



Material, blanks and service –
Everything has to be perfect.

I count on AMCO.



EMCO

Willkommen bei
EMCO



When metal and service shine.

„Quality starts by giving the customer's thinking the highest priority.“

Dear customer,

Are you on the lookout for quality semi-finished products made of aluminium, brass, copper or bronze? Are you looking for a supplier that can produce cast plates and blocks in the shortest times?

Do you need CNC machining sections made according to precision specifications?

As a family company with around 220 employees we will personally meet your wishes. To do this we have a particularly wide range in stock of over 5,000 tonnes guaranteeing you excellent goods availability. We supply all parts tailored to your needs and flexibly adjust to your lot sizes.

At AMCO you can count on state-of-the-art machinery and well-founded know-how of the sector.

In short: as a reliable all-round supplier and partner, we will make your procurement as well as your

processing of non-ferrous metals as easy as possible – even if challenges measured in tonnes come up.

With our new corporate motto “When metal and service shine” we are setting our own bar for excellent quality and first class customer orientation even higher. In doing so, our fair conditions and the unbeatable specialist knowledge of our employees provide the finishing touch. Many market leaders and medium sized companies from the most varied sectors already place their trust in AMCO. When can we shine for you?

Yours faithfully

M. Krämer

Directors AMCO Metall-Service GmbH

J. H. Schmidt

Discover our strong sides.

Distribution

Everything on stock:
5000 tons of semi-finished
non-ferrous metals.

Cast Alu

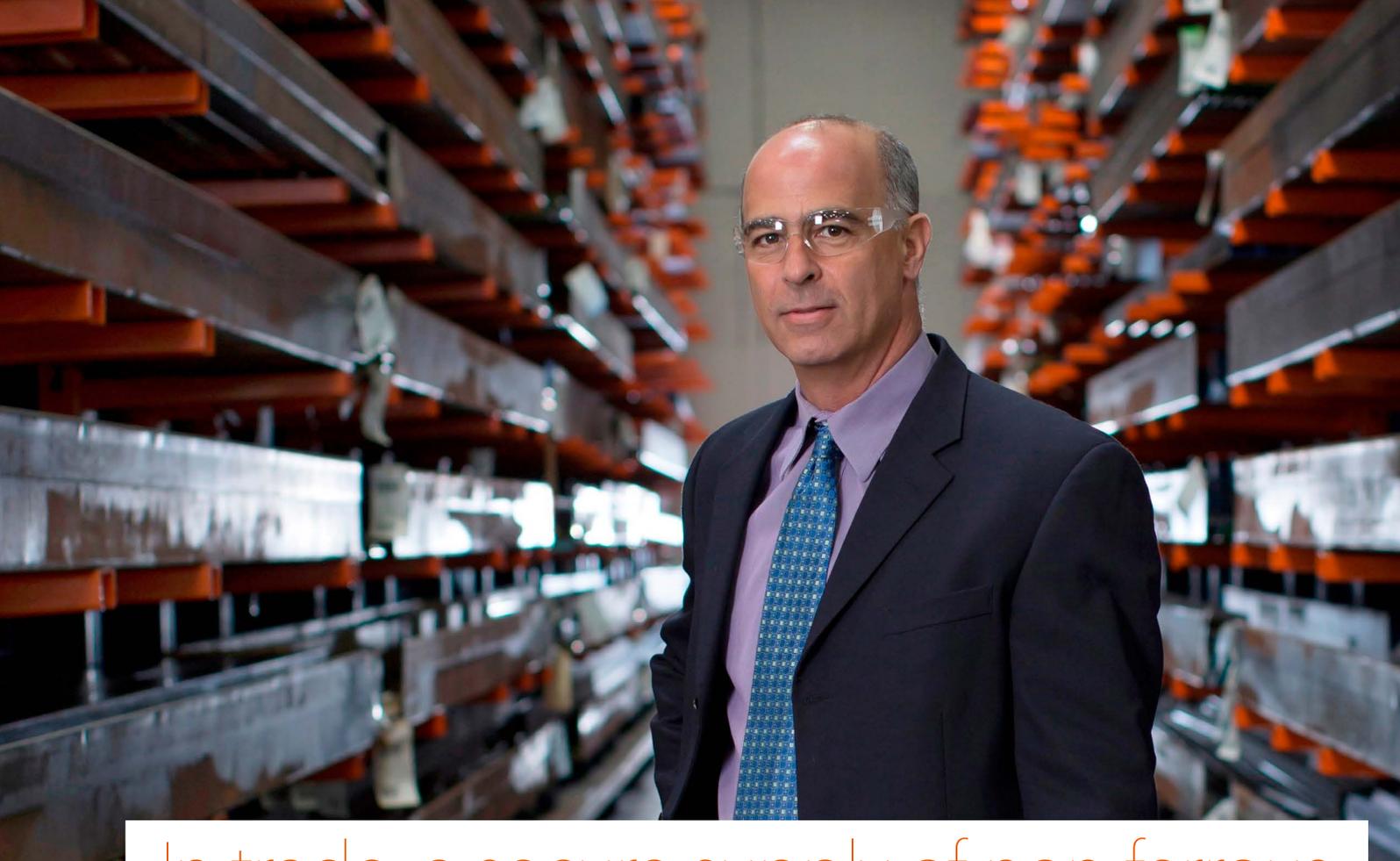
We produce aluminum cast
plates and blocks according
to your specifications.

