

AUBERT&DUVAL

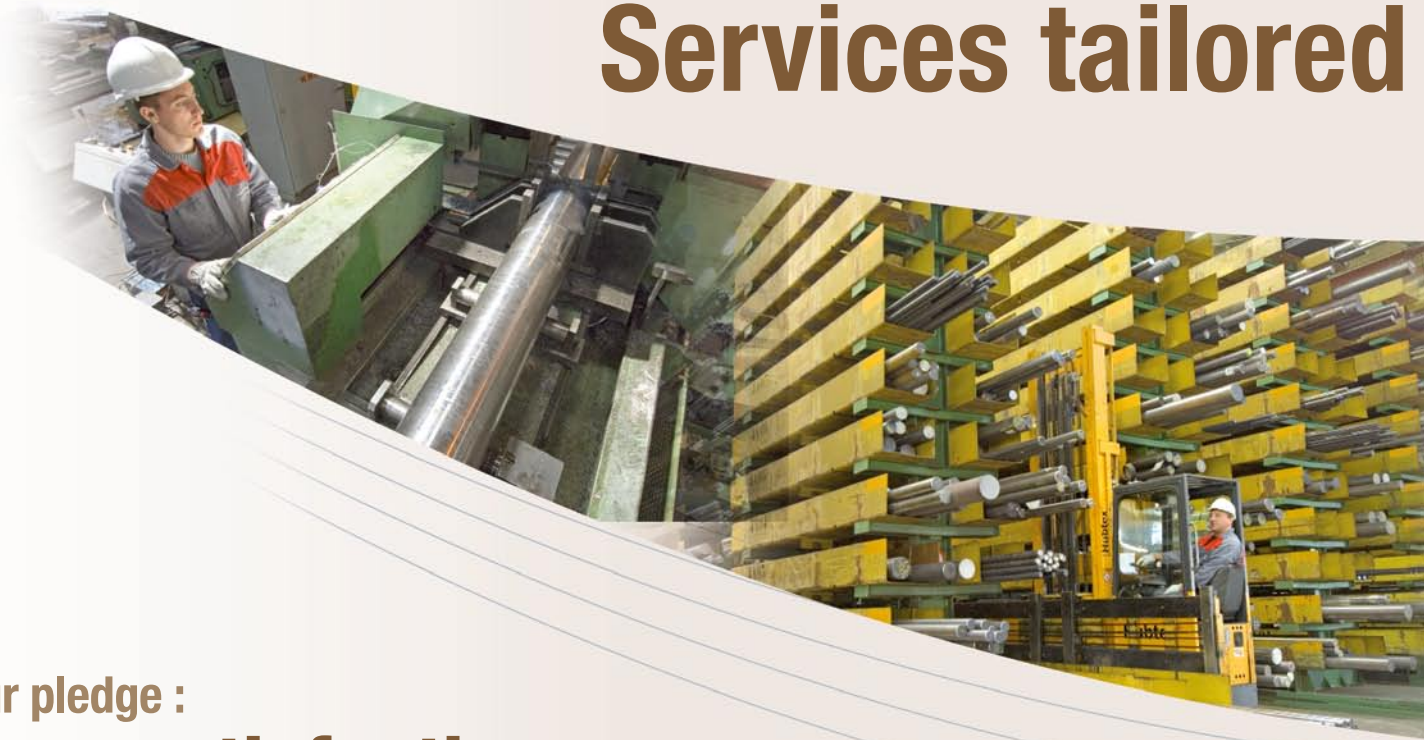


Service Centers for Aerospace and other highly-demanding industries



Enhancing your performance

Services tailored



Our pledge : Your satisfaction

The Material you need, when you need it

Offering state-of-the-art products would be of no use if not supported by a first-class logistics service. We understand the pressures on our customers of minimum capital exposure and lean manufacturing requiring reduced inventories and just-in-time supplies.

Aubert & Duval, well-known for its superior product quality, is constantly adapting its service offer to meet changing logistical requirements. We are therefore able to deliver medium or small-size orders on a regular basis for call-off supplies, or rapidly when it comes to emergency shortages. This is done while adhering to quality requirements regarding goods sorting and shelving, cutting to specifications, identification and packaging.

The warehouse of a metal specialist

Our production capacity is based on a unique and complementary range of industrial equipment for melting and converting.

