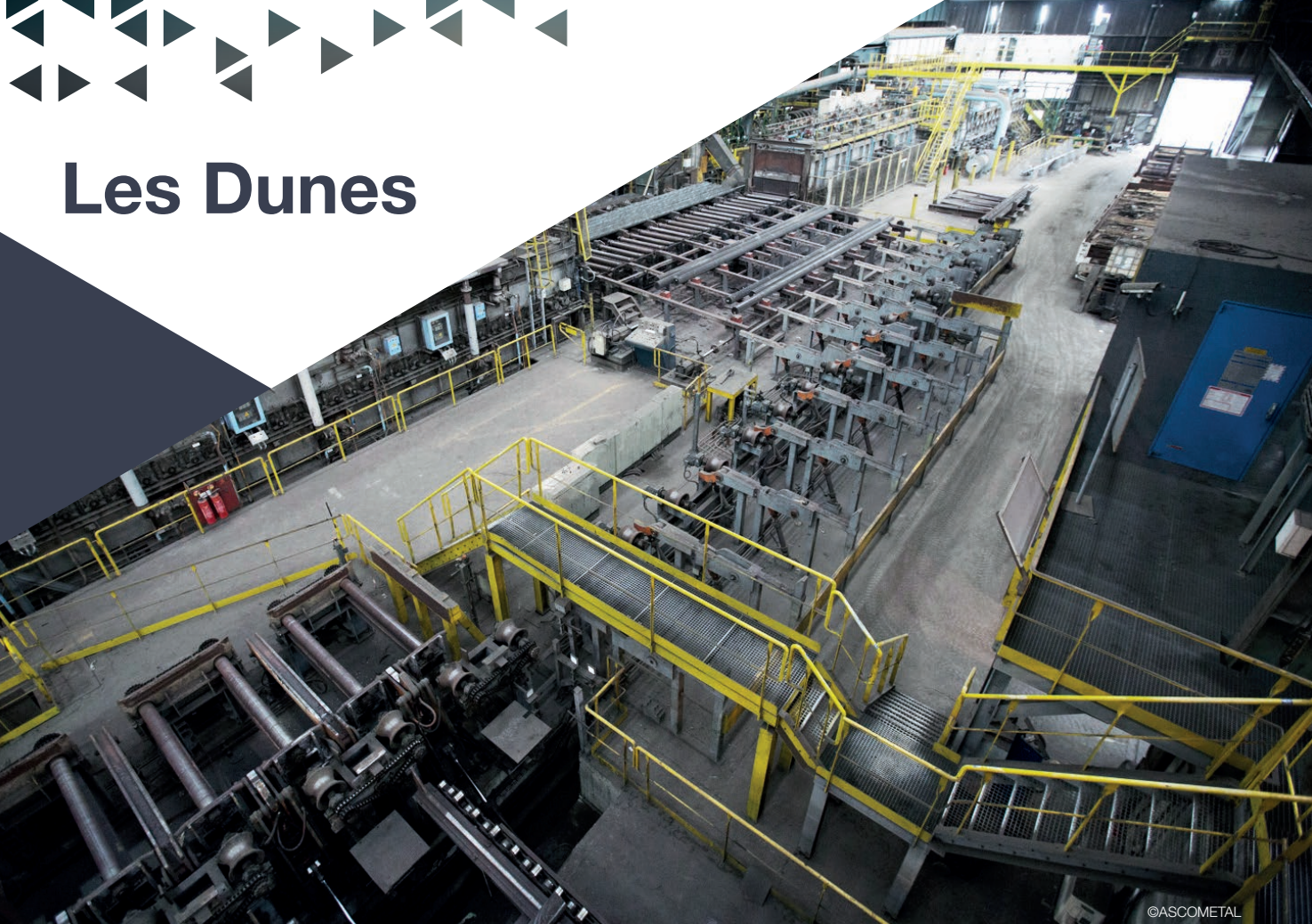


Les Dunes



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ASCOMETAL offers:

- › A **comprehensive network** based in France;
- › **Complementary production processes** (continuous casting and ingot process);
- › **Diversified sources of supply;**
- › **Fully controlled process and quality tracking.**

2 manufacturing facilities: Fos-sur-Mer, Hagondange.