Processing

Sawing, drilling, milling and
much more. Your wishes are
our benchmark.

Contact

There are many ways to
AMCO and to your success.



In trade, a secure supply of non-ferrous metals is worth its weight in gold.

I count on AMCO.

Welcome to the specialists for smooth processes and high quality products.

04

We constantly look for the shortest way to communicate with our customers. Because only with close personal customer care, we are able to react to your needs or solve problems before they take shape. You always have your personal contact in all your needs – starting from the order right down to the bill. This doesn't just make things easier, it also keeps everything at top speed starting with orders going right down to our wide range of products and services.

But that's not all. We are always streamlining our technical organisation across all departments with our digital operation efficiency project. That enables us to react on customer needs with even faster and more reliable processes. We keep our processes and equipment automated and state-of-the-art wherever we can.

Process acceleration, blank optimization and transparency boosting – we are constantly reinventing ourselves.

Every employee knows at all times exactly the inventory – and whether your order is already on its way to you.



Faster, more efficient and more innovative – our new high-rack warehouse guarantees maximum delivery quality.

We are showing what metal trading is all about with our new high-rack warehouse and warehouse management control system. The fully automatic warehouse is more than 12 meters high. That means that it has space for 3,000 cassettes that can be ordered in no time at all thanks to its extreme lifting and driving speeds. Its state-of-the-art shelf operating system streamlines storage and commissioning, which produces a much faster and smoother flow of goods. Finally, three issuing and directly connected packaging stations ensure short processes and perfect protection for further transport. Of course, the best equipment only works if it is operated right. This is why our employees are directly trained by the warehouse producer on a regular basis so that they get the most out of our modern system for our customers.



Custom-made machines for individualised blanks

Individualised solutions call for custom-made tools that are beyond any standard. This is the only way we can maintain our reputation as a high-performance supplier. Here's an example: when we received numerous requests for blanks of cast-round-bars of over 400 mm

diameter, we reacted to the trend for large diameters. Therefore, we developed in cooperation with a technology leader in the field of bandsaws a high-performance bandsaw that is unique on the market.

A full product range is our secret of success

AL

The easy way to customer satisfaction: in aluminium we offer sheets, plates, bars, cast round-bars, standard/special profiles and cast plates (sawed and/or milled).

Cu

Good as gold: we keep sheets, plates, bars and standard profiles made of copper on stock for you.

CuZn

A brilliant spectrum: in brass we stock sheets, plates, bars and standard profiles

CuSn

Award-winning: our high-quality sheets, round bars made of bronze.



Cast aluminum is a high-tension topic as long as it's low-tension.

I count on AMCO.

Haute couture made of aluminium: Our aluminium cast plates will convince you with inner and outer values.

06

Cast aluminium has an almost unlimited range of applications with its excellent machining qualities and major corrosion resistance.

In the final analysis, cast aluminium is also convincing

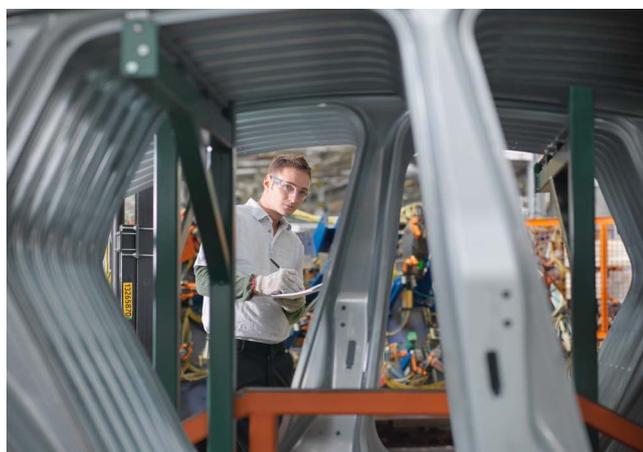
with its enormous savings over rolled products.

You get low-tension precision blanks and fair prices from us – with our cast aluminium plates & blocks of the alloy EN AW-5083 (AL Mg 4.5 Mn).



