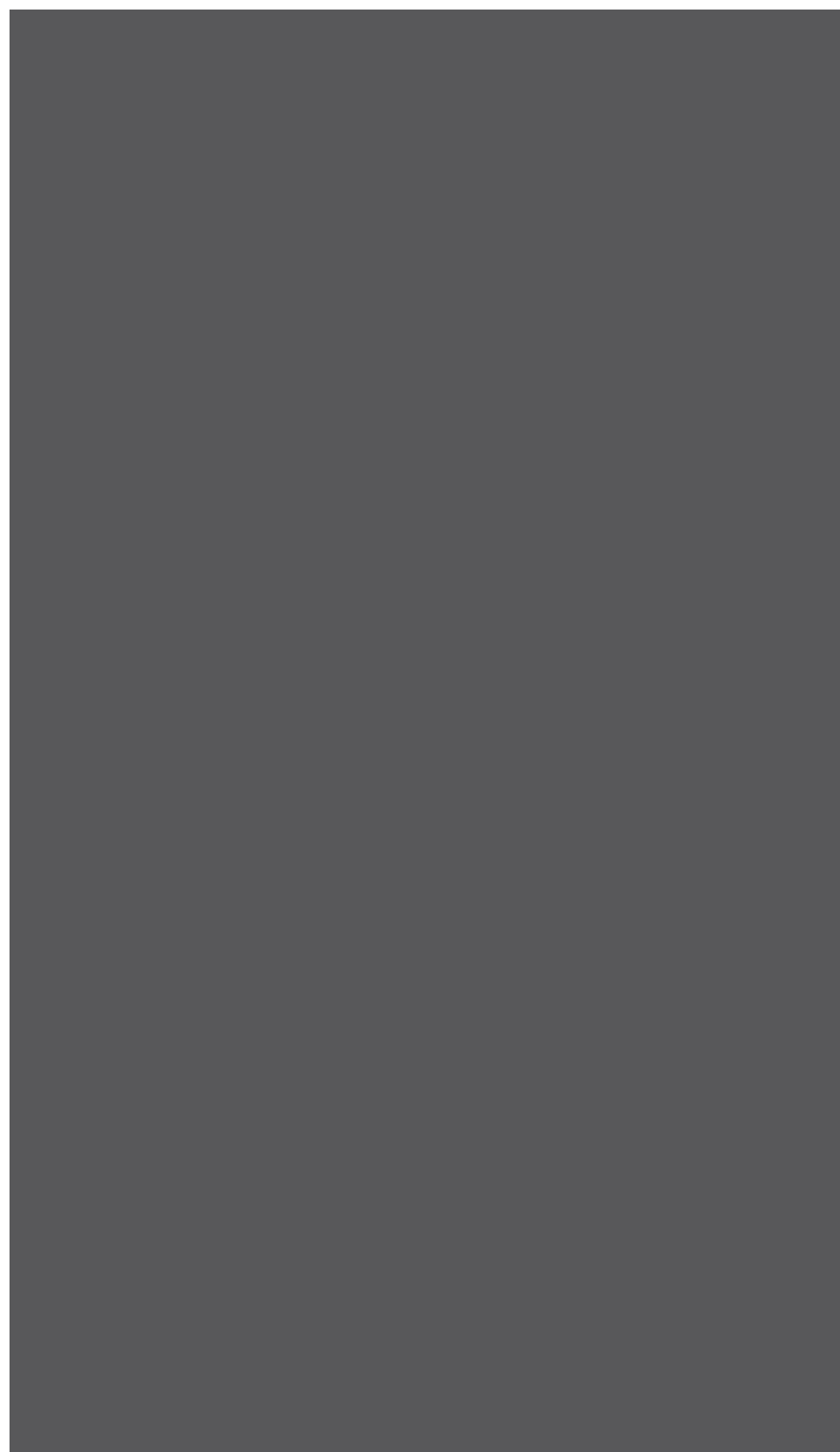


Overview





It is the result that counts

Hermle machines are often at the forefront when it comes to optimized results.

