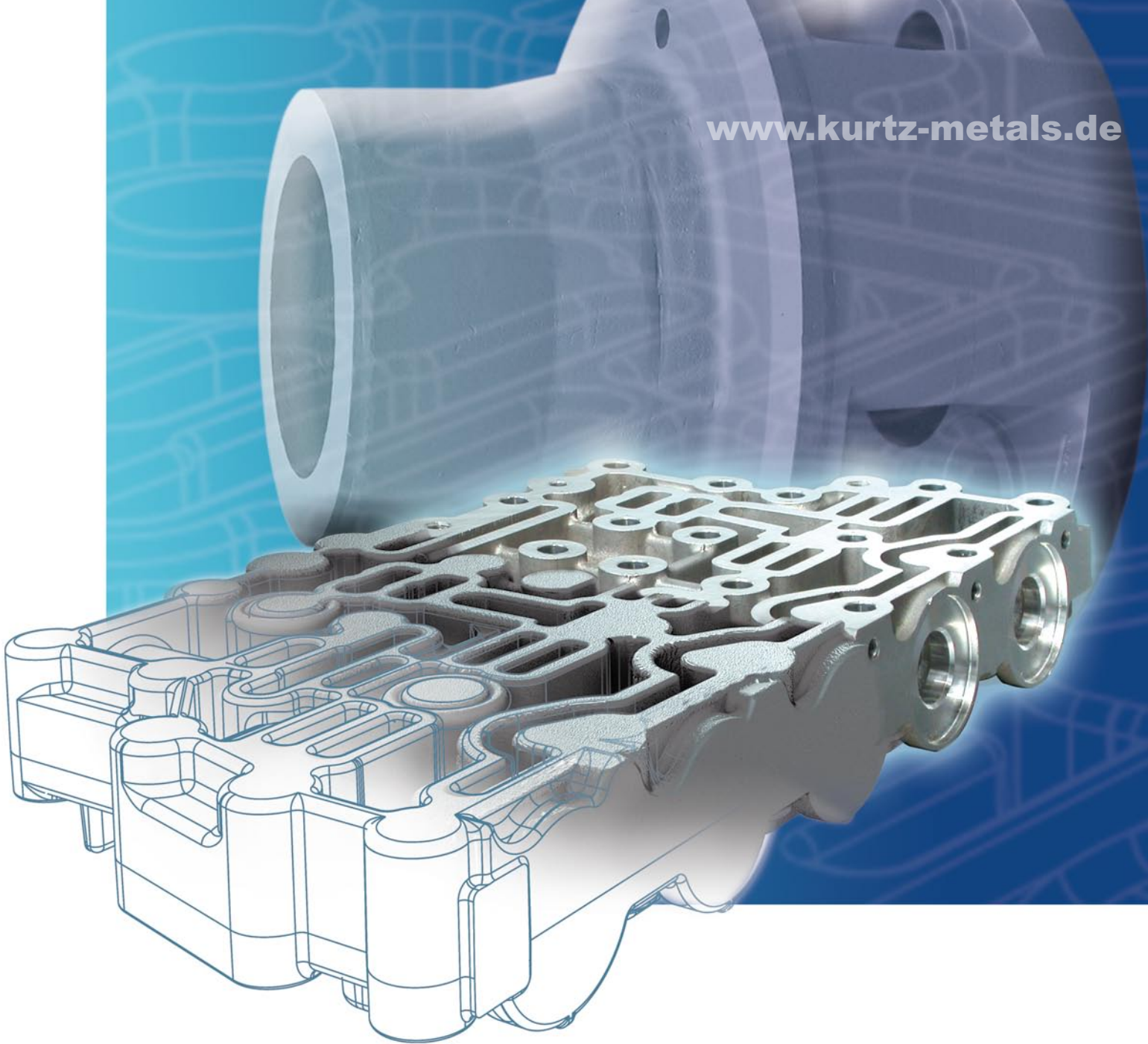


www.kurtz-metals.de



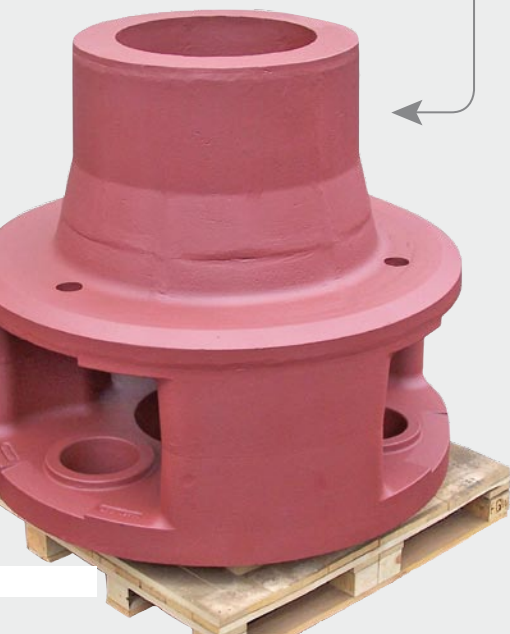
We Give Shape to Ideas
Foundry Products by KURTZ

Your partner

for casting issues



Planetary carrier
GJS 600 / 4,100 kg



The product range of the Kurtz METALS business segment comprises castings made of iron and aluminium, machining as well as sheet metal technology.

Two foundries at KURTZ manufacture sophisticated mechanical engineering components as well as engine, transmission and suspension parts and vacuum and hydraulic castings.