3 machining and finishing centers: Custines, Le Marais, Les Dunes.

The Dunes factory specializes in products with large cross-sections, heat treatments and cold finishing.

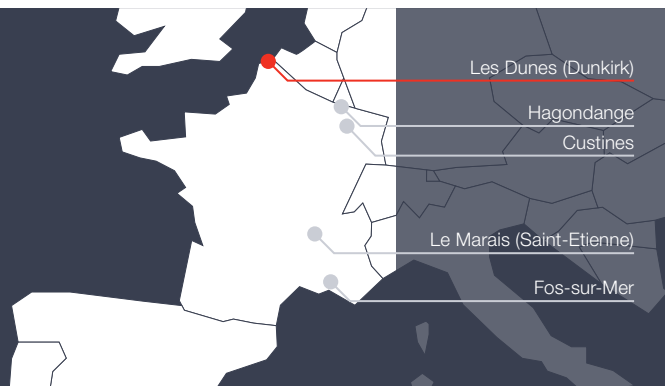
Postal address:

ASCOMETAL Les Dunes
Usines des Dunes BP41 59941 Dunkerque Cedex 2

Plant address:

ASCOMETAL Les Dunes
Rue des Aciéries — 59495 Leffrinckoucke

Tel.: +33 3 28 29 60 00 | Fax: +33 3 28 29 60 01



Products

Type	Feasibility	
Rolled round bars	80 to 300mm	4 to 13m
Peeled round bars	76 to 300mm	4 to 13m

Main markets

Mechanical and Energy Industries.
The Dunes mill finishes products of large diameters and long lengths, delivered throughout the world. Dunes offers customized contract processing including heat treatment, testing and peeling.

Heat treatments

- › **10 AMS 2750 and API 6A** compliant installations: quenching, tempering, stress relieving.
- › Annealing furnaces (normalizing, softening, spheroidized annealing, isothermal annealing...).

Finishing and inspections

- › Straightening, roller burnishing and sawing equipments with tight tolerances: from 80mm to 310mm.
- › Peeling capacity from 80mm to 300mm in h10.
- › **The optional ultrasonic bench controls 100% of the volume and detects faults of type AVG 1** (with angle beams). It meets the most demanding specifications according to API 7.1. On-line checks: surface defects by eddy current, magnetic particle inspection.
- › Inspections and tests: all tests of mechanical characteristics, micro and macro cleanliness and structure controls are carried out in our **ISO CEI 17025** laboratory.

Certifications

- › ISO 9001
- › IATF 16949
- › ISO 14001
- › OHSAS 18001
- › CE138
- › ISO CEI 17025
- › ISO 50001

Accreditations

- › ABS
- › Bureau Veritas
- › DNV
- › Germanischer Lloyd
- › LRS
- › RINA
- › TÜV

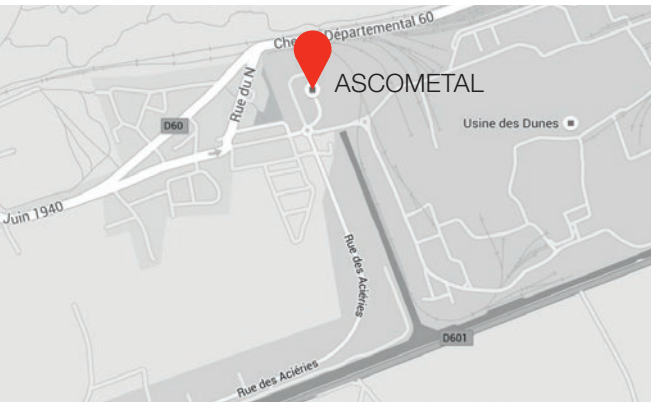
AMONG OUR CUSTOMERS

- | | |
|-----------------|---------------|
| › BECK CRESPEL | › ROLLS-ROYCE |
| › CATERPILLAR | › SANDVIK |
| › CNH/IVECO | › SEW USOCOME |
| › ENERGY ALLOYS | › WÄRTSILÄ |
| › HOWCO | › ZF WIND |
| › MG-VALDUNES | |

