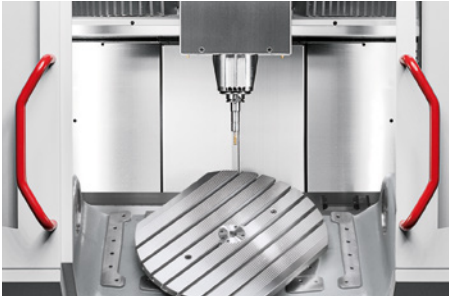


# Product Overview

[www.hermle.de](http://www.hermle.de)



# 01.1 HIGH-PERFORMANCE-LINE



**C 12**

**5-axis**

milling: max. 100 kg

Workpiece dimensions (in mm):

**Ø 320 x 265**

**Traverse X-Y-Z:** 350 - 440 - 330 mm  
**Speed:** 12000 / 15000 / 18000 / 25000 /  
 30000 / 42000 rpm

**Rapid linear traverse X-Y-Z**  
 (dynamic): 30 (50) m/min

**Control unit:** TNC 640 / TNC7

**Swivelling rotary table:**

Table with torque: Ø 320 mm

Swivelling range: +/- 115°

A axis speed: 25 (55) rpm (dynamic)

C axis speed: 40 (80) rpm (dynamic)

Max. table load: 100 kg

**C 22**

**5-axis**

**3-axis**

milling: max. 300 kg | milling: max. 750 kg

Workpiece dimensions (in mm):

**Ø 450 x 370 | 450 x 600 x 330**

**Traverse X-Y-Z:** 450 - 600 - 330 mm  
**Speed:** 15000 / 18000 / 25000 / 30000 /  
 42000 rpm

**Rapid linear traverse X-Y-Z**  
 (dynamic): 30 (50) m/min

**Control unit:** TNC 640 / TNC7 / S 840 D sl

**Rigid clamping table:** 600 x 630 mm

**Max. table load:** 750 kg

**Swivelling rotary tables:**

Table with worm: Ø 320 mm / Ø 450 x 360 mm

Swivelling range: +/- 135°

A axis speed: 25 rpm

C axis speed: 40 rpm

Max. table load: 300 kg

Table with torque: Ø 320 mm

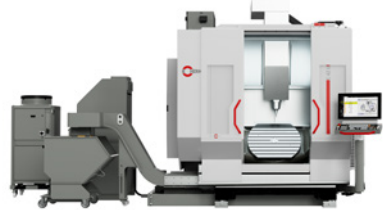
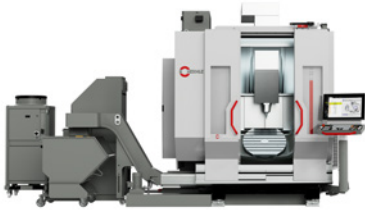
Swivelling range: +/- 135°

A axis speed: 25/55\* rpm

C axis speed: 80 rpm

Max. table load: 150 kg

\*with tandem drive



## C 32

5-axis

3-axis

milling: max. 1000 kg    milling: max. 1500 kg

Workpiece dimensions (in mm):

Ø 650 x 420

650 x 650 x 500

**Traverse X-Y-Z:** 650 - 650 - 500 mm  
**Speed:** 15000 / 16000 / 20000 / 25000 / 42000 rpm

**Rapid linear traverse X-Y-Z**  
 (dynamic): 45 [60] - 45 [60] - 40 [60] m/min

**Control unit:** TNC 640 / TNC7 / S 840 D sl

**Rigid clamping table:** 900 x 665 mm

**Max. table load:** 1500 kg

**Swivelling rotary tables:**

Table with worm: Ø 320 mm / Ø 450 x 360 mm

Swivelling range: +/- 130°

A axis speed: 25 rpm

C axis speed: 40 rpm

Max. table load: 300 kg

Table with torque: Ø 650 x 540 mm

Swivelling range: +/- 130°

A axis speed: 25 rpm

C axis speed: 30 rpm

Max. table load: 600 kg

Table with torque: Ø 320 mm    Ø 650 x 540 mm

Swivelling range: +/- 130°    +/- 130°

A axis speed: 25/55\* rpm    25 rpm

C axis speed: 80 rpm    65 rpm

Max. table load: 200 kg    600/1000\* kg

\*with tandem drive

## C 42 / C 42 U MT

5-axis

3-axis

milling: max. 1400 kg    milling: max. 2000 kg  
 MT turning: max. 700 kg  
 MT milling: max. 1400 kg