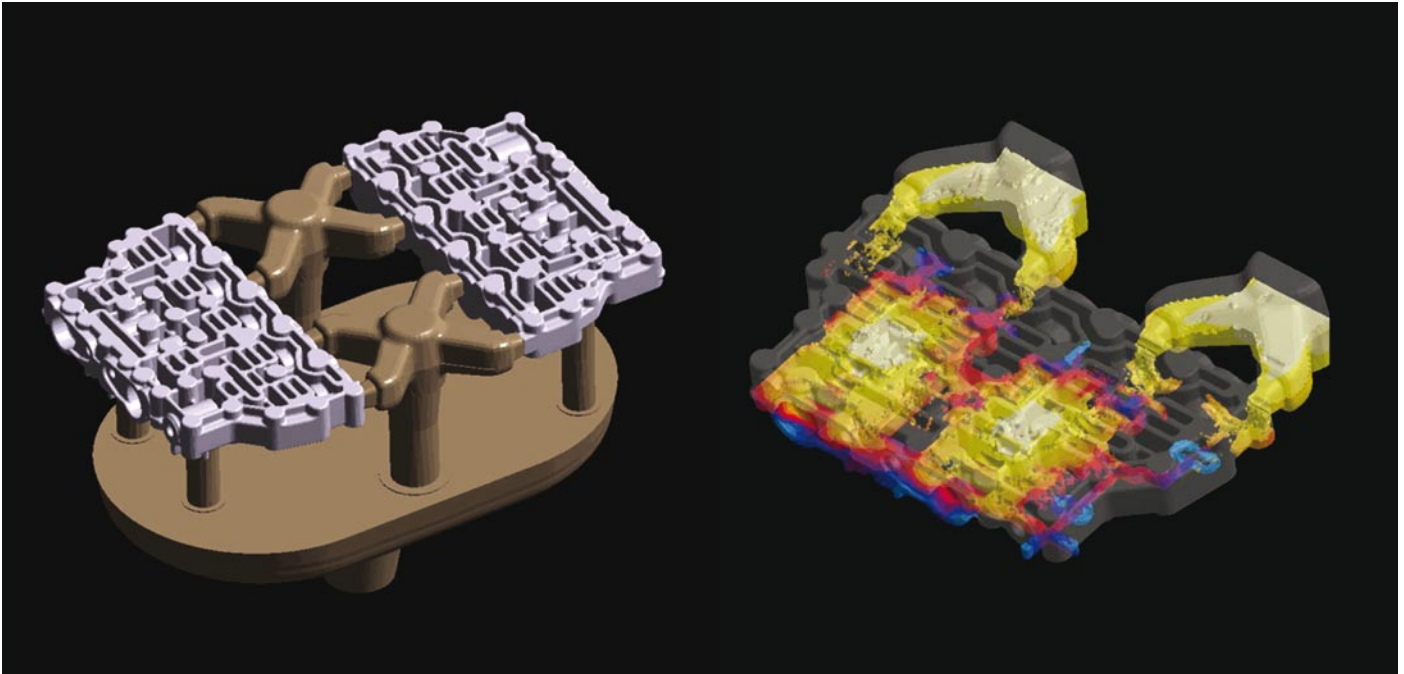
Due to the experience gained in decades and an extensive know-how on casting processes and alloys, the KURTZ foundries realize even most complex parts. Take advantage of the KURTZ service already during part development and benefit from the full product range also comprising the supply of finished and coated components which are ready to be installed in your system.