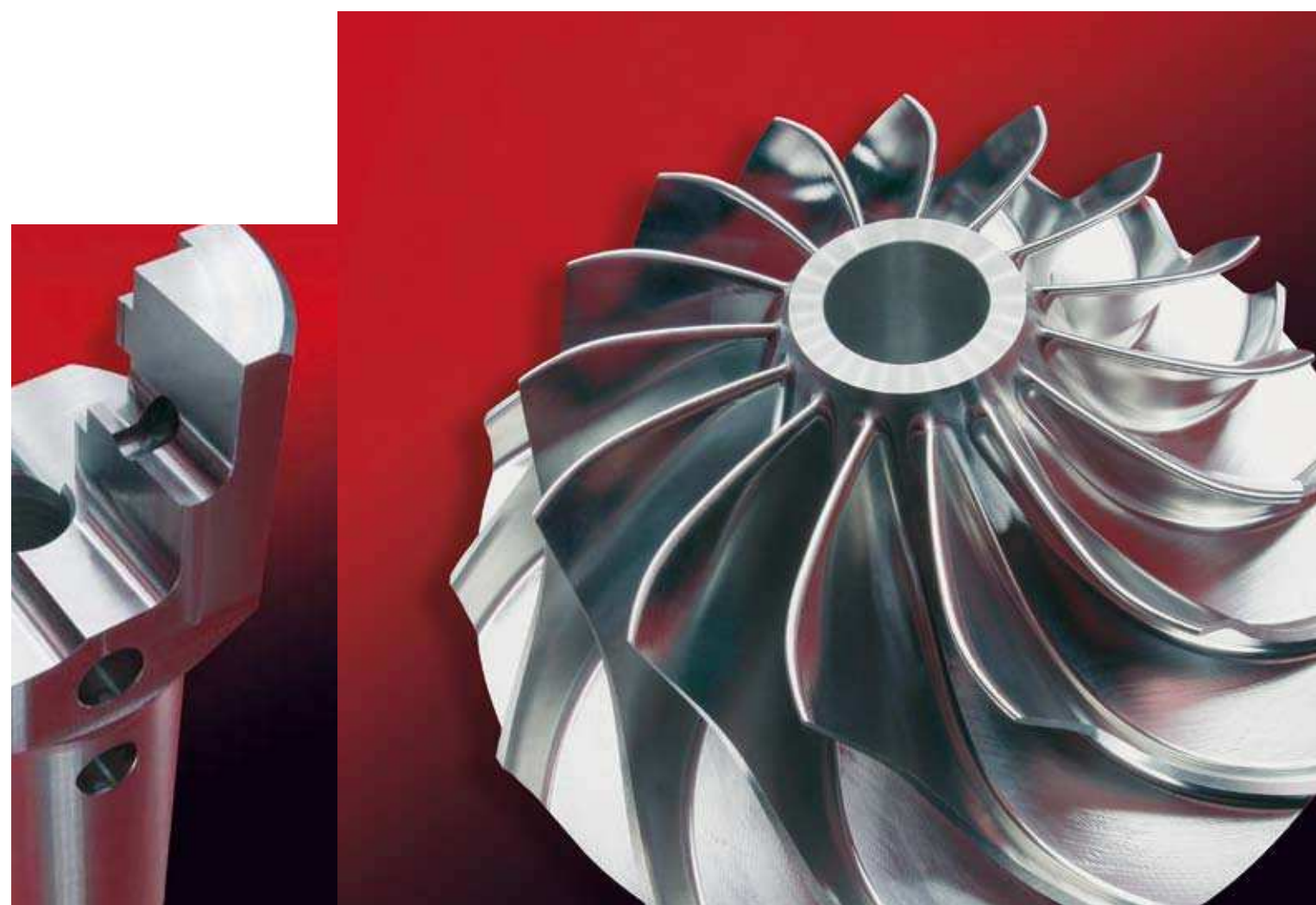
The proverbial Hermle precision in combination with process consulting and project management has made us the most important machine partner in nearly all key sectors – ranging from large-sized complex components to microcomponents in the high-tech field. Versatile use, uncompromising results – simply Hermle.



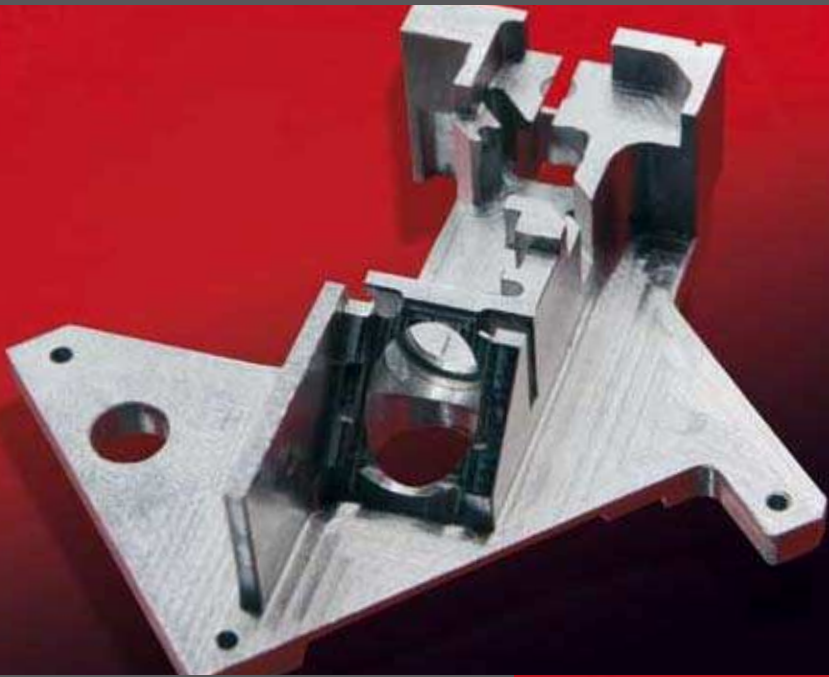
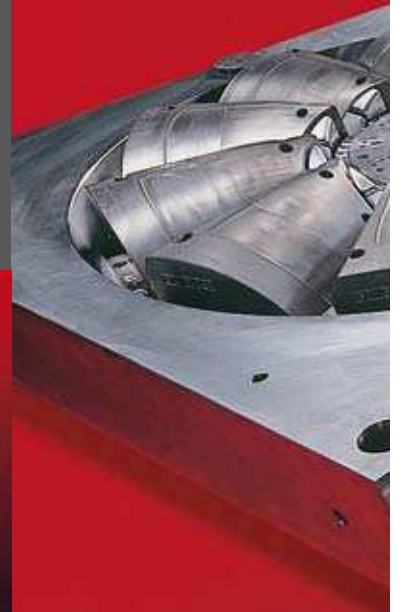
A class...