- melting shop
- powder atomization
- foundry
- heat treatment
- re-melting
- open and closed-die forging
- hot rolling

State-of-the-art cutting and stocking facilities

Located in the largest European distribution platform (Lyon - France), our main warehouse is equipped with the most modern equipment, such as a 1,700 rack transtocker, the latest Amada PCSAW 430 double-pulse saws and the Amada VM 3800 bandsaw, the largest of its kind in Europe. We have additional facilities throughout the world.

ISO 9120 certified

In addition to general certifications (ISO 9001, ISO 14001, ISO 18001), our Lyon Service Center is certified to the most stringent industry specific standards: ISO 9100 (aero design and manufacturing), ISO 9120 (aero distribution) and AQAP 2110 (NATO).

Main Markets

Aerospace

- Actuators/Bearings
- Engines
- Fasteners
- Frames
- Landing Gears

Energy

- Nuclear
- Oil & Gas
- Turbines

Specialties

- Automotive
- Defense
- Mechanical
- Medical
- Motorsport
- Tooling

An international customer base

Airbus, Alstom, Asco, Avic, Boeing, Bombardier, Dassault, Eurocopter, Ferrari, HAL, Hispano Suiza, Latécoère, Liebherr, Manoir, Messier Bugatti, Montabert, Nexter, Siemens, SKF, Snecma, SNR, Turbomeca.

Global sales network

Our sales network added to our customer technical support operates in close partnership with our clients to provide a prompt and efficient service which is tailored to their needs.

to your needs



Added-value Solution Provider, to reduce your cost of ownership

Supply-chain management

As your service provider, we will meet your one-stop-shopping requirements:

- Any material or product can be stocked on request
- We can offer customized operations including batch preparation, hot conversion, and specific heat treatment
- Full logistic service : forecast integration, planning adjustment, safety stocks

Speed

From order receipt to delivery we guarantee a speedy and reliable process, so that our international customers can focus on their own tasks

Traceability

- Automated marking by inkjet, laser or engraving
- 100% batch marking
- Batch management with EDI transmission



Storage

- Fully automated transtocker (Lyon)
- 1st Class multiple-storage capacities in a growing number of locations

Sawing

- High-quality saws (Amada)
- Double-pulse cutting to guarantee $Ra < 3.2 \mu m$ and tolerance $< 0.4 mm$ (0.0157 inches)
- 24-hour automatic sawing for large dimensions (sections up to 1,000 mm dia.) (39 inches)

Machining

- Full range of customized machining
- Chamfering
- Grinding
- Sheet cutting-to-shape





A Complete Product Offering

Multi-specification products enhance stock flexibility

Our grades are designed to simultaneously meet the specifications of various OEMs so that a single bar has multiple potential customers.

Main Grades

	A&D Grade	Common Name
Steels	50NILYW	M50NIL
	819B	35NCD16
	FADCW	9310
	FADHW	E16NCD13
	FDGW	E20NCD13
	GH4	40CrMoV12
	GKH	32CDV13
	MARVAL18	Maraging 250
	NC40SW	300M
	RA50YW	M50
	SCV	15CDV6
Stainless Steels	APX	431
	APX4	Z8CND17-04
	CX13VDW	AMS 5719
	MARVAL13X	PH13-8Mo
	MLX17	AMS 5937
	X13VD	JETHETE M152
	X15U5W	15-5PH
	X17U4	17-4PH
	XDBD	440C
	XD15NW	AMS 5925
	XN26TW	A286
Superalloys	PER3	WASPALLOY
	PER75	NIMONIC 75
	PER625	INCO 625
	PER718	INCO 718
	XSH	KC20WN

Surface Conditions

- Black
- Peeled
- Ground
- Others

Heat treatment Conditions

- Annealed
- Hyperquenched
- Normalized
- Solution-annealed
- Quenched
- Heat treated
- Aged

Main Sizes

	mm	inches
• Round Bars	Ø 7.5-350	Ø 0.30-14
• Flat Bars	T ≤ 170 ; L ≤ 400	T ≤ 6.7 ; L ≤ 16
• Square billets	∇ 50-200	∇ 2-8
• Sheets	0.5 ≤ T ≤ 150	.02 ≤ T ≤ 6



Our Storage & Service locations



Our distribution centers



CHINA - Wuxi



ITALY - Ferrara



USA - Chicago



FRANCE - Lyon



GERMANY - Mönchengladbach

Sales offices

- | | | | | |
|-----------|----------|------------------|---------|----------|
| • France | • Italy | • Spain | • USA | • Japan |
| • Benelux | • Poland | • United Kingdom | • China | • Korea |
| • Germany | • Russia | • Brazil | • India | • Taiwan |

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