Workpiece dimensions (in mm):

Ø 800 x 560

800 x 800 x 550

**Traverse X-Y-Z:** 800 - 800 - 550 mm

**Speed:** 15000 / 16000 / 20000 / 25000 / 42000 rpm

**Rapid linear traverse X-Y-Z**  
 (dynamic): 45 [60] - 45 [60] - 40 [60] m/min

**Control unit:** TNC 640 / TNC7 / S 840 D sl

**Rigid clamping table:** 1050 x 805 mm

**Max. table load:** 2000 kg

**Swivelling rotary tables:**

Table with worm: Ø 440 mm    Ø 800 x 630 mm

Swivelling range: +/- 130°    +/- 130°

A axis speed: 25 rpm    15 rpm

C axis speed: 30 rpm    25 rpm

Max. table load: 450 kg    850 kg

Table with torque: Ø 440 mm    Ø 800 x 630 mm

Swivelling range: +/- 130°    +/- 130°

A axis speed: 55 rpm    25 rpm

C axis speed: 65 rpm    65 rpm

Max. table load: 450 kg    1400 kg

**C 42 U MT dynamic**

**Swivelling rotary table:**

Table with torque: Ø 750 mm

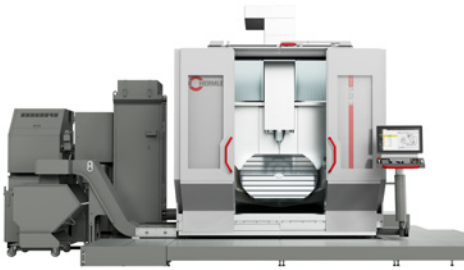
Swivelling range: +/- 130°

A axis speed: 25 rpm

C axis speed: 800 rpm

Table load: Max. turning: 700 kg

Max. milling: 1400 kg



## C 52 / C 52 U MT

5-axis

milling: max. 2000 kg  
 MT turning: max. 1000 kg  
 MT milling: max. 2000 kg

Workpiece dimensions (in mm):

Ø 1100 x 810

Ø 1000 x 810

**Traverse X-Y-Z:** 1000 - 1100 - 750 mm  
**Speed:** 9000 / 14000 / 18000 rpm  
**Rapid linear traverse X-Y-Z:** 60 - 60 - 55 m/min  
**Control unit:** TNC 640 / TNC7 / S 840 D sl

### Swivelling rotary tables:

Table with torque: Ø 700 / Ø 1150 x 900 mm  
 Swivelling range: +100° / -130°  
 A axis speed: 20 rpm  
 C axis speed: 30 rpm  
 Max. table load: 2000 kg

### C 52 U MT dynamic

#### Swivelling rotary table:

Table with torque: Ø 1000 mm  
 Swivelling range: +100° / -130°  
 A axis speed: 20 rpm  
 C axis speed: 500 rpm  
 Max. table load: Max. turning: 1000 kg  
 Max. milling: 2000 kg



## C 62 / C 62 U MT

5-axis

milling: max. 2500 kg  
 MT turning: max. 1500 kg  
 MT milling: max. 2500 kg

Workpiece dimensions (in mm):

Ø 1300 x 900

Ø 1200 x 900

**Traverse X-Y-Z:** 1200 - 1300 - 900 mm  
**Speed:** 9000 / 14000 / 18000 rpm  
**Rapid linear traverse X-Y-Z:** 50 m/min  
**Control unit:** TNC 640 / TNC7 / S 840 D sl

### Swivelling rotary tables:

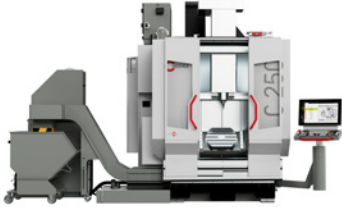
Table with torque: Ø 900 / Ø 1350 x 1100 mm  
 Swivelling range: +/- 130°  
 A axis speed: 15 rpm  
 C axis speed: 30 rpm  
 Max. table load: 2500 kg

