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**news**

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# Manufacturing systems for chucked components.

soft and hard turning, gear cutting

turning, drilling, mating, laser welding

laser welding

soft and hard turning, gear cutting

**Machining chucked components** on the vertical pick-up machines VL, VSC and VLC. Machines and manufacturing systems for turning or – in a combination of different processes – for soft and hard machining. The machine designs are ideally suited to the configuration of optimal production cycles for your workpieces. It allows us to reduce the number of setups and thus your production costs. Highly productive, but still flexible. The highlight: every machine includes automation and component storage.

turning, gear cutting

turning, drilling, balancing

turning, gear cutting, threading

laser welding, hard turning, grinding

turning, drilling, plunge slotting, fine boring, pinhole drilling, oval turning (external)

soft and hard turning, gear cutting, grinding

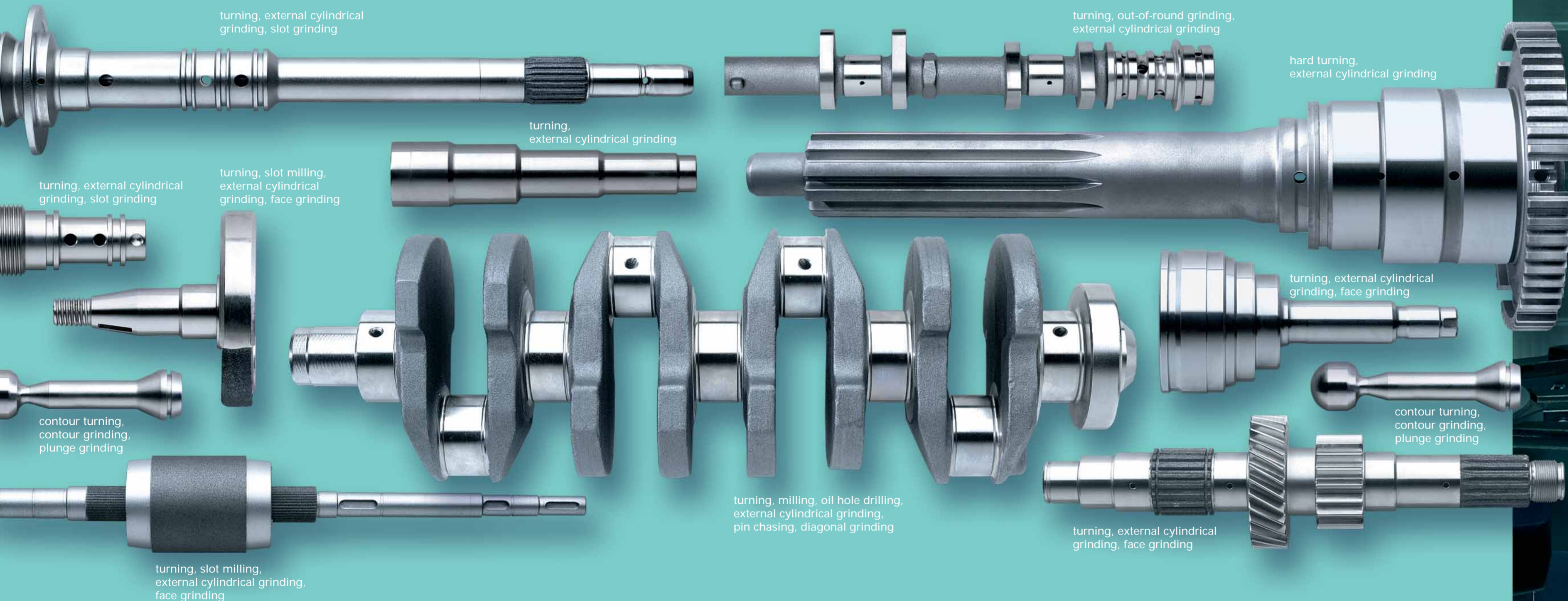
turning, window milling

turning, drilling, threading

turning



# Manufacturing systems for shaft components.






**Machining shaft components.** The best manufacturing solution for every shaft-type component. Everything from a single source.

The EMAG Group technology centres are specialists in the soft and hard machining process stream. The multi-functionality of our manufacturing systems helps you to reduce the number of setups and to cut your production costs. The VTC and HSC machines and manufacturing systems are highly efficient and very flexible – automation and component storage included.

