

THE NEW **MAUS 1400**

Power in new dimensions



MAUS - VARIANTS

MAUS 600

Basic machine with door



- extremely compact **footprint**
- the **cost-efficient** entry into automatic casting finishing
- **ergonomic loading** with short distances

MAUS 600 TD

Machine with pallet changer and door



- compact **footprint**
- **high time efficiency**: shuttle table for loading and unloading parallel to processing
- **ergonomic loading** with short distances

MAUS 600 TL

Machine with pallet changer and light barrier



- ideal for **robot or crane loading**
- **high time efficiency**: shuttle table for loading and unloading parallel to processing
- **barrier-free accessibility** for loading

MAUS 900 TL

Machine with pallet changer and light barrier



- ideal for **robot or crane loading**
- **high time efficiency**: shuttle table for loading and unloading parallel to processing
- machining of a wide range of castings in a small footprint

MAUS 1400 TL

Machine with pallet changer and light barrier



- up to **three tools** without tool change
- optional tool changer: always the right tool
- **highest contour accuracy** to the taught path & highest removal and cutting performance thanks to proven rigidity from „classic“ mechanical engineering (linear technology)

MAUS 2200 TL

Machine with pallet changer and light barrier

Technical data	MAUS 600	MAUS 600 TD	MAUS 600 TL
Dimensions (W x D x H)	1,860 x 2,170 x 2,330 mm	1,910 x 3,120 x 2,330 mm	1,910 x 3,510 x 2,330 mm
Weight	3,200 kg	4,160 kg	4,000 kg
Casting dimensions max.		∅ 600 mm x H 400 mm	
Weight of casting and device max.		up to 100 kg	
Total power	10 kW main spindle + 3 kW additional spindle (optional main spindle with 26 kW)		

Technical data	MAUS 900 TL	MAUS 1400 TL	MAUS 2200 TL
Dimensions (W x D x H)	2,320 x 4,810 x 2,750 mm	6,000 x 6,850 x 4,100 mm	8,000 x 8,000 mm*
Weight	5,200 kg	23,000 kg	coming soon
Casting dimensions max.	∅ 900 x 600 mm	∅ 1,400 x 885 mm	∅ 2,200 x 885 mm
Weight of casting and device max.	up to 250 kg	up to 600 kg	up to 1,000 kg
Total power	10 kW main + 3 kW additional spindle (optional main spindle with 26 kW)	2 x 38 kW main spindle + 9 kW additional spindle	

*non-binding preliminary information

AUTOMATIC GRINDING « Made in Germany »