Certified in accordance with the ISO 9001:2000 and admissions, e. g. of the German Lloyd, Railway or TÜV (Technical Inspection Authority) certification for pressure tanks, evidence our capability for high-quality products.



Value analysis

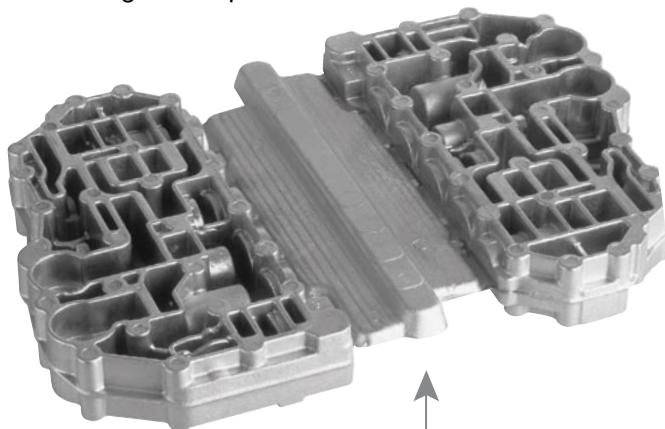
starts in the design department



The designing engineers of the KURTZ design department work with the 3D-system Unigraphics and provide FEM calculations.

By means of modern casting simulations a realistic demonstration of how the part behaves during the casting process and freezing is possible.

In this way problematic spots can be located and removed long before production is started.



Valve block for automatic gearbox



KURTZ provides support already in part development incl. design if desired.

Based on the results obtained during simulation moulds and models are produced with modern equipment in the KURTZ model workshop and mould maker shop.

Product development and project management from the design to the production of samples make your casting ready for mass production within only a short time.

