

aperam

Manufacturer of flat
stainless steel products

a world-class company

Our main production sites

- 01 Genk, Belgium
- 02 Chatelet, Belgium
- 03 Gueugnon, France
- 04 Isbergues, France
- 05 Imphy, France
- 06 Timóteo, Brazil

14

Steel service centers

3

R&D centers

16

Sales offices

2.5mt

Flat stainless steel
capacity in Europe
and South America

Business divisions



Stainless Services & Solutions

This division, which includes our tubes and precision businesses, performs three main activities:

- The management of direct sales of stainless steel products from our production facilities;
- Distribution of our products (and, to a less extent, those of our suppliers); and
- Transformation services, which include the provision of value-added and customised steel solutions to meet specific customer requirements.



Stainless & Electrical Steel

We are one of the largest global producers of stainless steel by production capacity. We produce a wide range of stainless and electrical steels in Europe and South America, and continuously expand our product offerings by developing new grades and finishes.



Alloys & Specialities

Believed to be the fourth largest producer of nickel alloys in the world, this division specialises in the design, production and transformation of various nickel alloys and certain specific stainless steels. Our products take the form of bars, semis, cold-rolled strips, plates, wire and wire rods, and come in a range of grades.

our values

Our three values are the means by which we will deliver our vision. They inform our every action:

Leadership

A leading company is bold, audacious, daring, and sustainable. A catalyst is not a pioneer in everything it does. It is about being bolder and audacious in our approach while remaining relevant to the marketplace. We are a stable driving force which encourages the development of new standards in the industry. We promote sustainable solutions.

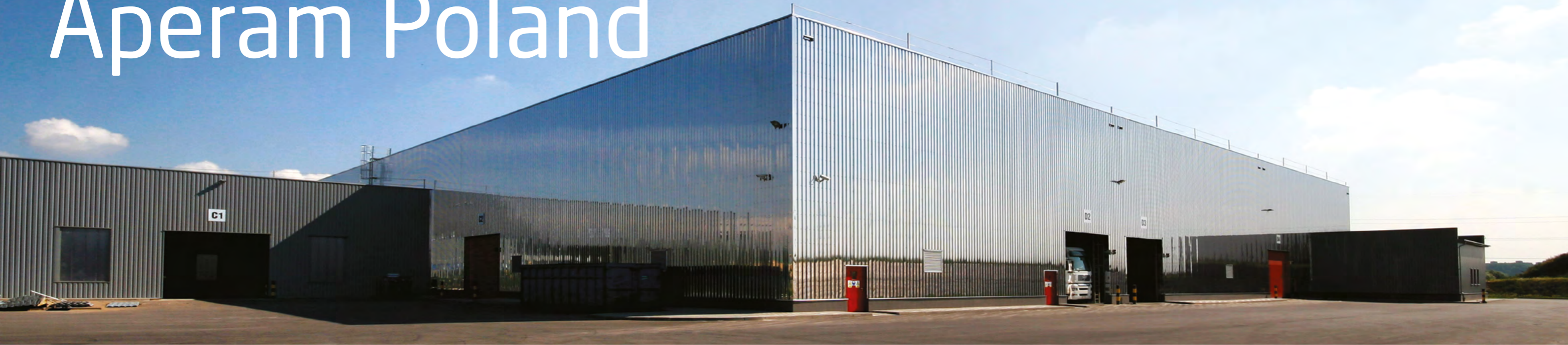
Ingenuity

An ingenious company is clever, skilful, imaginative, and innovative. Ingenious is about thinking laterally, not literally. Our people are passionate and always keen to share their knowledge and skills. Sometimes this means developing new ideas or applications; other times it implies seeing things differently, with new eyes to find the appropriate solution without compromising quality.

Agility

An agile company is fast, adaptable, and flexible. Being agile is about moving faster and adapting to the changing market conditions with more ease. It is also about being flexible according to specific customer requirements, whether in terms of cost efficiency, lead time or product characteristics.

