

AUBERT&DUVAL



Enhancing your performance





Faster, stronger, lighter, longer lasting...

In your industry, you are always pushing boundaries of innovation.

Enhancing your performance

To enhance overall performance of your products, you need to be able to rely on a trusted partner who can meet your requirements in terms of materials anywhere in the world.

At Aubert & Duval, we provide you with highly reliable metallurgical solutions that have been developed, designed and processed in optimal conditions to ensure reliability and reproducibility.

Since its foundation in 1907, Aubert & Duval has contributed to projects in the most demanding of industries: Aerospace, Automotive and Car Racing, Energy, Gears, Defence, Tooling, Nuclear, Precision Engineering, Medical etc.

Our production capacity combined with our teams' expertise, worldwide sales network and commitment to innovation, quality and service enable us to work alongside you.

Whatever the metallurgical issue in question, we offer you a partnership based on trust as well as **full commitment to your satisfaction.**

The Eramet Group

With over 15,000 employees, the mining and metallurgical Eramet Group has leading positions in three sectors: Nickel, Manganese, Alloys.

Together Erasteel and Aubert & Duval make up the Eramet Alloys division. Erasteel is the world's number one producer of high speed steels. Aubert & Duval is one of the main producers of high performance special steels and superalloys and the 2nd largest producer of closed-die forgings for aerospace and energy production industries in the world.

Our markets: **your challenges**

Eco-compatibility, corrosion, high temperature resistance, hardness, fatigue resistance etc.

You demand more and more from the material.

Because you work in a demanding industry (**Aerospace, Automotive and Car Racing, Energy Production, Gears, Defence, Tooling, Nuclear, Precision Engineering, Medical, Transport, Marine applications, Oil exploration etc.**), you need a partner you can rely on for your materials - one who knows your industry well, is aware of the challenges you face and can anticipate your needs.

The quality of our steels and superalloys makes our company a preferred supplier for all markets that require materials combining good mechanical properties with high performances. All the great names in international industry have come to rely on Aubert & Duval's world renowned specialist knowledge and expertise.

Our speciality: **Designing, Melting, Processing**

Special steels, superalloys, aluminium alloys and titanium alloys etc.

We design, melt and process metallurgical solutions into **bars, billets, semi-finished products and open or closed-die forgings.**



3,700 employees

Presence in **46** countries



Design

The first stage is the design of materials that meet your technical specifications. Thanks to the world renowned expertise of our metallurgists, production processes are then developed, modeled and optimized in order to ensure reliability and reproducibility.

Melt

In order to obtain the material properties required for your particular application, the industrial phase involves a rigorous (air or vacuum) melting process followed by remelting of special steels, alloys or superalloys.

Process

The metal then undergoes the processing stage of rolling, open or closed-die forging. We use the most up-to-date processes and tools in our facilities. These ensure that excellent properties and the most complex shapes are achieved. At the end of this processing cycle, we move to the finishing and quality control stages in our workshops.

Furthermore...

Our metallurgical expertise goes even further for you as offer a fully integrated and unique range of special additional services such as machining, melting facilities, powder metallurgy, bespoke heat treatment etc.

Production capacity

We have additional industrial equipment at our disposal in order to meet your most complex technical requirements:

Melting	Melting and remelting furnaces up to 70 tonnes Powder metallurgy
Forging	Continuous forging machine 1,200 - 4,500 tonne Forging presses
Closed-die forging	Closed-die forging presses with 4,500 - 65,000 tonne
Rolling mills	7 - 200mm diameter bars
Heat treatment	200mm-21m quenching and tempering furnaces





Our commitment:
your satisfaction

Innovation, Partnership, Quality, Service...

Customer satisfaction relies on total commitment from our staff

Innovation

With its research and development department (materials and processes) backed up by a network of specialists worldwide (customers, universities, research laboratories), Aubert & Duval is in a position to meet your future requirements with the design of new materials. Our laboratories have also developed unrivalled expertise in "virtual metallurgy" which helps shorten our customers' development cycles and makes them more reliable.

Partnership

By keeping in close contact with you at every stage of the project, our sales and technical assistance teams are able to advise you and provide real added value metallurgical solutions. This ongoing exchange with your in-house specialists enables you to find the most suitable solution to your technical, budget or industrial requirements.

Service

Our customer service departments follow through orders at each stage of manufacture, from processing to logistics, through personalized contact. Our distribution centre, information system and continued approach to flexible development and production enable us to optimize lead times for the manufacture and delivery of your products.

Quality

From design to manufacture, the Aubert & Duval Quality Management System is built into all areas of the company. Real-time analysis and checks are performed throughout the manufacturing process and ensure the highest quality standards for all products. Aubert & Duval excellence has been recognized through numerous certifications and approvals gained from our main contractors.



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ERAMET



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