Access map

GPS position

N 51.054983
E 2.457721



Hagondange



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- › **Complementary production processes** (continuous casting and ingot process);
- › **Diversified sources of supply;**
- › **Fully controlled process and quality tracking.**

2 manufacturing facilities: Fos-sur-Mer, Hagondange.

3 machining and finishing centers: Custines, Le Marais, Les Dunes.

The Hagondange mill specializes in the manufacture of small-section products.

Address:

ASCOMETAL Hagondange
Avenue de France B.P. 90038
57301 Hagondange Cedex

Tel.: +33 3 87 70 51 21

Fax: +33 3 87 70 50 00



Products

Type	Feasibility
Rolled round bars	16 to 100mm

Main markets

Automotive, Forging, Bearings, Mechanical Engineering.

Metallurgical processing

- › 90 MVA - 110 t UHP electric-arc furnace.
- › Vacuum tank degassing.
- › Complementary sourcing Concast blooms and ingot route billets

Casting process

- › 4-strand vertical continuous caster producing 240mm square blooms, magnetic stirring.

Heat treatments

- › Continuous annealing furnaces: spheroidizing, pearlitic, stress relieving, isothermal, normalizing...
- › Quenching and tempering furnaces with different quenching media available (water, polymer, oil) as well as induction heat treat.

Finishing and inspections

- › Non-destructive testing (dimensional checks, surface defect detection, internal soundness examination, anti-mix), preparation for dispatch.
- › Automated finishing and inspection lines: straightening, non-destructive testing (dimensional checks, anti-mix/structure check, surface defect detection, internal soundness examination), preparation for dispatch.

Certifications

- › ISO 9001
- › IATF 16949
- › ISO 14001
- › OHSAS 18001
- › ISO 50001

Accreditations

- › TÜV

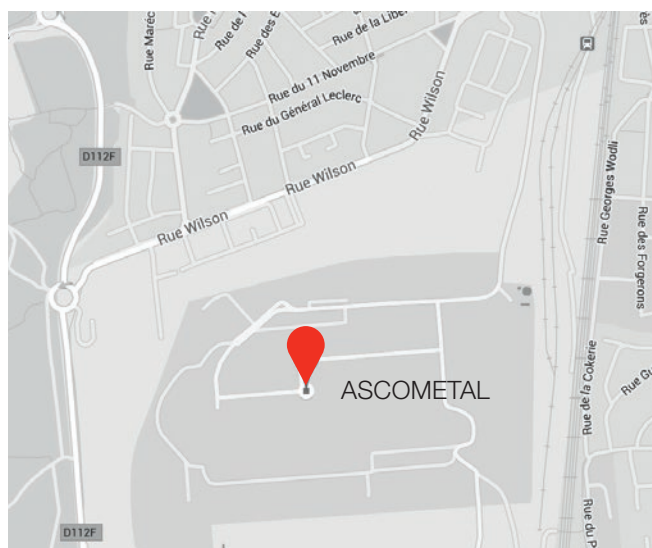
AMONG OUR CUSTOMERS

- › AUDI
- › BOSCH
- › DAIMLER
- › DELPHI
- › DENSO
- › FIAT
- › FORD
- › FRAUENTHAL GmbH
- › GKN
- › GROUPE WALOR
- › HIRSCHVOGEL
- › JTEKT
- › MUSASHI
- › NTN-SNR
- › PSA
- › RENAULT
- › SCHAEFFLER
- › SETFORGE
- › SIFCOR
- › SKF
- › TOYOTA
- › VW

Access map

GPS position

- › N 49.243499
› E 6.159301



Custines



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- › **Complementary production processes** (continuous casting and ingot process);
- › **Diversified sources of supply;**
- › **Fully controlled process and quality tracking.**

2 manufacturing facilities: Fos-sur-Mer, Hagondange.