Our manufacturing process: for outstanding material properties of a truly miraculous product

You've got to get the base material right – that's the only way we can deliver perfect quality. This is why we choose our suppliers based on the strictest criteria - and we check the supplied ingots precisely for hydrogen content and inclusions. Beyond this, AMCO sets great store by all of our business partners working with certified heat treating companies. Our hardness tests for our suppliers and materials mean we make sure that all of the ingots delivered are low tension and have outstanding micro-structures, excellent strength and machining properties. This is the only way they are perfectly suited to blanks according to your specifications and applications.



Everything in top form - thanks to first-class machining properties

Leading mould designers put their trust in AMCO's precision and quality. After all, our sawed aluminium blocks are not only extraordinarily easy to machine. They can also be used in a wide variety of applications. For instance, premium producers in car manufacturing take advantage of moulds from AMCO's product line for an extensive variety of purposes ranging from building prototypes right down to series production. Everything has its perfect form.

Unbeatable: Our cast plates

07

Tensile Strength R_m [Mpa]

250 - 275

Yield Strength $R_{p0,2}$ [Mpa]

115 - 125

Elongation A [%]

10 - 15

Hardness

68 - 75



Precision in mechanical engineering isn't a problem. It's a must.

I count on AMCO.

Whether it's sawing or milling- our solutions are always precisely tailor to our customers' specifications.

08

It's not only a challenge for AMCO – it is our passion to supply the highest level of custom-made work. It doesn't matter whether they are standard formats, special products, individual pieces or series production – we always saw or mill at the highest level of precision. The foundation for efficient production is the progressive technology of our large and modern machine park. We are constantly expanding our production expertise. This is why no less than the world's largest production robot has been doing heavy-duty work at AMCO since September of 2014. At 1,350 kilograms of load carrying capacity, it is the strongest of our team players. But it's our employees' expertise that is the greatest quality factor. You will only encounter genuine metal experts at AMCO. They know their field inside out and will win your confidence with their sound knowledge of the subject. That's no wonder because they've been

with the company for years, they get regular advanced training and are kept up-to-date with the latest market data. That ensures them to delve into the science of milling for greater average expertise.



Quality and reliability for the technologies of the future

Wind turbines are exposed to all kinds of weather. At the same time, they have to guarantee maximum energy yield without breaking down. On top of that, the noise emissions have to be as low as possible. In other words, every detail has to be just right. This is the reason why leading manufacturers of state-of-the-art wind power plants put their trust in AMCO.

We supply a product portfolio that is just as comprehensive as it is reliable – from trade goods right down to assembly units in small- and large-scale series. We also have just the right product for solar energy plants. After all, every dimension has got to be right and the material has to keep for years.



Mega quality for a mega yacht!

We supply first-class materials for the leading shipbuilding companies – and we supply them with world-class non-ferrous metal products for yachts and cruise ships. This is how we produced high-grade window supports for one of the biggest private yachts in the world made of machined special profiles and aluminium plates.

What we've got reflects what our customers need

Blanks

Fits like a glove: our modern saws supply perfect blanks – fast, precise and on time.

CNC-Processing

Hard made easy: you get pre-finished components, all of which were produced on modern CNC-Processing centres.

Processing

Professional preparation: we offer aluminium welding constructions according to your specifications and in conformity with DIN EN ISO 3834.

Surfaces

Quality that goes beneath the surface: our select partner companies supply high-quality anodising, painting and powder-coating as required.



I need complete confidence in my supplier, not empty promises!

I count on AMCO.

AMCO has a consequent quality management system.

You can trust us - we provide it in black-and-white: with our DIN EN ISO 9001: 2008 certificate. That's proof of uncompromising quality consciousness and the best performance you can get. And they're not the only ones because the Bremen Main Customs Office has awarded AMCO the status of a licensed authorised economic operator. And to stay one step ahead, we set our quality targets high and we have ourselves regularly audited by an independent certifying company.

Our employees are also involved in improving the way we think and act – AMCO's idea management. Each and every employee is called upon to submit written suggestions for improvement. That ranges from product improvement by saving energy right down to time management. Then each department assesses these suggestions and the employee gets a bonus if they can be implemented. Just one more step on the way to continued success.



AMCO even shines with eco-sensitivity.

We don't just let environmental protection slide at AMCO. We tackle this job whole-heartedly when it's a question of conserving our natural resources and taking on ecological responsibility. For instance, we briquet scraps gathering at AMCO, recycle them and return the material cycle.

This closed cycle is an important foundation for our sustainable company policy. For us as a progressive company, lowering CO₂ emission, a responsible system of waste separation and using energy-saving machines have been standard operating procedures for a long time.

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