### C 62 U MT dynamic

#### Swivelling rotary table:

Table with torque: Ø 1200 mm  
 Swivelling range: +/- 130°  
 A axis speed: 15 rpm  
 C axis speed: 400 rpm  
 Max. table load: Max. turning: 1500 kg  
 Max. milling: 2500 kg

# 01.2 PERFORMANCE-LINE



## C 250

5-axis

3-axis

milling: max. 300 kg      milling: max. 1100 kg

Workpiece dimensions (in mm):

Ø 450 x 355

600 x 550 x 450

**Traverse X-Y-Z:** 600 - 550 - 450 mm  
**Speed:** 15000 / 18000 1/min  
**Rapid linear traverse X-Y-Z:** 35 m/min  
**Control unit:** TNC 640 / TNC7  
**Rigid clamping table:** 800 x 616 mm  
**Max. table load:** 1100 kg

**Swivelling rotary table:**  
**Table with worm:** Ø 320 mm      Ø 450 x 360 mm  
**Swivelling range:** +/- 115°      +/- 115°  
**A axis speed:** 25 1/min      25 1/min  
**C axis speed:** 40 1/min      40 1/min  
**Max. table load:** 300 kg      300 kg

## C 400

5-axis

3-axis

milling: max. 600 kg      milling: max. 2000 kg

Workpiece dimensions (in mm):

Ø 650 x 500

850 x 700 x 500

**Traverse X-Y-Z:** 850 - 700 - 500 mm  
**Speed:** 15000 / 18000 1/min  
**Rapid linear traverse X-Y-Z:** 35 m/min  
**Control unit:** TNC 640 / TNC7  
**Rigid clamping table:** 1070 x 700 mm  
**Max. table load:** 2000 kg

**Swivelling rotary table:**  
**Table with worm:** Ø 440 mm      Ø 650 x 540 mm  
**Swivelling range:** +91° / - 139°      +91° / - 139°  
**A axis speed:** 25 1/min      25 1/min  
**C axis speed:** 30 1/min      30 1/min  
**Max. table load:** 450 kg      600 kg



## C 650

5-axis

3-axis

milling: max. 1500 kg      milling: max. 3000 kg

Workpiece dimensions (in mm):

Ø 900 x 600

1050 x 900 x 600

**Traverse X-Y-Z:** 1050-900-600 mm

**Speed:** 15000 / 16000 / 20000 1/min

**Rapid linear traverse X-Y-Z:** 35 m/min

**Control unit:** TNC 640 / TNC7

**Rigid clamping table:** 1250 x 982 mm

Max. table load: 3000 kg

**Swivelling rotary table:**

Table with worm: Ø 900 x 750 mm

Swivelling range: + / - 115°

A axis speed: 25 1/min

C axis speed: 25 1/min

Max. table load: 1500 kg



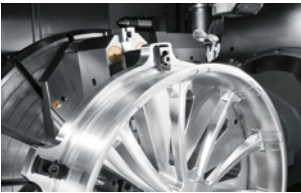


# 02

## Industry sectors

Hermle is at home in all sectors. For us, ensuring the highest precision and reliable machining is always paramount. Our machines are made for daily operation, whether as linked linear production cells or as standalone machines.

*Automotive industry*



*Energy Technology*



*Aerospace technology*



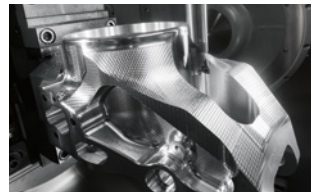
*Machine construction*



*Medical engineering*



*Motor sports and racing*



*Optical Industry*



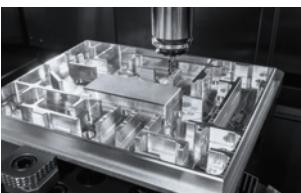
*Tool and mould construction*



*Tool Technology*

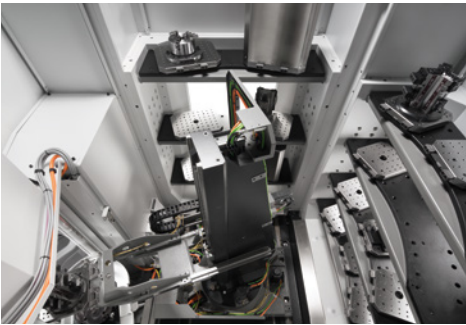


*Subcontractor industry*



# 03 Automation

Everybody talks about automation, but it's much more than just a trendy word. We ourselves have changed from being a machine manufacturer to a process provider because we believe that the decisive criterion for automated efficiency is integration of the entire environment and periphery. In keeping with this philosophy, we are continuing what began with economical pallet changing and intelligent handling systems with highly advanced robot solutions. We have long been capable of converting machines into flexible manufacturing cells for over 20 years.