3 machining and finishing centers: Custines, Le Marais, Les Dunes.

Cold finishing center of excellence for automotive component manufacturing.

Address:

ASCOMETAL Custines - Le Marais
252, rue du Pré-à-Varois BP 12 54670 Custines

Tel.: +33 3 83 92 60 00

Fax: +33 3 83 24 33 66

Les Dunes (Dunkirk)

Hagondange
Custines

Le Marais (Saint-Etienne)

Fos-sur-Mer

Services

Type	Feasibility
Peeling, burnishing (Bars)*	Ø 13 - 83mm, up to tolerance band h9
Grinding (Bars)*	Ø 10 - 80mm up to tolerance band h8 (h7 for Ø < 30mm on demand)
Sawing, chanfering (Bars)*	Ø 15 - 80mm, length 2,500 - 10,000mm
Sawing (Slug)*	Ø 10 to 105mm, length 30mm to 2,000mm, chanfering machine, center hole, threading, marking
Sawing, grinding (Slug)	Ø 18 - 30mm up to tolerance band h7, length 350 - 1,000mm

* Feasible on tubes.

Finishing equipment

- › Peeling: Kieserling lathes, Calow;
- › Cutting to length: Ohler saw;
- › Centerless grinding: Lidköping, R4B;
- › Sawing and machining: Wagner, Rattunde;
- › Controls: surface defects (eddy-current, MPI), anti-mix, dimensional controls.

Certifications

- › ISO 9001
- › IATF 16949
- › ISO 14001
- › OHSAS 18001
- › ISO 50001

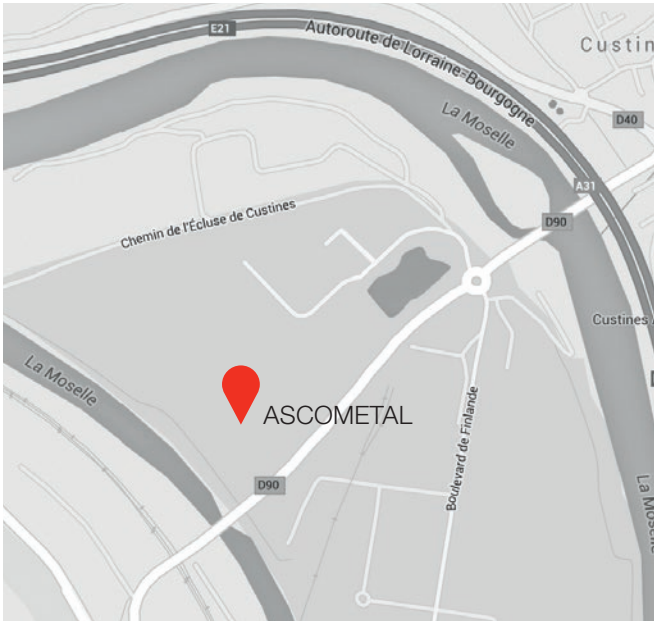
AMONG OUR CUSTOMERS

- › GKN
 - › KUHN
 - › PSA
 - › SCHAEFFLER
- › SETFORGE
 - › SOGEFI
 - › TK PRESTA
 - › TOYOTA

Access map

GPS position

- › N 48.785743
- › E 6.134924



ASCOMETAL France Holding SAS | Avenue de France 57300 Hagondange

www.ascometal.com

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Le Marais



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- › **Diversified sources of supply**;
- › **Fully controlled process and quality tracking.**

2 manufacturing facilities: Fos-sur-Mer, Hagondange.
3 machining and finishing centers: Custines, Le Marais, Les Dunes.