Aperam Poland



Our company is a leading supplier of flat stainless steel products. Thanks to a highly integrated network, we assure a full variety of products, including: martensitic, ferritic, austenitic, austenitic - molybdenum, austenitic - manganese, heat resisting and Duplex stainless steel grades.

We guarantee services which match your requirements. With our equipment and machinery we offer coils lengthways cutting, sheets cutting, various grinding and polishing and other special finishing of surface.

At the moment we have a service warehouse centers with total surface of 15 thousand square meters. KARA K36 (1.4526 acc. to EN) stainless steel was used to build these building halls. As a reliable partner, we have implemented the Integrated Management System in accordance with ISO 9001, IATF 16949, ISO 14001, ISO 45001 and SA 8000 in terms of quality, environment, occupational health and safety and social accountability, certified by TUV Rheinland and Dekra.

Raw material

from 0,4 to 12 mm
from 250 to 2000 mm

Cuting possibilities (sheets)

from 0,4 to 12 mm
from 300 to 14000 mm
from 100 to 2000 mm

Cuting possibilities (coils)

ID 508/610
from 0,3 to 4 mm
from 28 to 1650 mm



Slitting Line

thickness: 0,3 - 4,0mm
width: 28 - 1650mm
capacity: max. 60t /shift
finish: foil, paper



Blanking Line

thickness: 0,4 - 3,0mm
width: 100 - 600mm
length: 300 - 6000mm
capacity: max. 10t /shift
finish: foil, paper

our production capacities



Polishing Line

thickness: 0,8 - 3,0mm
width: 400 - 1500mm
length: 1000 - 4000mm
capacity: max. 7,5t /shift
finish: foil



Cutting Line

thickness: 0,4 - 3,5mm
width: 400 - 1600mm
length: 400 - 8000mm
capacity: max. 50t /shift
finish: foil, paper



Cutting Line 2

thickness: 2,0 - 15,0 mm
width: 500 - 2100mm
length: 500 - 14000mm
capacity: max. 50t /shift
finish: foil, paper

Aperam's Stainless steel grades

	Grades	ASTM	UNS	EN	Chemical compositions (indicative values) %							Mechanical properties annealed condition (typical values)		
					C	Si	Mn	Cr	Mo	Ni	Inne	Rm	Rp _{0.2}	A%
Feritic Stainless Steel Kara	K03 (F12N)		S41003	1.4003	0,015	0,50	0,60	11,00		0,40		510	370	26
	K09 (F12T)	409	S40900	1.4512	0,01	0,45	0,20	11,30			Ti = 0,180	420	250	32
	K09D (F12TD)	409	S40900	1.4512	0,01	0,45	0,20	11,30			Ti = 0,180	410	240	34
	K30 (F17)	430	S43000	1.4016	0,05	0,35	0,40	16,50				490	340	26
	K30D (F17DDQ)	430	S43000	1.4016	0,035	0,35	0,40	16,50				480	320	29
	K34 (F17MS)	434	S43400	1.4113	0,05	0,35	0,40	16,50	1,25			540	380	27
	K39M (F17T)	430Ti	S43036	1.4510	0,02	0,35	0,40	16,50			Ti = 0,400	450	290	30
	K41 (F18TNb)	441	S43932	1.4509	0,018	0,60	0,30	17,80			Ti+Nb = 0,650	480	310	30
	K36F17MNB)	436	S43600	1.4526	0,04	0,40	0,50	17,80	1,25		Nb = 0,600	520	370	28
	K45 (F20NbCu)	445(1)	S44500	1.4621(2)	0,02	0,25	0,20	20,20			Nb = 0,4-Cu = 0,5	510	360	29
	K44 (F18MT)	444	S44400	1.4621	0,015	0,40	0,40	17,70	1,85		Ti+Nb = 0,450	510	360	29
Austenitic Stainless Steel with Manganese	17-4Mn	201.1	S20100	1.4618	0,05	0,40	6,00	16,80		4,50	Cu = 1,6 N = 0,08	665	330	50
Duplex	22-05	22-05	S32205	1.4462	0,02	0,30	1,80	22,80	3,10	5,50	N = 0,17	840	620	29
Austenitic Stainless Steel	18-9E	304	S30400	1.4301	0,05	0,50	1,10	18,20		8,05		670	340	50
	18-9ED	304	S30400	1.4301	0,04	0,50	1,20	18,20		8,10		630	300	55
	18-9DDQ	304	S30400	1.4301	0,04	0,50	1,10	18,20		9,10		610	285	57
	18-9L	304L	S30403	1.4307	0,025	0,50	1,40	18,20		8,05		620	270	50
Austenitic Stainless Steel with Molybdenium	18-10T	321	S32100	1.4541	0,03	0,50	1,10	17,20		9,10	Ti = 0,300	630	270	48
	18-11ML	316 316L	S31600 S31603	1.4401 1.4404	≤0,03	0,50	1,35	16,80	2,10	10,10		620	310	48
Heat resisting Stainless Steel	17-11MT	316Ti	S31635	1.4571	0,04	0,50	1,20	16,80	2,10	10,70	Ti = 0,350	610		47
	R20-12	309	1.4828	1.4006	0,05	1,60	1,30	19,30		11,40		640	310	50