Grey & graphite iron

GJL 200-300, GJS 400-800 up to ADI-quality, 20,000 t melting capacity



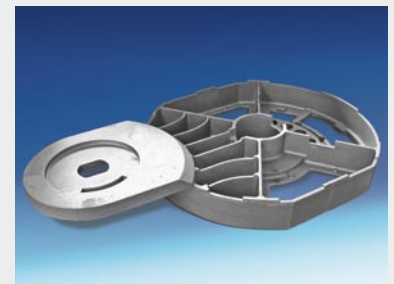
Machine moulded parts

0.3 kg to 60 kg
760 x 580 x 250/250 mm



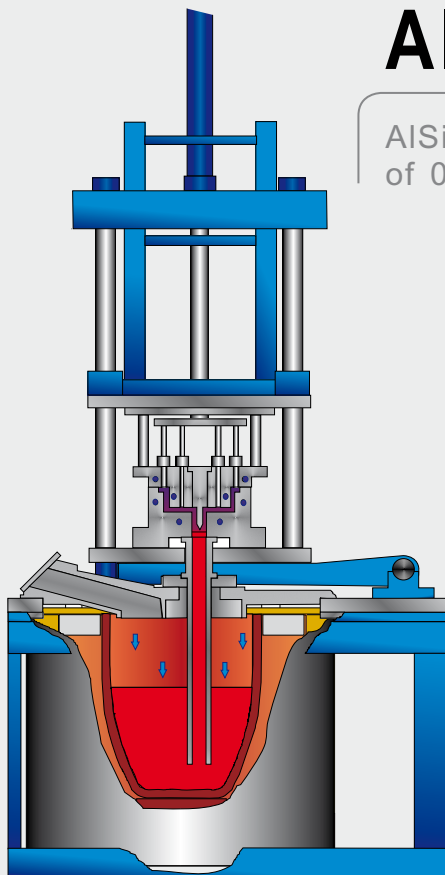
Hand moulded parts

300 kg to 5 t
and 5,000 mm length



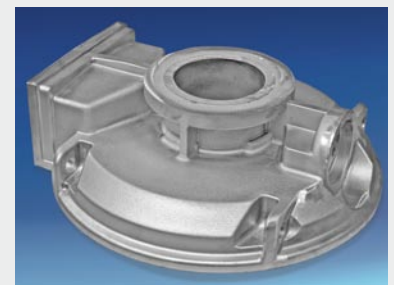
Aluminium die casting

AlSi-, AlMg-, AlCu- and self-hardening alloys
of 0.05 kg to 100 kg



10 low-pressure casting machines

for the production of parts meeting highest requirements with regard to strength and expansion properties, pressure tightness and weldability