External cylindrical grinding and cam and crankshaft machining of the highest quality on HG, SN and PM machines.




Here is where to find the EMAG Group at EMO:

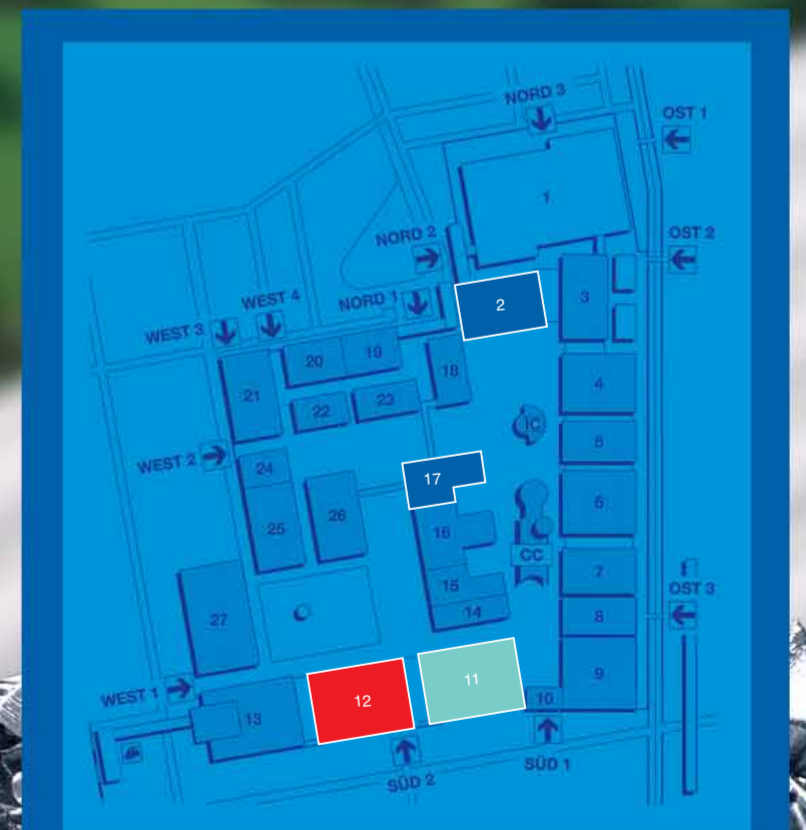
   EMAG Group  
Hall: 017, Stand: C33

SW  
Hall: 012, Stand: D47

 NAXOS-UNION  
KARSTENS  
REINECKER  
KOPP  
Hall: 011, Stand: B52

 KOEPFER  
Hall: 002, Stand: B44

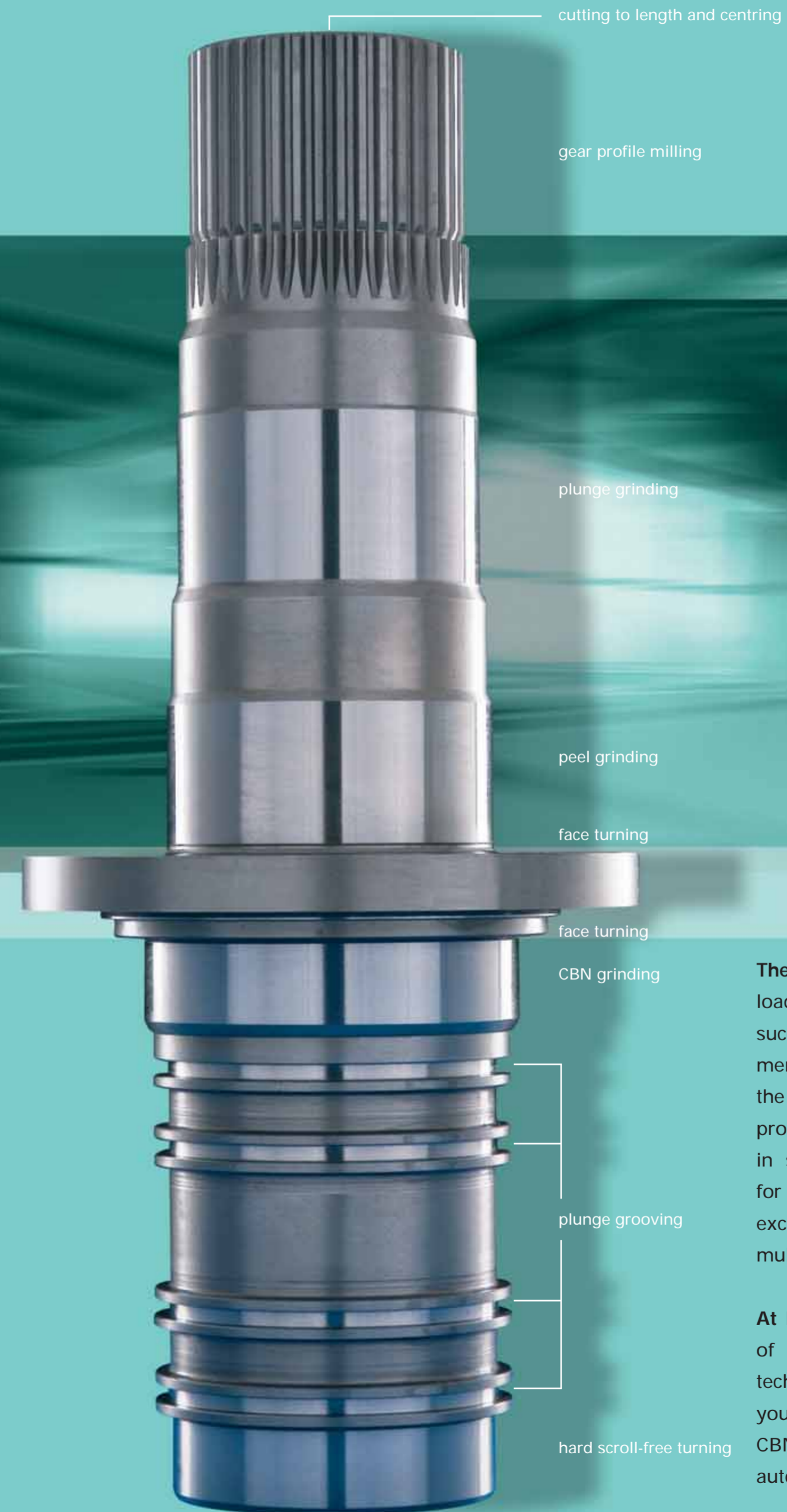
EMAG Group at EMO.  
Innovations in metal cutting technology.  
You are most welcome to visit us.



Multifunctional – ready to face the future.

Hard turning, scroll-free turning, CBN grinding.

# VTC 315DS

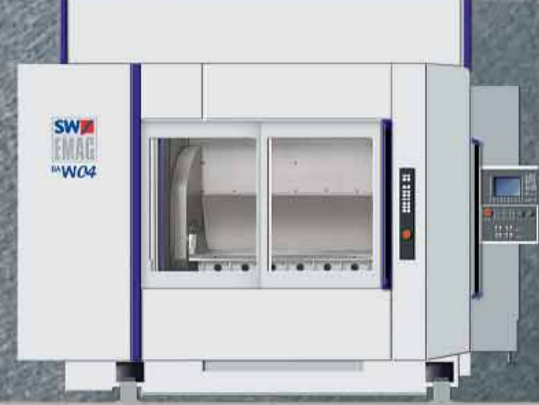


The VTC, introduced at the last EMO as a self-loading shaft turning machine, has since found successful employment in production environments across the globe. In the intervening years the machine has been developed into a high-productivity manufacturing system. Available in single- or twin-spindle versions, equipped for 4- or 6-axis simultaneous machining, this exceptional design distinguishes itself by its multi-functional capability.

**At EMO for the first time:** the hard machining of shafts using a combination of different technologies. The best production process for your workpiece. Hard turning, scroll-free turning, CBN grinding. And, as always with EMAG: automation and component storage included.

# Manufacturing systems for prismatic components.

Worldwide partner in innovative manufacturing processes.



