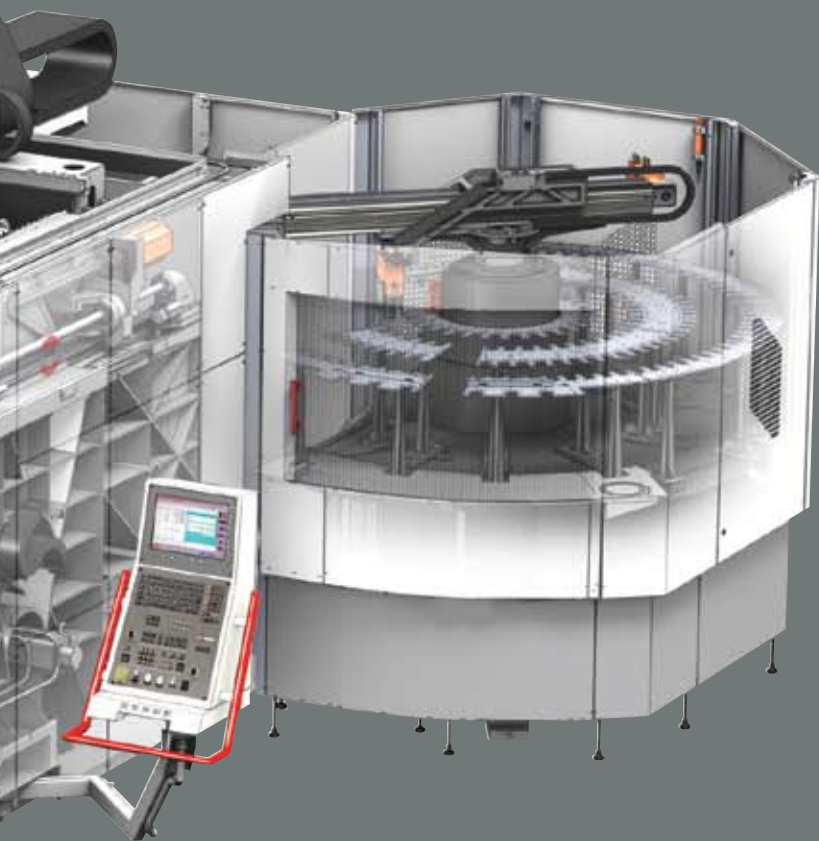
Pallet dimensions	800 x 800 / Ø 1000 mm 1000 x 800 / Ø 1166 mm
Pallets locations without storage	2 pallets
Pallet locations with storage	21 pallets
Transport weight per side including pallet	max. 2000 kg
Repeating accuracy	< 0.01 mm

ZM

Additional magazines



Additional magazine
ZM 124

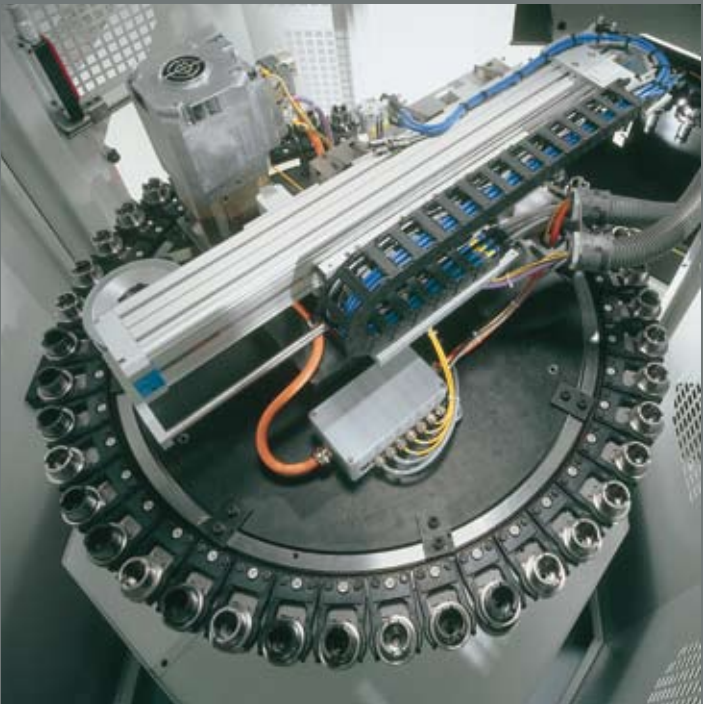


Additional magazine
ZM 162

- Additional magazines for complex machining processes
- Hermle's own tool management software integrated in the control system
 - The additional magazines are adapted to the magazine loading location
 - Up to 6 (8) loading locations for fast loading of magazines ZM 124 / ZM 162 (ZM 157)



Additional magazine
ZM 157



Additional magazine
ZM 43

Expansion of tool storage capacity	C 20	C 30	C 40	C 50	
Additional magazine with additional:	43	43	43	41	pockets
Additional magazine with additional:	87	87	87	124	pockets
Additional magazine with additional:	-	157	157	162	pockets
Maximum tool length:	250	300	300	430	mm
Maximum tool diameter:	Ø 80	Ø 80	Ø 80	Ø 160/250*	mm
Max. tool diameter with corresponding adjacent pocket allocation:	Ø 125	Ø 125	Ø 125	-	mm
Maximum tool weight:	6	8	8	15/30*	kg

*for SK 50



Additional magazine
ZM 157

Everything. From a single source.

