09_2026

Arvedi AST

STAINLESS STEEL FLAT PRODUCTS

PRODUCT CATALOGUE

Arvedi

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The Arvedi Group

In 1963, Cavaliere del Lavoro Giovanni Arvedi founded his first two companies for the manufacture and sale of welded carbon steel tubes. In the 1980s, in order to ensure a regular supply of high-quality raw materials to these companies, he began designing and building his own steelworks, Acciaieria Arvedi. The plant was developed using the Group's own original and competitive process technology, conceived and developed in-house and patented worldwide under the names Arvedi ISP and ESP. In 2022, AST Terni was acquired by Arvedi from ThyssenKrupp. A major investment plan is aimed at expanding production capacity while supporting initiatives to progressively reduce emissions and implement circular economy principles, in line with the objectives set out in the company's Sustainability Plan. The Arvedi Group operates throughout Europe across a broad range of activities, from primary products such as steel and hot-rolled coils to finished products, including precision re-rolled products, tubes and stainless steel forgings.

Today, the Arvedi Group is active in the production of flat hot-rolled and cold-rolled carbon and stainless steel products, carbon and stainless steel tubes, the precision re-rolling of stainless steel strip, and the trading of steel products. All Group companies have been designed with a strong focus on specialization and optimized in terms of production organization and plant configuration. They employ state-of-the-art technology and proprietary operating practices to enhance efficiency, quality and flexibility. A highly qualified and experienced management team, leading a lean and flexible organization, works to ensure production efficiency, consistently high quality and excellent service levels, with particular attention to market developments and customer requirements. The Group's technological, ergonomic and environmental choices are focused on people's safety and well-being, as well as on the responsible management of environmental aspects.

The Holding Company and the Group's industrial structure

Finarvedi is the holding company of the Arvedi Group, whose core business consists of steelmaking activities with production volumes exceeding 6 million tonnes of high-quality products designed to meet the requirements of the most demanding markets. The Arvedi Group employs more than 6,000 people and generates consolidated revenues of over €5 billion. The acquisition of AST Terni's operations in January 2022 has given the Group a significant role in the primary production of stainless steel and has contributed to the growth of both production volumes and revenues. The Group's existing companies, ILTA Inox and Arinox, are able to benefit from the synergies resulting from the presence within the Group of AST, a producer of stainless steel coils and therefore a key supplier of their raw material.

Finarvedi SpA

CARBON STEEL		STAINLESS STEEL		
AcciaieriaArvedi	Arvedi Tubi Acciaio	Arvedi AST	iltainox	Arinox
CSI Centro Siderurgico Industriale	Metalfer	SDF		
Euro-Trade	Metalfer Poland	Terninox		
	Metalfer Automotive	AST Deutschland		
	Metalfer Morocco	AST Turkey		
	Arvedi Metalfer Brasil	Tubificio di Terni		

Arvedi AST: a new integrated company, a new force on the market, with a stainless passion for steel.

With more than 140 years of experience, Arvedi AST, part of the Arvedi Group, is one of the most important integrated steelmaking sites in Europe in the stainless steel sector. Its core business is stainless steel flat products, for which it is market leader in Italy and one of the leading producers in Europe. As well as flat rolled steel, the company also produces forgings in special steels, among the largest in the world, through its Forgings Division.

Tubificio di Terni, the Arvedi AST controlled company, deals with the production of ERW stainless steel tubes.

Thanks to its integrated service centers (Terninox and CST), the expertise and innovative capacity of its technical and sales teams, Arvedi AST products reach customers all over the world.

Arvedi AST

HIGH QUALITY PRODUCTS
SOLUTIONS IN LINE WITH CUSTOMER NEEDS
RESPONSIBLE PRODUCTION
WE INVEST TODAY TO DESIGN TOMORROW

Arvedi AST

PLANTS AND PRODUCTS

Arvedi

Stainless steel expertise and innovation in processes, products and services

The production plants are concentrated in Terni in an area of over 1.5 million square metres and cover the complete manufacturing cycle, from melting, rolling and finishing to packing. Equipped with the most advanced technologies, ArvediAST produces about one million tonnes of stainless steel flat products per year. Our factory produces semi-finished (Black coils) hot rolled and cold rolled austenitic, ferritic stainless steel products, with different dimensions and finishes to meet customer needs and expectations. The quality of products and services have led our stainless steel to be the raw material of excellence in several market sectors. In fact, each grade of stainless steel presents considerable differences in terms of chemical composition, mechanical properties and corrosion resistance, cold forming and weldability. Thanks to the integrated service centers (CST and Terninox), ArvediAST is able to offer a wide range of surface finishes to improve the product's aesthetics and technical functionality. Various processes are also carried out including longitudinal and cut-to-lenght to supply the product according to the specific dimensions requested by the customer. The wide range is complemented by the support of an integrated team of technicians to provide solutions and maximum reliability.