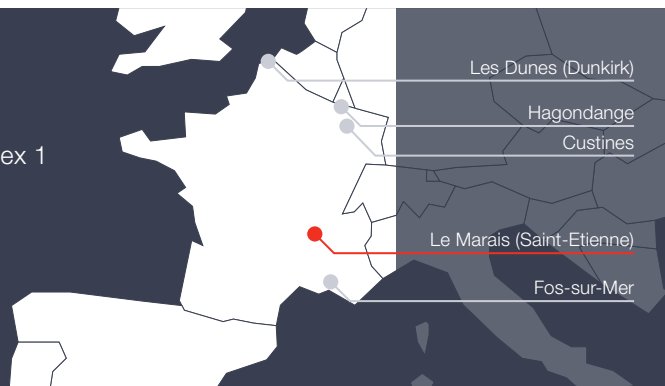
Cold finishing center of excellence for automotive component manufacturing.

Postal address:

ASCOMETAL Custines - Le Marais
Etablissement du Marais
9, rue Bénevent BP 50723 — 42950 Saint-Étienne Cedex 1

Plant address:

ASCOMETAL Custines - Le Marais
Etablissement du Marais
9, rue Bénevent — 42000 Saint-Étienne
Tel.: +33 4 77 45 50 50 | Fax: +33 4 77 45 50 97



Services

Type	Feasibility
Peeling, burnishing (bars)*	Ø 15 - 78mm up to tolerance band h9
Sawing*	Ø 10 - 105mm, finished length 30 - 2,000mm
Sawing with weight control	Ø 35 - 150mm, length 25 - 80mm
Grinding (slug)	Ø 20 - 50mm up to tolerance band h7, length 500 - 1,100mm
Machining (slug)	Ø 10 - 46mm, length 100 - 1,000mm
Drilling	(hole) Ø 6 - 20mm, length max. 750mm - (slug) Ø 20 - 35mm
Straightening (slug)	Ø 20 - 40mm, length 500 - 1,000mm

* Feasible on tubes

Finishing equipment

- › Peeling: Kieserling lathes;
- › Cutting to length: Wagner saws, Coni, Kasto;
- › Boring: TBT, Mollart;
- › Machining: Mori Seiki lathes and Nakamura;
- › Sawing and machining: Rattunde;
- › Centerless grinding: Cincinnati;
- › Surface defect testing.

Certifications

- › ISO 9001
- › IATF 16949
- › ISO 14001
- › OHSAS 18001
- › ISO 50001

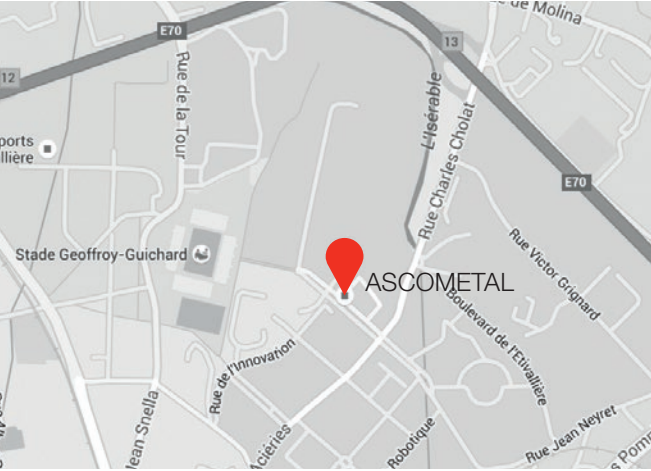
AMONG OUR CUSTOMERS

- › JTEKT
- › SIFCOR
- › NTN-SNR
- › USOCOME

Access map

GPS position

- › N 45.459998
- › E 4.393981



Fos-sur-Mer



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- › **Complementary production processes** (continuous casting and ingot process);
- › **Diversified sources of supply;**
- › **Fully controlled process and quality tracking.**

2 manufacturing facilities: Fos-sur-Mer, Hagondange.