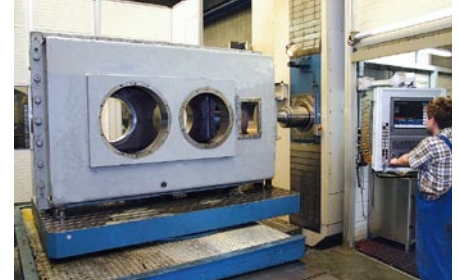
CNC-machining

and final parts assembly



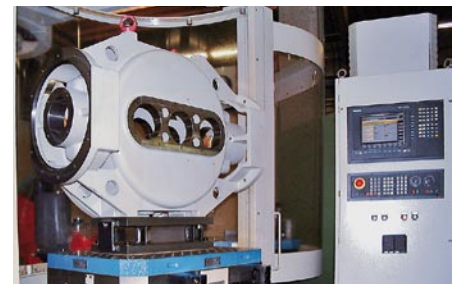
Small parts machining

up to 1,200 mm
26 machining centres
plus turning lathes



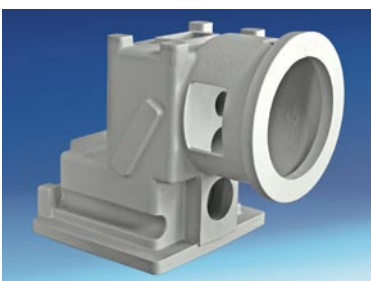
Great part machining

up to 10,000 mm
8 machining centres
3 boring mills



Quality assurance

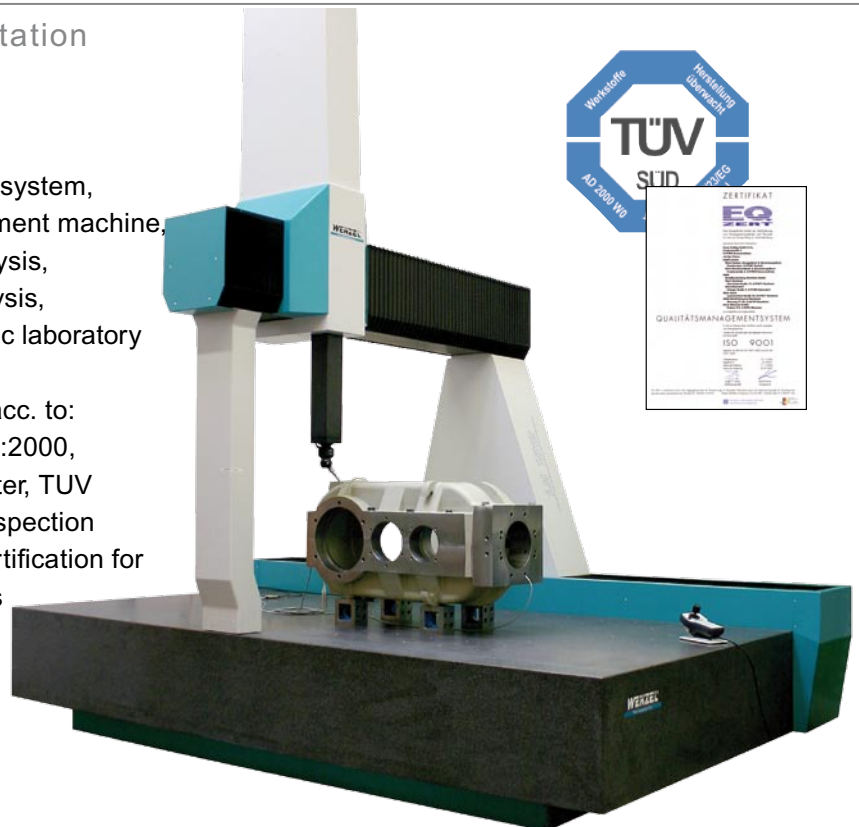
and documentation



160 kV x-ray system,
3D-measurement machine,
spectral analysis,
thermal analysis,
metallographic laboratory



Certificated acc. to:
DIN EN 9001:2000,
Lloyds Register, TÜV
(Technical Inspection
Authority) certification for
pressure tanks
and welding
certificate



Your innovative supplier

of a complete system

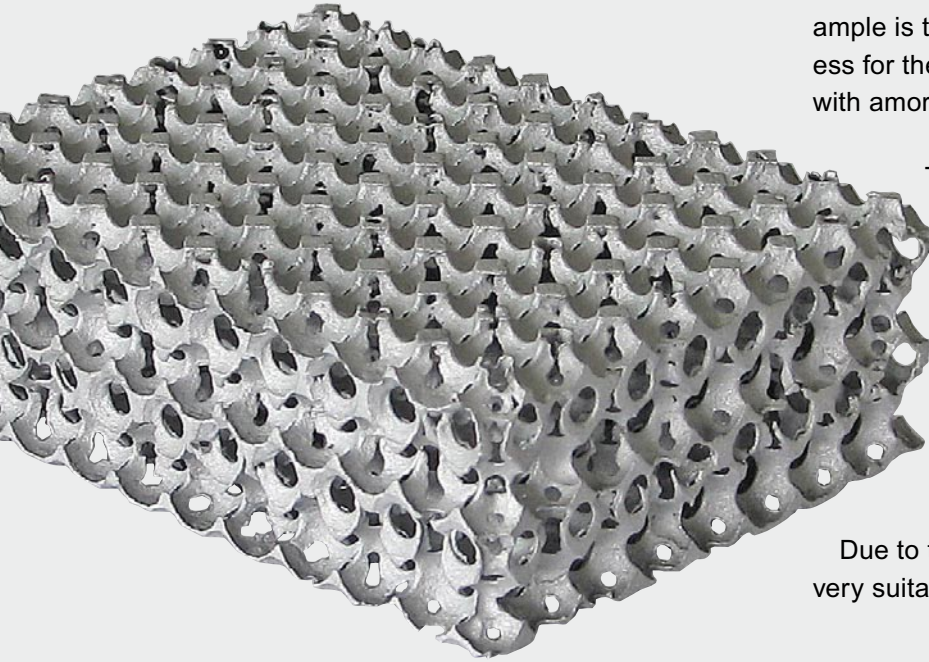
Progress and development are not strangers to KURTZ, but fine traditions that are kept alive every day. One example is the recently developed and patented new process for the production of open-pored metal foam castings with amorphous or regular lattice structure.