SECTOR SOLUTIONS FROM HERMLE





...of its own





C 20



THE VERSATILE VERSION

Performance, precision and universality all in one?

No question, the C series can do it. It includes one of our most versatile machines: the C 20.

Constructed in modified gantry design, it provides the required workpiece-dependent dynamics by virtue of three axes in the tool and simplifies the automatic tool change by the pick-up method.

Technical data:

Traverse	
X-Y-Z:	600-450-450 mm
Speed:	10,000 / 16,000 / 40,000 rpm
Rapid traverse in all axes:	45 m/min
Control:	iTNC 530 / S 840 D
Rigid clamping table:	800 x 465 mm
Max table load:	1000 kg
NC-swivelling rotary table:	Ø 280 mm
Swivelling range:	+/- 115°
Max table load:	300 kg

THE DYNAMIC VERSION

Universal machining centres based on modular design and therefore multi-purpose. These two constructional wonders in modified gantry design set new standards in 5-axis machining ...

Technical data:

Traverse	
X-Y-Z:	650-600-500 mm
Speed:	10,000 / 18,000 / 28,000 / 40,000 rpm
Linear rapid traverses	
(dynamic):	45 (60) m/min
Control:	iTNC 530 / S 840 D
Clamping table:	900 x 650 mm
Max table load:	1500 kg
NC-swivelling rotary tables	
clamping area:	Ø 280 mm
Swivelling range:	+/- 115°
Speed A-axis	
(dynamic):	25 (55) rpm
Speed C-axis:	40 rpm
Max table load:	300 kg
Clamping area:	Ø 630 mm
Swivelling range:	+30° / -115°
Speed A-/C-axes:	25/65 rpm
Max table load:	1000 kg



C40



THE DYNAMIC VERSION

... three axes in the tool make it, independently of the workpiece, as dynamic as never before. Specified speed for rapid traverses and feeds 60 m/min:

This is what we understand by efficiency à la C 30 and C 40.

Technical data:

Traverse	
X-Y-Z:	850-700-500 mm
Speed:	10,000 / 18,000 / 28,000 / 40,000 rpm
Linear rapid traverses (dynamic):	45 (60) m/min
Control:	iTNC 530 / S 840 D
Rigid clamping table:	
	1070 x 700 mm
Max table load:	2000 kg
NC-swivelling rotary tables	
clamping area:	2 x Ø 280 mm
Swivelling range:	+/- 115°
Speed A-/C-axes:	55 / 40 rpm
Max table load:	2 x 300 kg
Clamping area:	Ø 420 mm
Swivelling range:	+91° / -139°
Speed A-/C-axes:	55 / 65 rpm
Max table load:	600 kg
Clamping area:	Ø 800 mm
Swivelling range:	+25° / -110°
Speed A-/C-axes:	25/65 rpm
Max table load:	1400 kg

THE POWERFUL VERSION

Simultaneous machining
of 2000-kg workpieces in
5 axes.

Achieving the required pre-
cision is a challenge for the
machine dynamics.

The Machining Centre
C 50 dynamic with two
NC swivelling rotary table
versions.

Technical data:

Traverse	
X-Y-Z:	1000-1100-750 mm
Speed:	9,000 / 12,000 / 18,000 rpm

Linear rapid traverses	
X-Y-Z:	60-60-55 m/min
Control:	iTNC 530 / S 840 D

NC-swivelling rotary tables	
Clamping area:	Ø 700 mm
Swivelling range:	+100° / -130°
Speed A-axis:	20 rpm
Speed C-axis:	30 rpm
Max table load:	2000 kg

Clamping area:	Ø 1150 mm
flattened to:	900 mm
Swivelling range:	+100° / -130°
Speed A-axis:	20 rpm
Speed C-axis:	30 rpm
Max table load:	2000 kg



PW 160



PALLET CHANGER

With its pallet changer systems in three different sizes, Hermle is setting new standards in the set-up in parallel to production of its highly dynamic 3-axis, 4-axis and especially 5-axis machines. Additional storage systems increase the machine runtimes. A zero-point clamping system developed by Hermle provides high process safety.