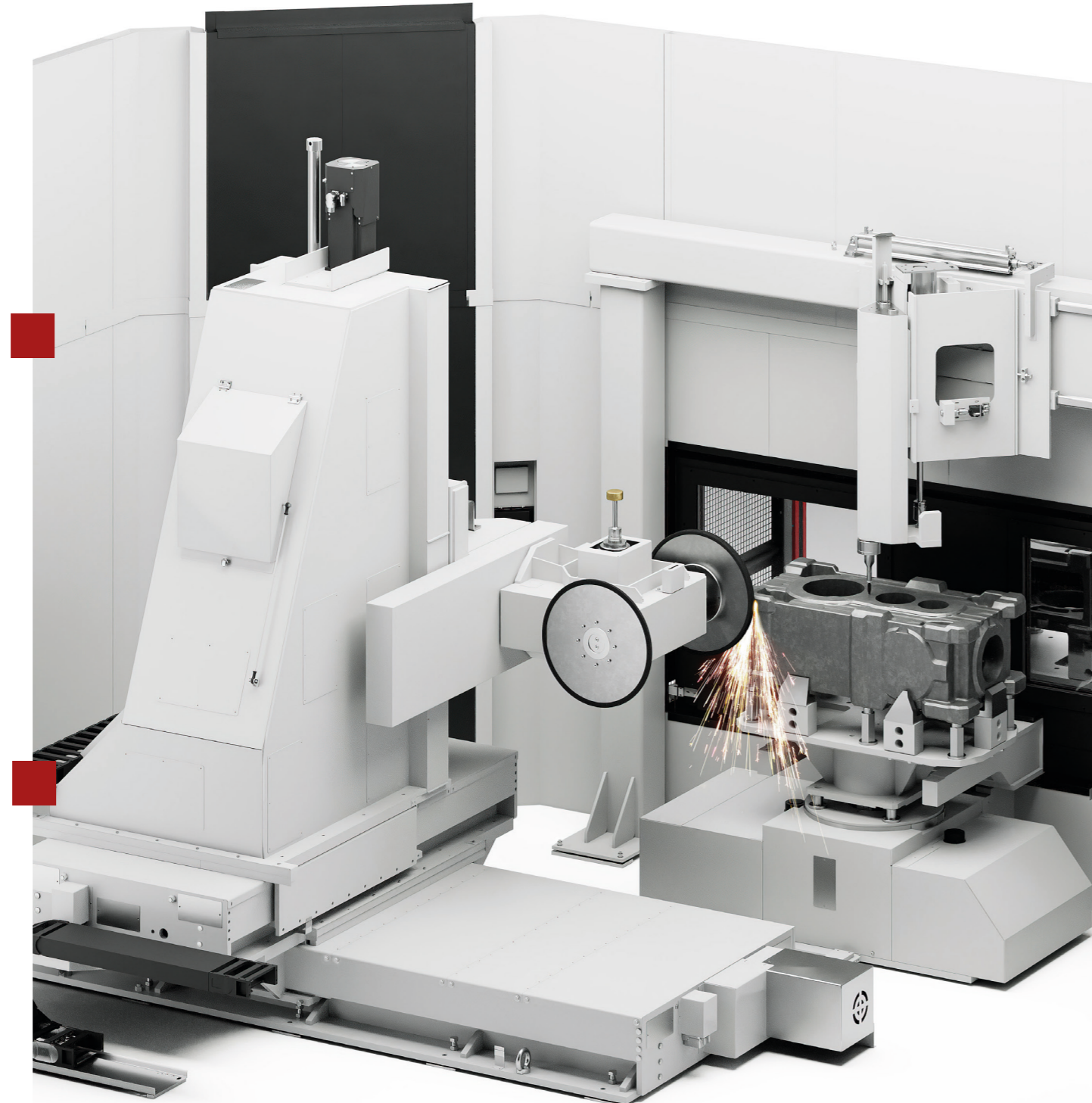
THE POWERFUL.

As the „big brother“ of the Maus 600 and 900, the MAUS 1400 offers an **even higher power density** with a machining area for large and heavy castings weighing up to 600 kg and 1400 mm in diameter. The Maus 1400 grinding center has up to three tools without the need for time-consuming tool changes, enabling extremely flexible machining.

With the MAUS 1400 you can grind a wide range of castings made of **iron, steel, brass, copper or aluminum**.

REICHMANN - RELIABLE & COMPETENT PARTNER.

With us, you get everything from a single source - turnkey „Made in Germany“. We accompany you from **consulting** and **process analysis** through **development** and **implementation** to **after sales**. Best production results from the first day guarantee a **fast amortization**. You can rely on it.



STRESS FREE OPERATION - IN EVERY DETAIL

OPTIMAL OPERATOR PROTECTION.

To protect your employees, we implement the workspace enclosure with **sound-absorbing measures** as standard.

LOADING MADE EASY.

The light barrier solution offers optimal conditions and accessibility for **crane loading**. This facilitates the loading of heavy castings.

Whether by crane or robot, the Maus 1400 is **ready for interlinking** and already has all interfaces (e.g. PROFIsafe) on board.

SMOOTH OPERATION.

The **automatic lubrication systems** reduce maintenance work to an absolute minimum. This allows your employees to concentrate on the important things and you benefit from low downtimes.

CLEAN SURROUNDINGS.

With the MAUS 1400, chips are removed via **chip boxes** or optionally via an **integrated chip conveyor**.

Dust is extracted centrally in the machining area.



MAUS 1400 TL



PROGRAMMING SIMPLIFIED.