Machining centres and automation solutions from a single source with assured system competence in planning and installation as well as in-service:

- 3-, 4- and 5-axis machining centres, where even table assemblies, the main spindles and the entire sheet metal enclosure are manufactured and assembled in-house
- Automation solutions from pallet changer systems, pallet storage units, auxiliary tool magazines, flexible production systems to customer-specific turnkey solutions

Pallet Storage Systems

Robot System RS 1

Handling System

Machining Centres

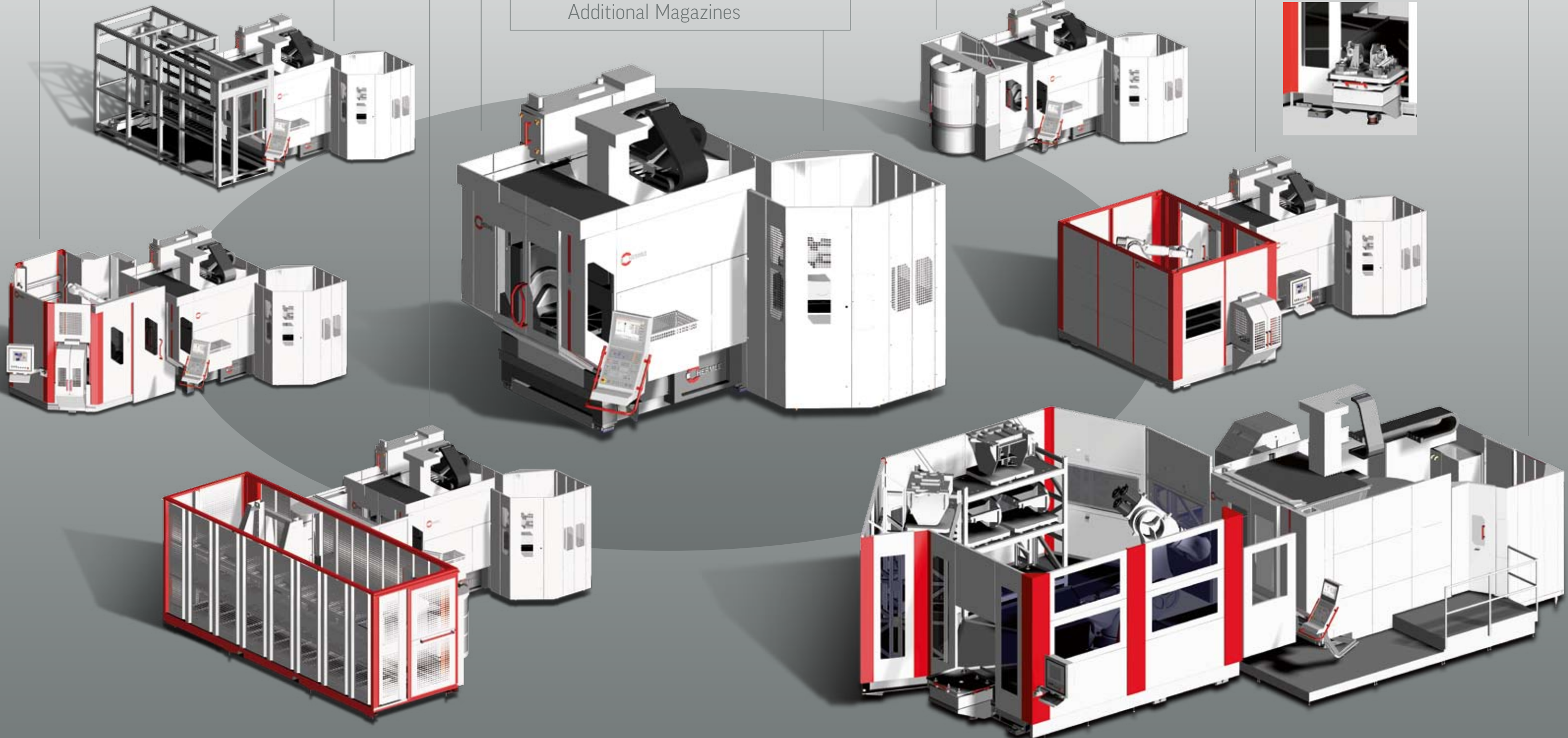
Additional Magazines

Pallet Changer

Robot System RS 2

Turnkey Projects

Robot System RS 4



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The machining examples used in this leaflet are published with the explicit approval of our friendly customers. The information in this leaflet contains only general descriptions or performance characteristics which in a real application may not always match the description or which may change as the result of further development of the products. The performance features desired shall only be binding if they have been expressly agreed upon in writing at the time of the contract.

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