The management and organisation approach followed by ArvediAST is based on safety, quality and continuous improvement which is taking the company to explore new and wider markets, guided by the logic of adopting leading innovation and process technologies based on independent R&D (collaboration with the Centro Sviluppo Materiali - CSM RINA, one of the leading Italian Centers for research in the fields of materials). The high level of quality of ArvediAST's products is the result of a combination of key factors: system state-of-the-art technology, the level of equipment and laboratories, and in particular the contributions of highly qualified, specialised engineers.

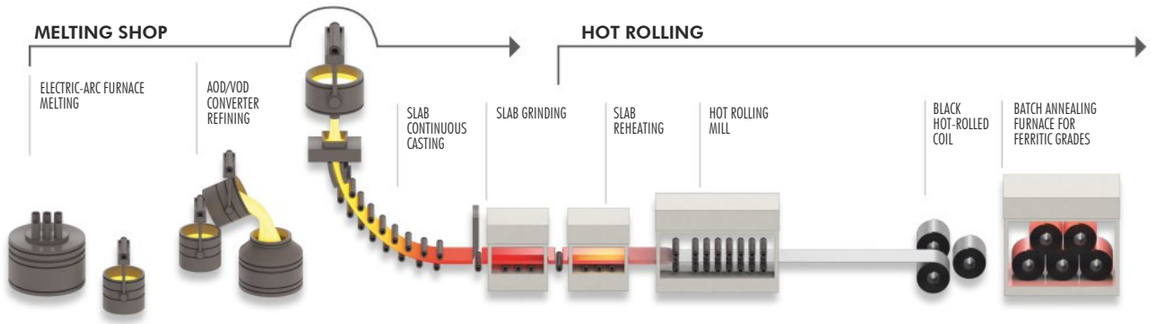
SDF

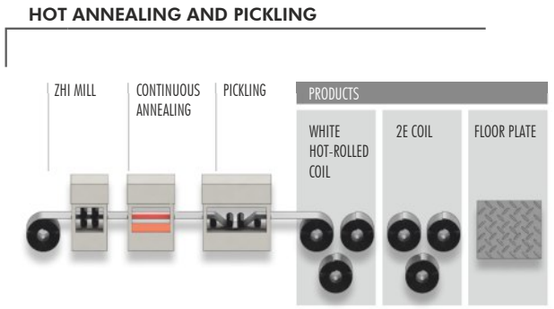
Forgings Division, with a production unit which covers an area of 120,000 square metres, manufactures a wide range of forged artefacts, made from high quality steels, produced according to a century of metallurgical experience updated with the most modern processing techniques.

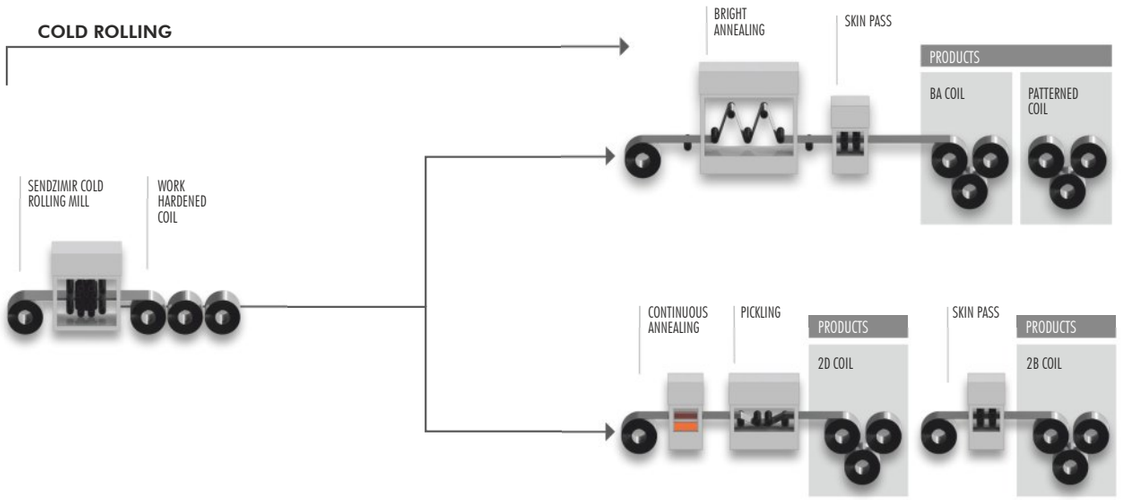
Tubificio di Terni

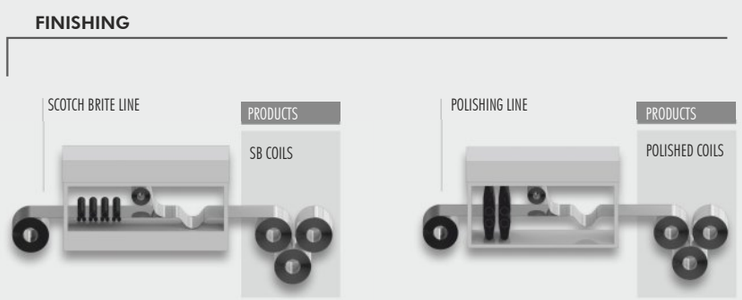
The controlled company, Tubificio di Terni, that occupies an area of 45.000 sqm, is leader in the manufacture of ERW stainless steel tubes. The company is considered worldwide the primary specialist for the automotive, building and urban furnshing industries.