Technical data:

Pallet changer PW 160

C 20 V and C 20 U

NC-swivelling rotary table: \varnothing 280

C 30 V and C 30 U

NC-swivelling rotary table: \varnothing 280

C 40 U

NC-swivelling rotary table: \varnothing 420

Max. pallet size: 400 x 400 /
 \varnothing 500 mm

Max. transport weight: 160 kg

3 pallets (without storage)

7 pallets with 4-fold storage

PW 800

Technical data:

Pallet changer PW 800	
C 30 V and C 30 U	
NC-swivelling rotary table:	Ø 630
C 40 U	
NC-swivelling rotary table:	Ø 800
Max. pallet size:	630 x 630 /
	Ø 800 mm
Max. transport weight:	800 kg
2 pallets (without storage)	
17 pallets with storage	



PW 2000



Technical data:

Pallet changer PW 2000

NC-swivelling

rotary table: \varnothing 1150

Max. pallet size: 1000 x 800 /
 \varnothing 1166 mm

Max. transport weight: 2000 kg

2 pallets (without storage)

21 pallets with storage

THE HEAVYWEIGHT VERSION

Stable and reliable at a traverse of 1.2 meters in the X-axis: These properties alone already make clear why the C 1200 V is a match for even the greatest challenges. Its modified gantry design closed at the rear, two axes in the tool and its short positioning and approach times through high accelerations provide on the whole power and speed in combination with maximum precision.

Technical data:

Traverse	
X-Y-Z:	1200-900-500 mm
Speed:	10,000 / 16,000 / 24,000 rpm
Rapid traverse in all axes:	30 m/min
Control:	iTNC 530 / S 840 D
Clamping table:	1400 x 900 mm
Max table load:	1800 kg



B 300



The proven

Hermle has set the trend with its proven, very compact design principle in modified gantry design as well as the swivelling rotary table located on both of the side walls. The B 300 is based on this concept and is located within the C series. It is the precise entry into 3 to 5-axis technology. With typical Hermle accuracy and quality, no shortcuts were taken. The individual options were adapted to the possible area of application.

Technical data:

Traverse	
X-Y-Z:	800-600-500 mm
Speed:	15000 rpm.
Rapid traverse	
in all axes:	30 m/min
Control:	iTNC 530
Rigid clamping	
table:	1000 x 560 mm
Max table load:	1500 kg
5-axis design	
NC-swivelling rotary tables:	
clamping area:	Ø 280 mm
Adjacent	
clamping plates:	800 x 370 mm
Swivelling range:	+/- 110 °
Max table load:	250 kg

The direction

It is all about milling and achieving an excellent result.
That's what our efforts are directed at: Our architecture, our structure, our work,
our thoughts, our development, our construction, our assembly, our service, etc.
Everything we achieve, change and optimize makes our results better, more precise,
more readily available – nothing more and nothing less.

Hermle – Milling at its best

WHAT DOES HERMLE STAND FOR?



Around the world, you can find the answer more than 18,000 times by now: for universal milling machines and machining centres that perform their work precisely and reliably. Our almost proverbial Swabian innovative talent and closely knit sales and service network guarantee Hermle virtues on-site in all important countries of the world. What a pity that some expressions become hackneyed, but we can say with complete justification: Wherever precision and quality come from, that's where also Hermle is at home.





Assembly in a team

HERMLE QUALITY IS NO COINCIDENCE

Every one of our machines is assembled completely by an assembly team in which every single person feels personally responsible for the result. This allows us to achieve, in intense group work coupled with cyclic assembly and assembly line production, solutions that emphasize our quality standards towards the customer.





Production is modern logistics

Our production systems controlled by a master computer that include a production line arrangement of pallet stations are highly sophisticated, highly flexible, tuned individually to our products and designed for optimum quality. Depending on demand, they can produce in 3 shifts 7 days a week and - if it should become necessary - also from one day to the next. Your machine is produced and assembled entirely at our plant.