The pore size can be defined and thus the castings become designable and calculable.

Parts made of metal foam are very rigid and very light at the same time which makes them an ideal basis for lightweight components.

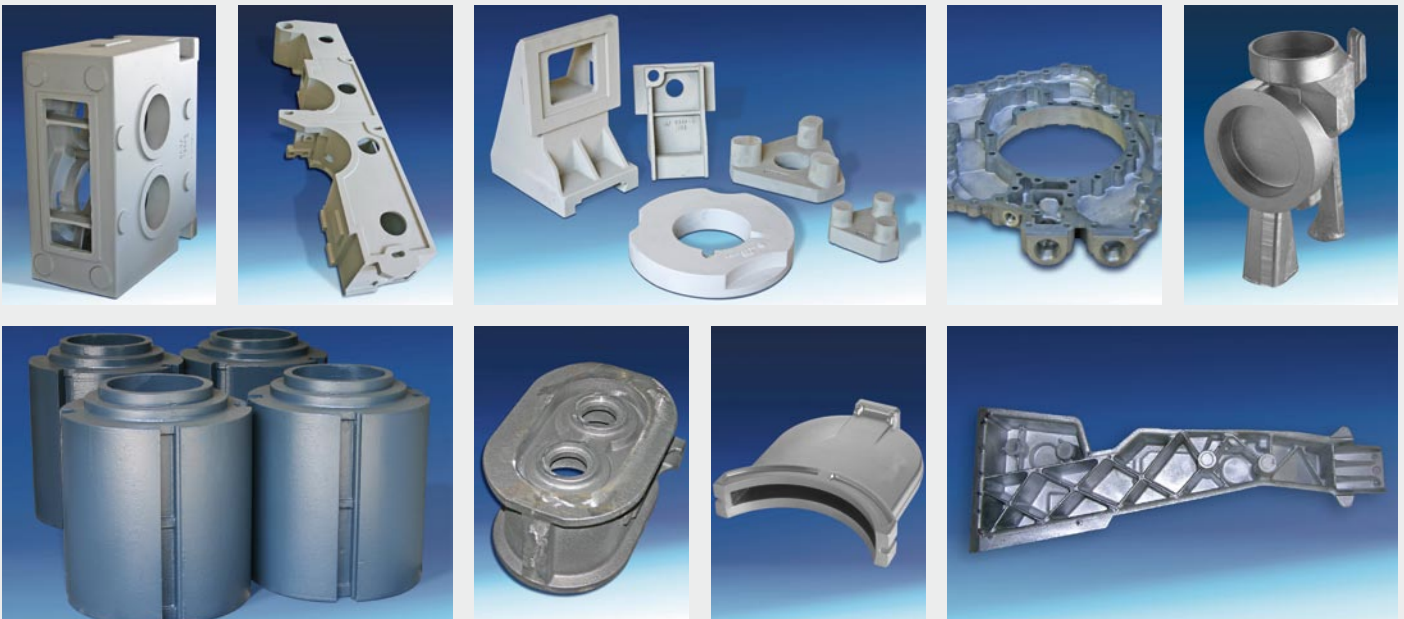
Further interesting characteristics are the energy and sound absorbent properties.

Due to the open-pored structure, this cast part is also very suitable for all types of heat exchangers.