3 machining and finishing centers: Custines, Le Marais, Les Dunes.

The Fos-sur-Mer mill produces bearing and engineering steels.

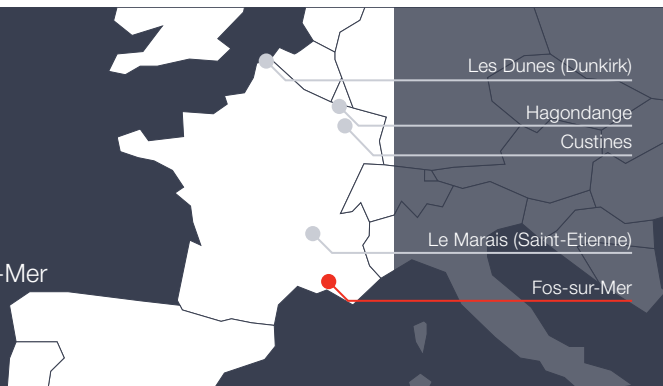
Postal address:

ASCOMETAL Fos-sur-Mer
BP 40030 — 13771 Fos-sur-Mer Cedex

Plant address:

ASCOMETAL Fos-sur-Mer — Secteur Goulevielle
Route de Port-Saint-Louis-du-Rhône — 13270 Fos-sur-Mer

Tel.: +33 4 42 47 93 00 | Fax: +33 4 42 05 15 11



Products

Type	Feasibility
Ingots	5.3t to 10t
Billets and blooms	80 to 400mm
Rectangular rolled bloom	70 to 600mm
Large-diameter rolled rounds bars supplied as-rolled or heat-treated	80 to 325mm
Wire rod	5 to 32mm
Drawn wire	1 to 22mm

Main markets

Bearings, Forging, Mechanical Engineering, Oil and Gas.

Metallurgical processing

- › 100 MVA – 120 t UHP electric-arc furnace.
- › RH-type vacuum degassing stand.

Casting process

Ingot casting, square big-end up moulds from 5.3t and 10t.

Heat treatments

- › **Bar heat treatment installations**
Quenching and tempering: austenitizing furnace for long lengths (max length for bars: 13m), water or polymer quenching, fully automatic inspection line.
- › **Wire rod heat treatment installations**
Annealing in a protected atmospheric furnace (spheroidizing and stress relieving): 3 continuous furnaces and 1 batch furnace.

Finishing and inspections

- › **In-line inspection of bars**
Ultrasonic examination, surface quality inspection by infra-red thermography, “Spectrotest”, anti-mix check, visual and dimensional checks.
- › **Wire rod finishing**
High performance wire drawing installations, producing a very large range of sizes (1 to 22mm diameter) with various coatings. Eddy current control during rolling, 100% anti-mix check, magnetic particle detection of coil ends.

Certifications

- › ISO 9001
- › IATF 16949
- › ISO 14001
- › OHSAS 18001
- › ISO 50001
- › CE 138

Accreditations

- › ABS
- › Bureau Veritas
- › DNV
- › Germanischer Lloyd
- › LRS
- › TÜV

AMONG OUR CUSTOMERS

- | | |
|---------------------|----------------|
| › FOMAS | › SIFCOR |
| › MASSUCCO | › SKF |
| › MANOIR INDUSTRIES | › TK GERLACH |
| › NSK-AKS | › TSUBAKI |
| › NTN-SNR | › NAKASHIMA |
| › SCHAEFFLER | › VALLOUREC |
| › SETFORGE | › BEARING TUBE |

Access map

GPS position

- › N 43.44238
- › E 4.84632