HS flex handling system



RS 05 robot system gripper



Pallet storage from the pallet changer PW 150



Pallet changer PW 850 with storage



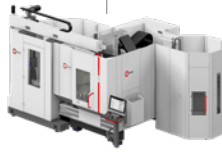
RS 05 matrix storage



*Pallet changer PW 100*



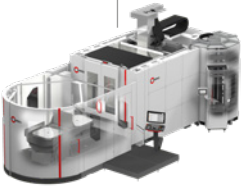
*Pallet changer PW 150*



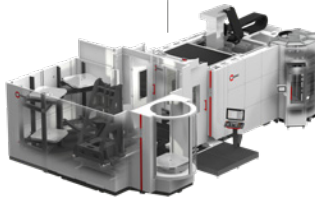
*Pallet changer PW 850*



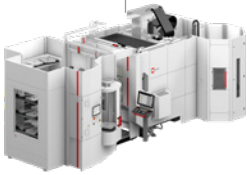
*Pallet changer PW 2000*



*Pallet changer PW 3000*



*Handling system HS flex*



*Handling system HS flex heavy*



*IH systems*



*RS 05-2 robot system*



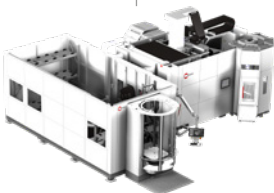
*RS 1 robot system*



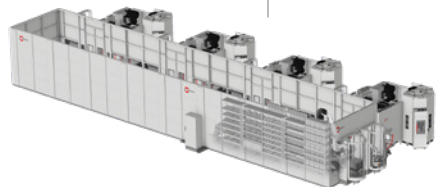
*RS 2 robot system*



*RS 3 robot system*



*RS Linear robot system*



# 04 The company



Hermle is all about milling and achieving outstanding results. And we are committed to ensuring just this with our architecture, our structure, our work, our approach, our development, our construction, our assembly and our service. Everything we achieve, change or optimize makes our results better, more precise, available more rapidly nothing more and nothing less.

„milling at its best“ – as the slogan of Hermle AG – sums this up aptly. It stands for a high-performance, highly innovative machining centres that have risen to a leading position nationally and internationally. It stands for a sprawling and closely meshed sales and service network and the presence worldwide of more than 30,000 successfully installed machines.

Ultimately, it stands for the success of our customers who achieve the best results in terms of precision and efficiency using our products.

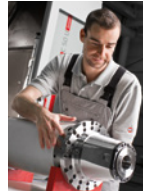
But what makes „milling at its best“ possible? A constant supply of new ideas and the proverbial Hermle precision in manufacturing, process consulting and sound project management. With our approx. 1.300 highly motivated employees, who are responsible for all this, we create the foundation. And we do this in a place which has traditionally been the home of precision mechanics and machine tools. All in all, these are the best possible prerequisites. They are the reasons why we enjoy a leading position today as a partner to numerous key industries. From large complex components to the smallest components in the high-tech area. From medical to automotive, we lead the way!

# 05 Services

The perfection we insist on for the development and production of our machines is also mirrored by our service department. Our service team provides more than just spare parts and rapid response support within hours. At Hermle, we see ourselves as a comprehensive service provider which provides customers with numerous benefits.

Alongside standard services, these include:

- Our superior, cost-effective, practical and flexible training programmes carried out by sales representatives directly at the customers' premises.
- Our continual pursuit of optimisation and perfection. Our motto – those who stop improving today will not make the grade tomorrow.
- Intensive expert consultation on milling in general, programming and handling of our products.
- Our application technicians who are experts in machining processes and who are quick to assist and advise our customers.



# 06 Worldwide

You can find our sales and service network in over 40 countries on 6 continents with competent on-site service available. That is one of our success factors for long-term and cooperative customer relationships.

Our motto: Direct sales and local service – nothing else will do! Hermle works for its international customers to provide direct, on-site consultation, sales, training and expert service.



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