R_m Tensile strength (MPa)
R_{p0.2} Proof strength at 0,2% (MPa)
A Elongation %
Sample according to ISO 6892-1:
20x80 mm (thickness < 3 mm)
Lo = 5,65√So (thickness ≥ 3 mm)
Sample according to ASTM A370:
12,5 x 50 mm
1 MPa = 1N/mm²
= 145 PSI
= 0,1kg/mm²

Surface aspects

Aperam's Designation	Description of surface finish	International equivalents	
		ASTM	EN 10088
HRAP	Hot-rolled, annealed and pickled	N°1	1D
DIN	Hot-rolled with embossed DIN tear-plate pattern, annealed and pickled		1M
ASTM	Hot-rolled with embossed ASTM tear-plate pattern, annealed and pickled	pattern B	
HRC	Cold-rolled, rough, matt		2E
2D	Cold-rolled, annealed and pickled, not skinpassed	2D	2D
2B	Cold-rolled, annealed, pickled and skinpassed	2B	2B
2R	Cold-rolled, bright-annealed and skinpassed	BA	2R
2H	Coled-rolled without subsequent anneal for various hardness levels	TR	2H
P80D	Dry polished with 80-grit abrasive belts	N°3	2G
P120D	Dry polished with 120-grit abrasive belts	N°4	2G
P180D	Dry polished with 180-grit abrasive belts		2G
P220D	Dry polished with 220-grit abrasive belts		2G
P240D	Dry polished with 240-grit abrasive belts		2G
P320D	Dry polished with 320-grit abrasive belts		2G
P400D	Dry polished with 400-grit abrasive belts		2G
Duplo P220	Dry polished with 220-grit abrasive belts + brushed with wire rolls		2G
Duplo P320	Dry polished with 320-grit abrasive belts + brushed with wire rolls		2G
Scotch-Brite	Lightly brushed with wire rolls		2J
UGINOX Linen	Etched linen finish obtained by cold rolling with special rolls, followed by a final anneal		2M
UGINOX Leather	Etched chequer patterned finish obtained by cold rolling with special rolls, followed by a final anneal		2M
UGINOX Squares	Etched textured finish obtained by cold rolling with special rolls		2M
UGINOX Lozenge	Etched lozenge patterned finish obtained by cold rolling with special rolls, followed by a final anneal		2M
Uginox Line	Blacha dekoracyjna zimnowalcowana. Powierzchnia o wyglądzie szlifowanej blachy		2J
UGINOX Sand	Finish obtained by etching with special roll	-	-
UGINOX Top	Matt low-refl ectance finish obtained by cold rolling with special rolls	2D	2F
UGINOX Mat	Matt finish obtained by cold rolling with special rolls	-	-
Uginox Rolled-On	240-grit polish look like obtained by rolled-on process	-	-
UGINOX Bright	2B finish for construction industry	BA	2R
UGINOX Patina	Surface coated with a continuous layer of tin in accordance with standard NFA 36332		2S

For the availability of grades, surfaces or dimensional restrictions, please check with our sales department.