Without prior knowledge the new Beckhoff control system offers a **finished program in a few hours.**

Complex machining programs are created and optimized directly in the work area with the **pre-installed function favourites.** The Windows 10-based control can be operated intuitively and offers the best conditions for diagnosis, support and networking.

ALWAYS ONE STEP AHEAD.

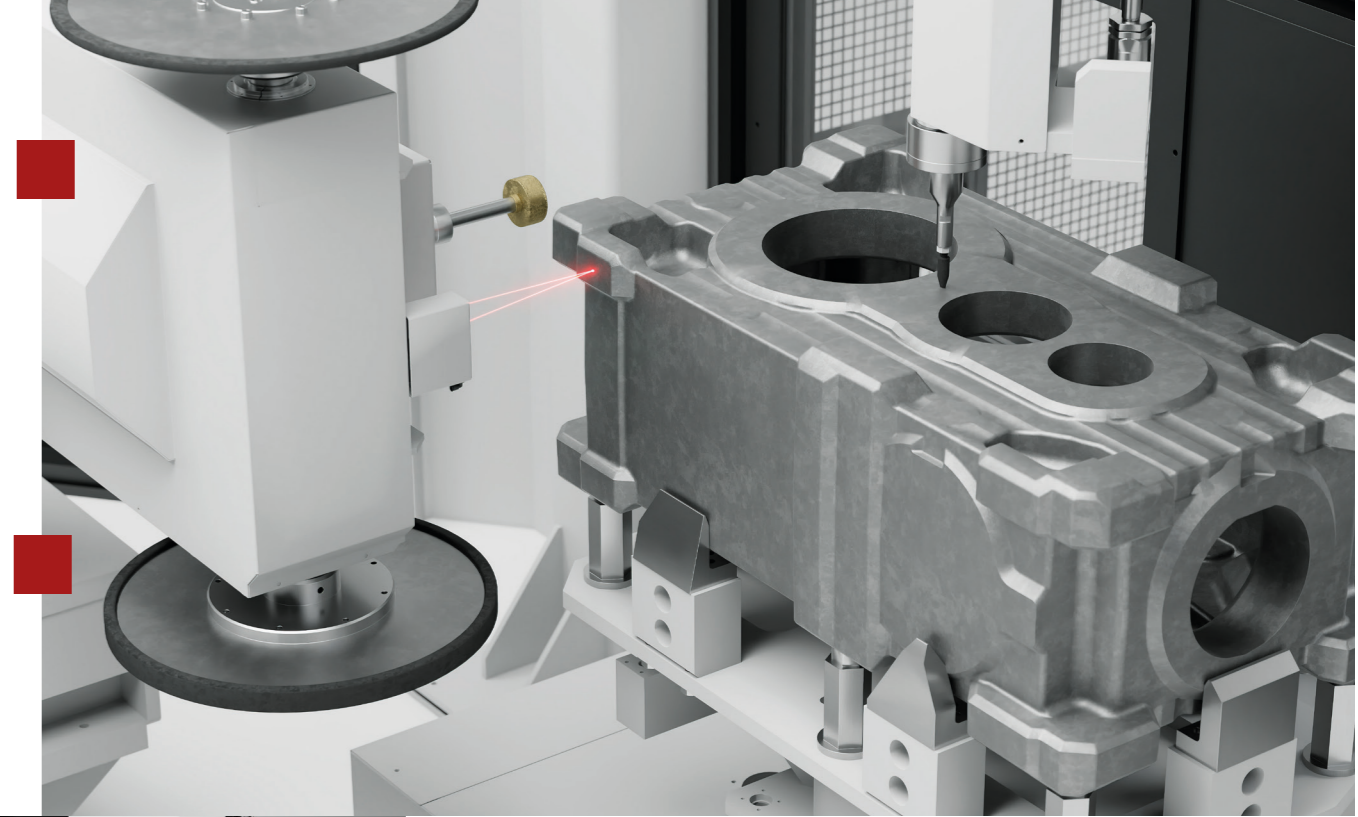
“Industry 4.0 / IIoT (Industrial Internet of Things) ready”: Through targeted collection, evaluation and integration of data (e.g. motor currents), downtimes can be identified and specifically planned before they occur. This increases your productivity and reduces costs.