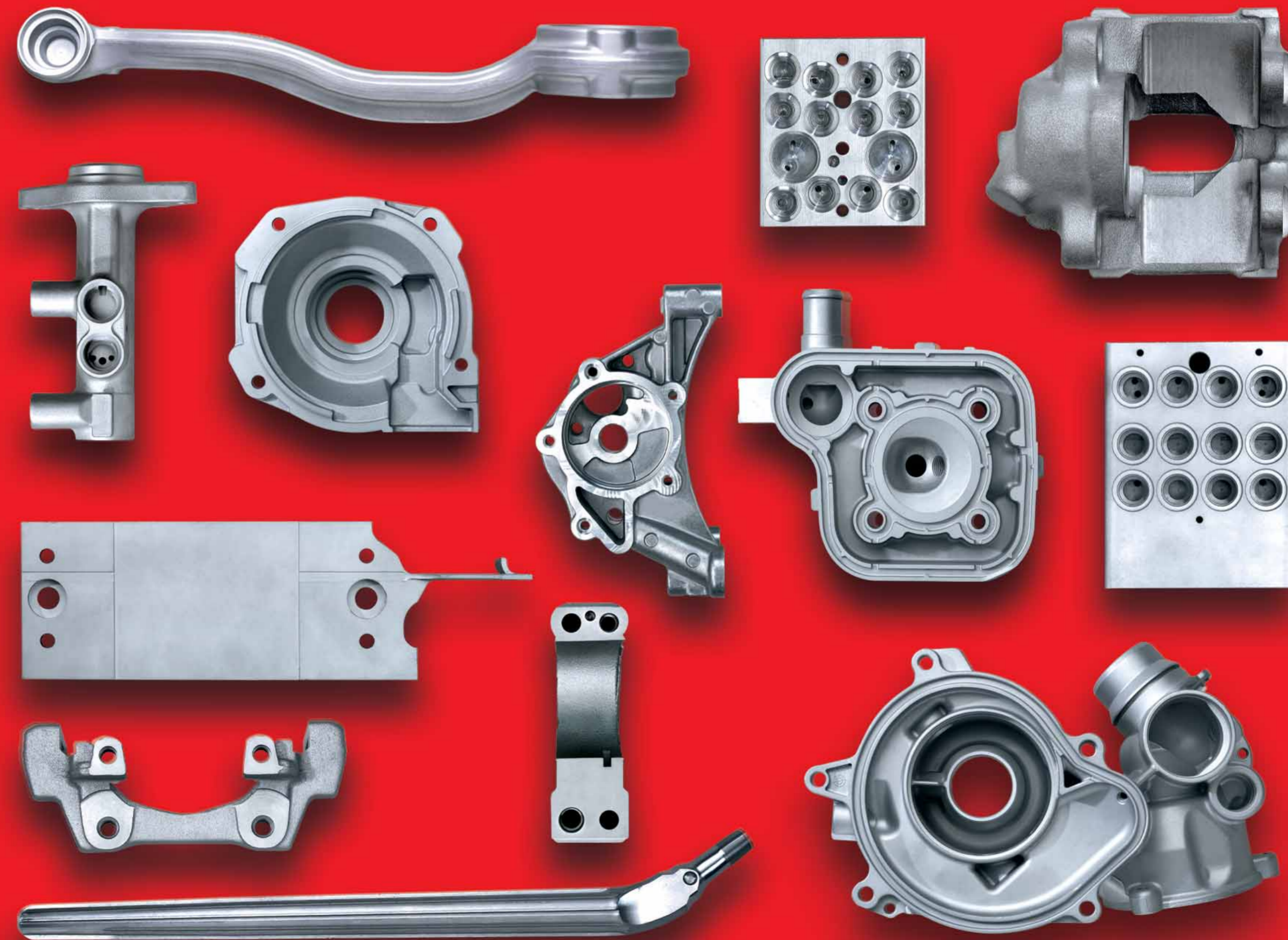
Machining prismatic components. With one, two or four spindles or with drilling heads. We shall work out the tools, suitable workholding equipment, the most favourable machining cycle and the optimal NC program – in short, an exceptional manufacturing solution to suit your requirements. Including flow process and feasibility studies. Production and process integrity from the word go. Our technology centres work out new processes and tooling layouts every day – and that includes your work-piece.

## SW machining centers for light machining:

- BA S03
- BA W04
- BA W06

## SW machining centers for heavy machining:

- BA 321
- BA 400
- BA 600
- BM 1250



- milling
- drilling
- threading
- boring
- O/D turning
- interpolation
- deep-hole drilling
- circular plunge turning
- thread cutting
- thread forming
- thread milling
- roller-burnishing
- reaming
- sawing



THE EMAG GROUP – WORLD-WIDE PARTNER  
IN FORWARD LOOKING PRODUCTION TECHNIQUES

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