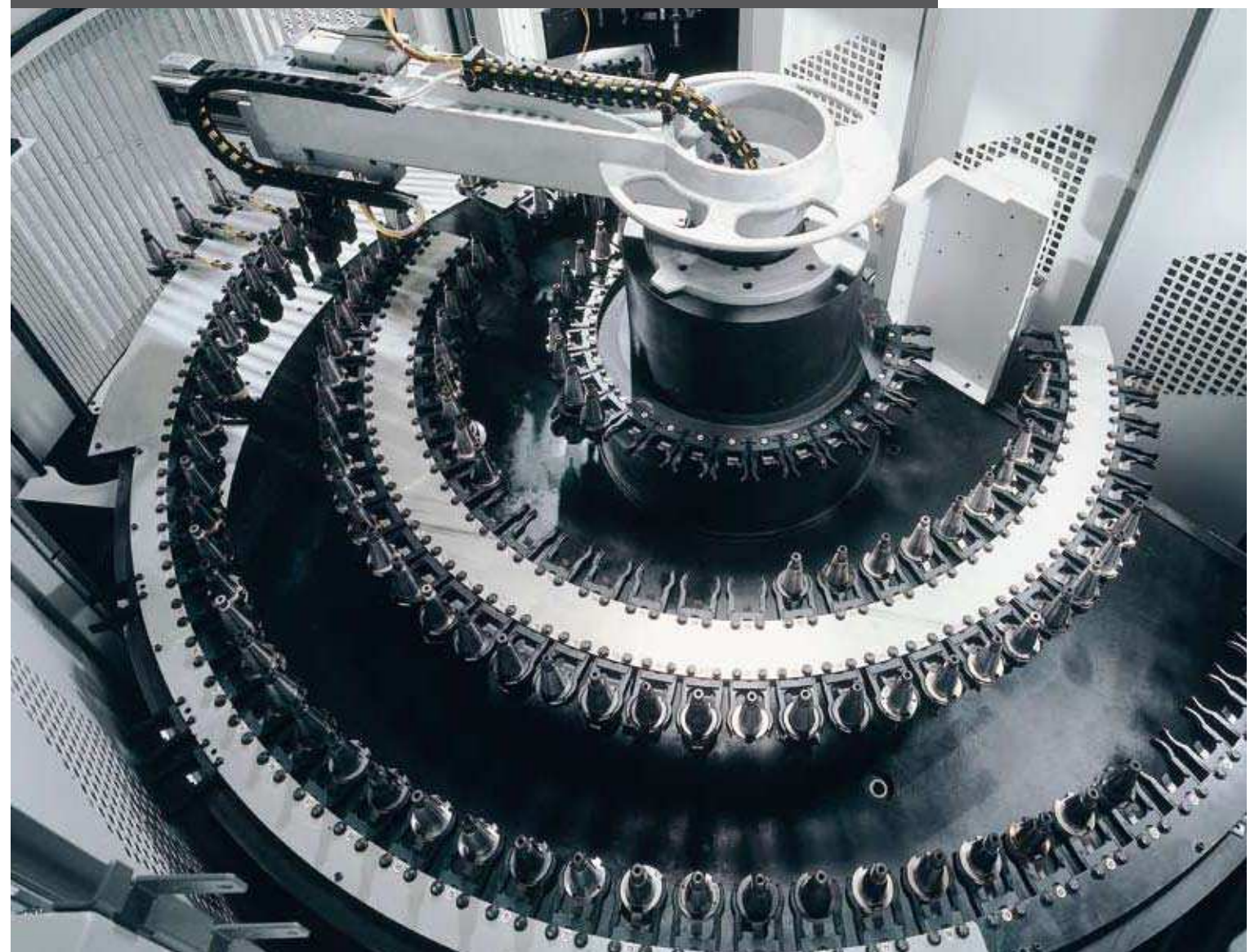


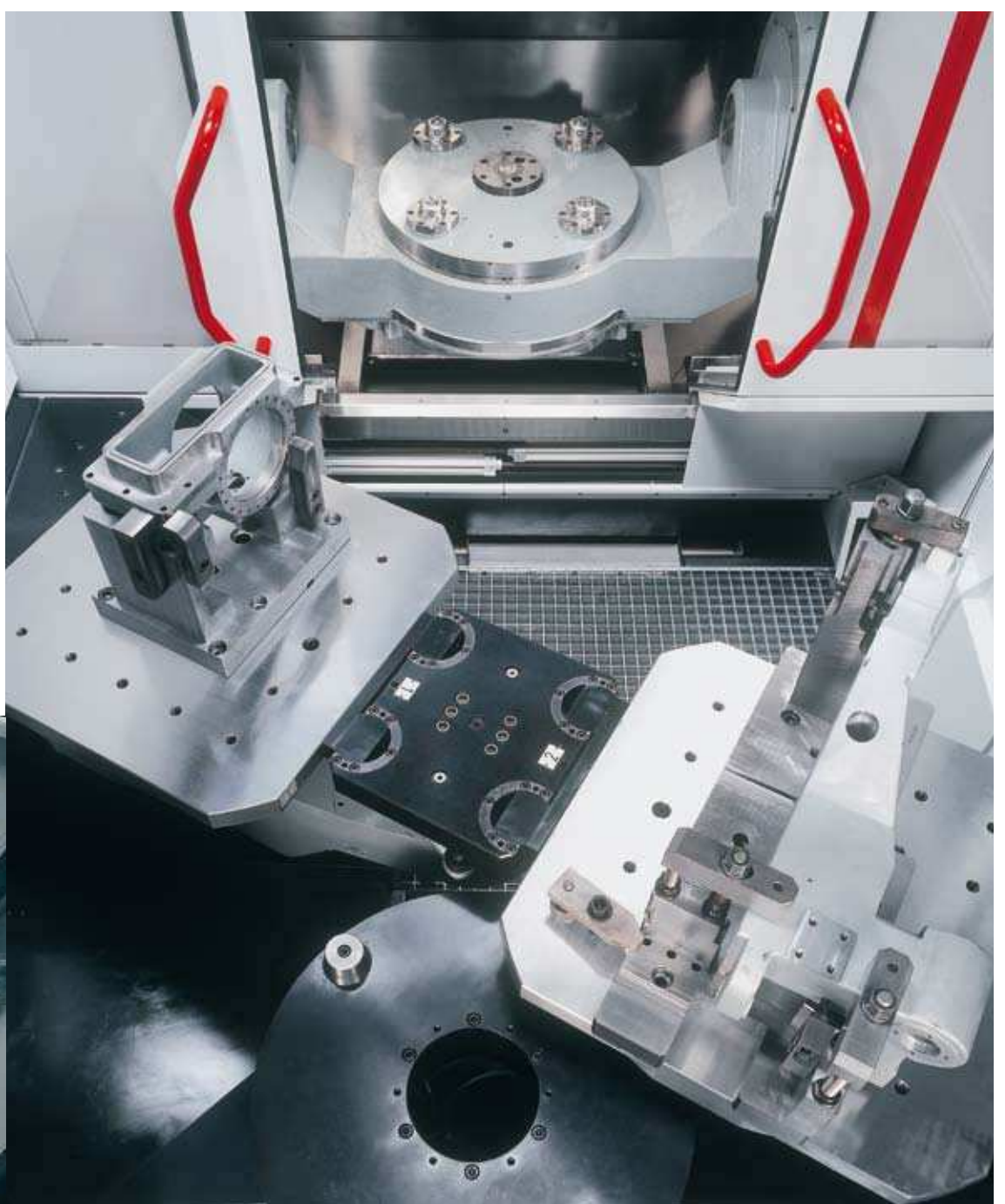




We have
the solutions
others still
think about

AUTOMATION TECHNOLOGY



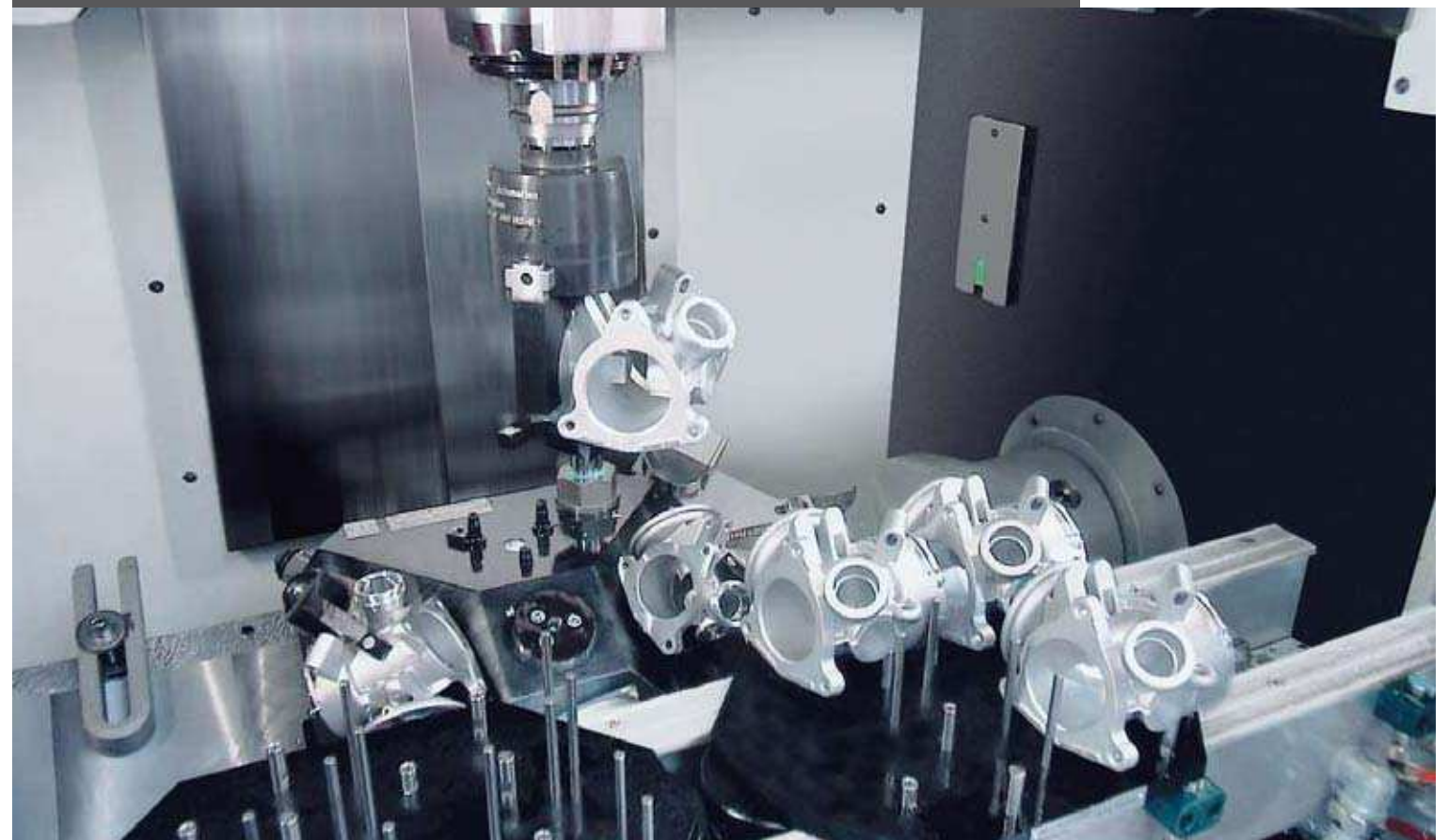


Everybody talks about automation, but at Hermle it's much more than just a trendy word. We ourselves have developed from a machine to a process provider because we believe that the decisive criterion for automated efficiency is the integration of the entire environment and periphery. And thus, what began with economical pallet change and intelligent handling systems ends with highly advanced robot solutions. Integrating a machine in a flexible manufacturing cell is something we have been capable of for a long time.

One generation ahead

TURN-KEY-PROJECTS