QUALITY AT THE HIGHEST LEVEL.

The optional **laser measurement system detects batch variations or features** and automatically adjusts the machining process to ensure high quality and to extend the service life of the tools.

SAFETY IN THE MACHINING PROCESS.

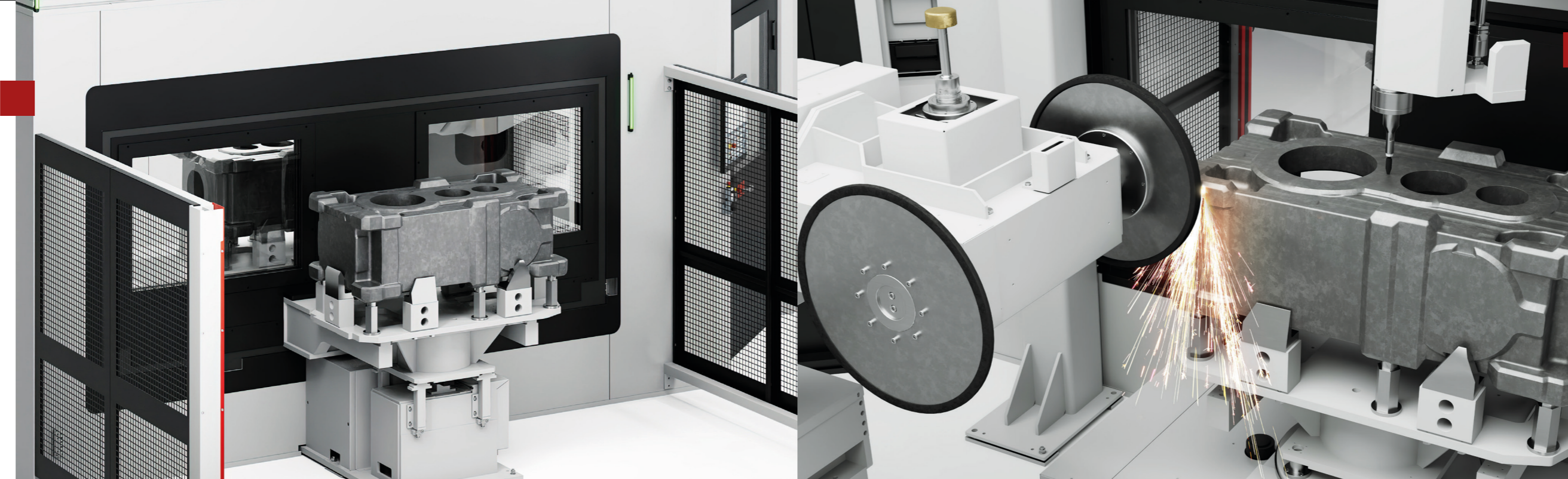
With the optional **clamping stroke and clamping pressure monitoring,** the workpieces remain safely under control during machining.



NEW DEVICE IN NO TIME.

Quickly build a suitable casting fixture with the new **standardised fixture interface.** Optionally **active clamping fixtures and customised solutions** are available on request.

On-going after sales technical support with future grinding tasks, fixture creation and sequence programming.



ECONOMICAL EVEN WITH SMALLEST BATCH SIZES.

The simplest programming and fixture creation ensures **minimal set-up times** for a new casting.

Increased flexibility, time and cost savings: The machines with pallet changers automatically select the relevant machining program for different cast parts in a **mixed operation.** Despite the pallet changer, only one device per cast part is required, thus saving time and money.

Two 38 kW main spindles and an optional **9 kW additional spindle** with a wide range of tools are available for machining. With the optimally dimensioned spindle power, you benefit from high energy efficiency and reduced cycle times. Optionally, the Maus 1400 is offered with a **tool changer** for the main and/or additional spindle, which enables particularly flexible machining.

R