Certification



Poland

Aperam Services & Solutions Poland
ul. Henryka Krupanka 97
PL - 41-103 Siemianowice Slaskie
Phone: +48 32 76 36 117
Fax: +48 32 76 36 139
E-mail : export.pl@aperam.com

Czech Republic

Aperam Services & Solutions Czech
Republic Slezská 13
CZ - 120 00 Praha 2
Phone: +420 221 001 579
Fax: +420 221 001 605
E-mail : nerezovaocel@aperam.com

Hungary

Aperam Services & Solutions Hungary
Városmajor u. 13.
HU - 1122 Budapest
Phone: +36 1 225 24 80
Fax: +36 1 225 24 81
E-mail : rozsdamentes@aperam.com

Austria

Aperam Services & Solutions Austria
Traunferstr. 110a
A - 4052 Ansfelden
Phone: +43 7229 8292 0
Fax: +43 7229 8292 013
E-mail : herwig.sandner@aperam.com

Canada

Aperam Services & Solutions Canada
1005 Skyview Drive - Suite 100
Burlington, Ontario, L7P 5B1
Phone: +1289 313 2002
Fax: +1905 336 0419
E-mail : ingrid.mayr@aperam.com

Germany

Aperam Stainless Services
& Solutions Germany GmbH
Hildener Str. 28
40699 Erkrath
Phone: +49 2104 309 200
Fax: +49 2104 309 243

Spain / Portugal

Aperam Services & Solutions Iberica
Pol. Ind. Can Calderón
C/Torrent Fondo, 7
ES - 08840 Viladecans
Phone: +34 93 425 97 00
Fax: +34 93 425 97 33
E-mail : iberica.service@aperam.com

Scandinavia

Aperam Services & Solutions Nordic AB
Sigurdsgatan 21, 8th floor
SE-721 30 Västerås
Phone: +46 16 15 85 01
Fax: +46 16 15 85 19

USA

Aperam Services & Solutions USA
98 Floral Avenue
New Providence, NJ 07974
Phone: +1908 988 0625
Fax: +1908 988 0664
E-mail : keith.kay@aperam.com

Switzerland

Aperam Services & Solutions Switzerland
Industriestrasse 19
CH - 8112 Otelfingen
Phone: +41 44 851 56 56
Fax: +41 44 851 56 57
E-mail : christian.schaltegger@aperam.com

Turkey

Aperam Services & Solutions Istanbul
G.O.S.B.Ihsan Dede caddesi 700.Sok.No:120
Gebze-Kocaeli 41480
Phone: +90 262 751 29 14
Fax: +90 262 751 29 23
E-mail : aperam@aperam.com

United Kingdom

Aperam Services & Solutions UK
9 Midland Way - Barborough
GB - Chesterfield - S43 4XA
Phone: +44 1246 5716 60
Fax: +44 1246 5716 61
E-mail : bryn.kinsey@aperam.com

Benelux

Aperam Services & Solutions Belgium
Bosdel 87 - Genk Zuid - zone 5
BE - 3600 Genk
Phone: +32 89 36 56 00
Fax: +32 89 36 56 31
E-mail : info.benelux@aperam.com

France

Aperam Services & Solutions France
Rue Pierre Loti
FR - 62330 Isbergues
Phone: +33 3 21 63 58 00
Fax: +33 3 21 63 58 59

Italy

Aperam Services & Solutions Italy
Localita Priora
I-26815 Massalengo (LO)
Phone: +39 02 56 6041
Fax: +39 02 56 604 222
E-mail : stainless.italy@aperam.com

Asia / Japan

Jean-Charles Lemaitre
T +603 2284 4225
M +60 12 569 0604 (Malaysia)
M +66 986 979 949 (Thailand)
E-mail : jean-charles.lemaitre@aperam.com

aperam

www.aperam.com