The increasing demand for turn-key solutions has been enough reason to develop our activities further in the area of "Turn-Key Projects". A key role is played not only by complex machining processes with increased automation, handling and equipment requirements but also by sophisticated production strategies including cycle time guarantee, clamping devices, tool packages, programming systems and integration into existing PPS systems. We know tomorrow's questions and we know the answers. Welcome to our "Turn-Key Projects"!





Hermle - worldwide

Hermle + Partner Vertriebs GmbH

Oymühlenstraße 29a - D-87466 Oy-Mittelberg

Phone +49 (0)8366 988007

Fax +49 (0)8366 987129

vertrieb.hpv@t-online.de

www.hermle-partner-vertrieb.de

Hermle-Leibinger Systemtechnik GmbH

Daimlerstraße 14 - D-78532 Tuttlingen

Phone +49 (0)7461 96628-0

Fax +49 (0)7461 96628-398

info.hls@hermle.de

Innovaris GmbH & Co. KG

Daimlerstraße 6 - D-85521 Ottobrunn

Phone +49 (0)89 6735950-950

Fax +49 (0)89 6735950-952

info@innovaris.de

www.innovaris.de

Hermle (Schweiz) AG

Tobelackerstrasse 6 - CH-8212 Neuhausen

Phone +41 (0)52 67400-40

Fax +41 (0)52 67400-41

info@hermle-schweiz.ch

www.hermle-schweiz.ch

Hermle Nederland B.V.

Molliërelaan 176 - NL-5924 AN Venlo-Blerick

Phone +31 (0)77 3961761

Fax +31 (0)77 4641070

info@hermle-nederland.nl

www.hermle-nederland.nl

Verkaufsbüro Belgien

Martin Coun

Meldertsestraat 55 - B-3545 Halen

Phone +32 (0)13 5563-83

Fax +32 (0)13 5563-84

hermle@scarlet.be

Hermle Machine Co. LLC

5100 West Franklin Drive

Franklin, WI 53132 USA

Phone +1 414 421-9770

Fax +1 414 421-9771

info@hermlemachine.com

www.hermlemachine.com

Hermle Italia S.r.l.

Via Papa Giovanni XXIII 9-b

I-20090 Rodano (MI)