Precise & flexible

castings according to customers' requirements



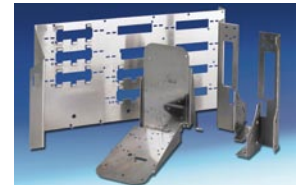
Scope of supply

Kurtz METALS product range

Production / sales locations	KURTZ Hasloch	KURTZ Wiebelbach	KFT Hasloch	MBW Wertheim/Baiersdorf
Castings				
Engineering services	●	●		●
Aluminium casting		●		
Grey cast-iron	●			
Nodular cast-iron	●			
Sheet metal technology				
Engineering services				●
Laser cutting				●
Punching/nibbling				●
Bending				●
Weldments		●		●
Assemblies		●		●
Machining				
CNC-drilling		●	●	●
CNC-milling		●	●	●
CNC-turning		●	●	●
Planeing		●		
Measuring		●	●	●
Surface treatment				
Laquering/powder coating	●	●		●
Galvanizing				●
Laser inscription				●
Screen-printing				●
Tool/model making				
Model workshop	●			
Mould maker shop		●		



Aluminium, grey iron and graphite iron castings



Sheet technology at the highest stage



Machining with state-of-the-art machines



High-quality surface treatment



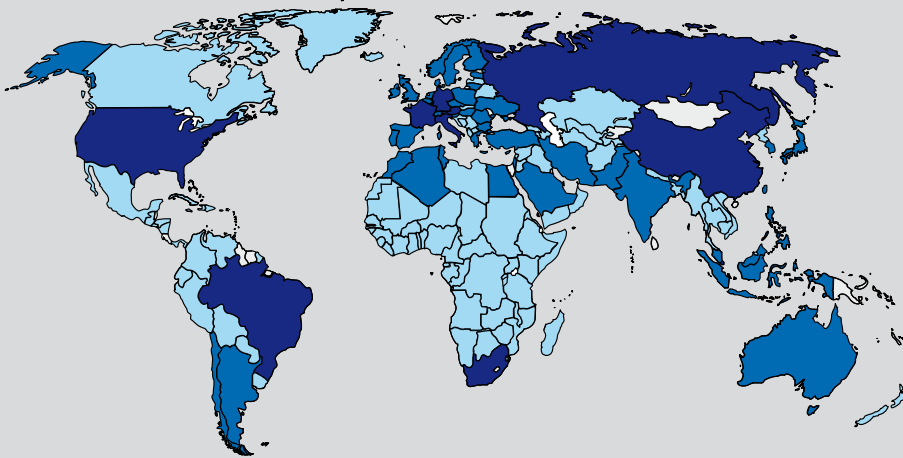
Efficient tool / model making

Foundry machines

“From Foundryman For Foundrymen”

For more than 20 years KURTZ has been manufacturing low-pressure casting machines for aluminium and magnesium alloys. Low-pressure casting in sand, ceramic and plaster moulds as well as in metal dies has developed enormously during the past years providing a wide range of potentials. The application spectrum of KURTZ machines reaches from rapid-prototyping to serial casting up to customized systems and complete solutions for serial and mass production.





The World is Kurtz
Present in 135 countries

■ Production plants / subsidiaries
■ Local agents
■ Other presence

www.kurtz.info

The Kurtz Group is a traditional, family-owned German company. Founded as iron hammer works in 1779 in Hasloch in Spessart, the Kurtz Group has developed into an internationally operating conglomerate.

The product range is classified into the business segments METALS, ELECTRONICS, PLASTICS and SERVICES. Our core focus is on business areas where we can prove to be „Best-in-Class“ as compared to third parties. As a result Kurtz is technological or world market leader in many fields.

Kurtz METALS

KURTZ Foundry Products

Aluminium foundry in Wiebelbach
Aluminium die casting up to 100 kg

Iron foundry in Hasloch
Grey/graphite iron casting up to 5 t

KURTZ GmbH

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Fax +49 (0) 9342 805-179
info@kurtz.de

Machining

KURTZ Fertigungstechnik GmbH & Co KG
KURTZ GmbH

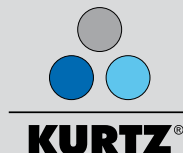
Sheet Metal Technology

MBW Metallbearbeitung Wertheim GmbH

Foundry Machines

KURTZ GmbH, Kreuzwertheim

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