Phone +39 02 95327-241

Fax +39 02 95327-243

info@hermle-italia.it

www.hermle-italia.it

Hermle Österreich

Rudolf Fluch

Sportplatzstrasse 31/2 - A-8712 Proleb

Phone +43 (0)3842 83377

Fax +43 (0)3842 82410

rudolf.fluch.hpv@utanet.at

Hermle Česká Republika

Milos Branda

Chudenická 1060/28

CZ-102 00 Praha 10

Mobil +420 731 479 033

milos.branda.hpv@hermle.cz

Martin Skukálek

Podhájom 1365/164-73

SK-01841 Dubnica nad Váhom

Phone +421 (0)424 441888

Fax +421 (0)424 441886

martin.skukalek.hpv@stonline.sk

Hermle China

Shanghai Representative Office

Floor 21 E, Shanghai Industry Building No. 18

North Cao Xi Road

200030 Shanghai, P.R.China

Phone +86 21 2281 9188

Fax +86 21 6427 1887

hermlesha@126.com

Beijing Representative Office

No. 1707 Tower A, Dongyu Building

No. A 1 Shuguang Xili Road

Chaoyang District

100028 Beijing, P.R. China

Phone +86 10 5822 0951/2/3

Fax +86 10 5822 1426

hermlebeijing@vip.163.com

Hermle WWE AG

Zuger Strasse 72

CH-6340 Baar/ZG

Phone +41 (0)41 768 51-51

Fax +41 (0)41 768 51-50

info@hermle-wwe.com

000 Hermle Vostok

ul. Polkovaya 1

RU-127018 Moskau

Phone +7 495 221 83 68

Fax +7 495 221 83 93

info@hermle-vostok.ru

Hermle - worldwide

Hermle + Partner Vertriebs GmbH

Oymühlenstraße 29a - D-87466 Oy-Mittelberg

Phone +49 (0)8366 988007

Fax +49 (0)8366 987129

vertrieb.hpv@t-online.de

www.hermle-partner-vertrieb.de

Hermle-Leibinger Systemtechnik GmbH

Daimlerstraße 14 - D-78532 Tuttlingen

Phone +49 (0)7461 96628-0

Fax +49 (0)7461 96628-398

info.hls@hermle.de

Innovaris GmbH & Co. KG

Daimlerstraße 6 - D-85521 Ottobrunn

Phone +49 (0)89 6735950-950

Fax +49 (0)89 6735950-952

info@innovaris.de

www.innovaris.de

Hermle (Schweiz) AG

Tobelackerstrasse 6 - CH-8212 Neuhausen

Phone +41 (0)52 67400-40

Fax +41 (0)52 67400-41

info@hermle-schweiz.ch

www.hermle-schweiz.ch

Hermle Nederland B.V.

Molliërelaan 176 - NL-5924 AN Venlo-Blerick

Phone +31 (0)77 3961761

Fax +31 (0)77 4641070

info@hermle-nederland.nl

www.hermle-nederland.nl

Verkaufsbüro Belgien

Martin Coun

Meldertsestraat 55 - B-3545 Halen

Phone +32 (0)13 5563-83

Fax +32 (0)13 5563-84

hermle@scarlet.be

Hermle Machine Co. LLC

5100 West Franklin Drive

Franklin, WI 53132 USA

Phone +1 414 421-9770

Fax +1 414 421-9771

info@hermlemachine.com

www.hermlemachine.com

Hermle Italia S.r.l.

Via Papa Giovanni XXIII 9-b

I-20090 Rodano (MI)

Phone +39 02 95327-241

Fax +39 02 95327-243

info@hermle-italia.it

www.hermle-italia.it

Hermle Österreich

Rudolf Fluch

Sportplatzstrasse 31/2 - A-8712 Proleb

Phone +43 (0)3842 83377

Fax +43 (0)3842 82410

rudolf.fluch.hpv@utanet.at

Hermle Česká Republika

Milos Branda

Chudenická 1060/28

CZ-102 00 Praha 10

Mobil +420 731 479 033

milos.branda.hpv@hermle.cz

Martin Skukálek

Podhájom 1365/164-73

SK-01841 Dubnica nad Váhom

Phone +421 (0)424 441888

Fax +421 (0)424 441886

martin.skukalek.hpv@stonline.sk

Hermle China

Shanghai Representative Office

Floor 21 E, Shanghai Industry Building No. 18

North Cao Xi Road

200030 Shanghai, P.R.China

Phone +86 21 2281 9188

Fax +86 21 6427 1887

hermlesha@126.com

Beijing Representative Office

No. 1707 Tower A, Dongyu Building

No. A 1 Shuguang Xili Road

Chaoyang District

100028 Beijing, P.R. China

Phone +86 10 5822 0951/2/3

Fax +86 10 5822 1426

hermlebeijing@vip.163.com

Hermle WWE AG

Zuger Strasse 72

CH-6340 Baar/ZG

Phone +41 (0)41 768 51-51

Fax +41 (0)41 768 51-50

info@hermle-wwe.com

000 Hermle Vostok

ul. Polkovaya 1

RU-127018 Moskau

Phone +7 495 221 83 68

Fax +7 495 221 83 93

info@hermle-vostok.ru



Maschinenfabrik
Berthold Hermle AG
Industriestraße 8-12
D-78559 Gosheim

Phone +49 (0)7426 95-0
Fax +49 (0)7426 95-6109

info@hermle.de
www.hermle.de

The machining examples used in this brochure are published expressly by courtesy of our customers. The information in this brochure only contains general descriptions and/or performance features that, in a concrete application, may not always apply in the form described or represented here or may have changed due to 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.



Maschinenfabrik
Berthold Hermle AG
Industriestraße 8-12
D-78559 Gosheim

Phone +49 (0)7426 95-0
Fax +49 (0)7426 95-6109

info@hermle.de
www.hermle.de