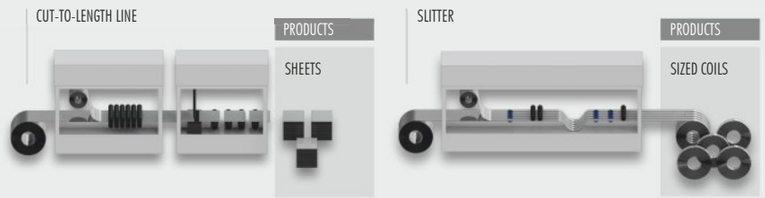
INTEGRATED PRODUCTION SITE UNIQUE IN THE WORLD

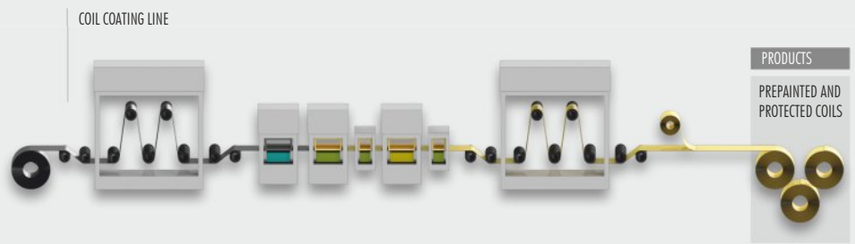












Efficiency of the production processes

Our customers can count on high production efficiency: we utilise a fully integrated production process.
All stages of the process are carried out at the Terni site, from casting in a steel mill to surface processing carried out at the at the finishing centers to provide tailor-made solutions. Our processes are constantly monitored and certified.

Arvedi AST

EXPERIENCE, INNOVATION: VISION OF TOMORROW

Innovation is found in the production processes, in packaging, in logistics; it is the link with our customers to create cutting-edge products and services. The collaboration with the Centro Sviluppo Materiali (CSM RINA), one of the leading Italian centres for research in the field of materials, ensures excellent quality standards worldwide.
Arvedi AST started to build the history of Italian steelmaking over 140 years ago; today it has become the factory of the future with the new mission: to be a partner of companies from all over the world, offering each of its customers a wide range of efficient and quality products and solutions.

"The Spirit gives you the strength to innovate and see something that doesn't exist yet.

Then technique and technology intervene.

It is the moment in which the Spirit confronts reality and gives substance to innovation.

Everything comes from something that you imagine doesn't exist yet.

Even in the face of the greatest challenges, man always surpasses himself"

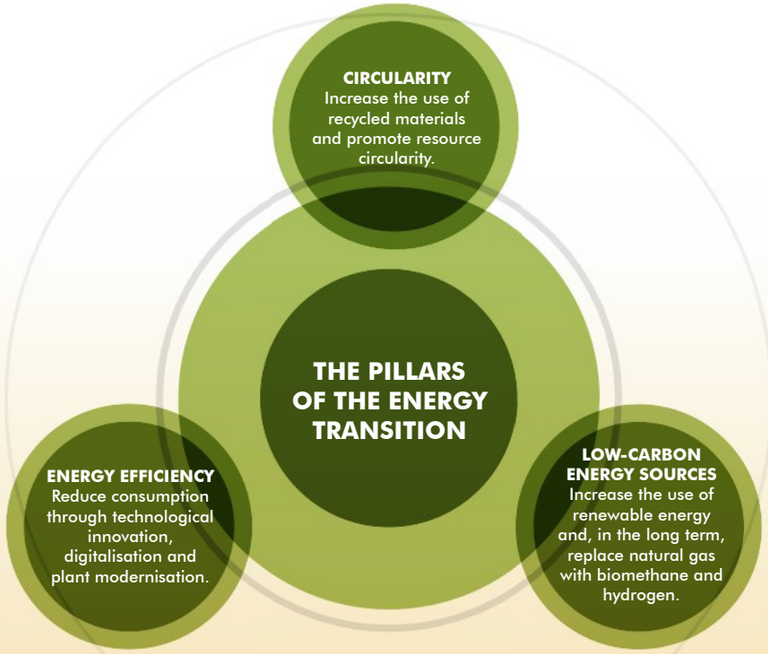
Cav. Giovanni Arvedi

Arvedi

SUSTAINABILITY AND ENVIRONMENTAL AWARENESS

Safety, health and the environment have long been key priorities in the company's history and corporate culture.

Environmental, social and governance issues are an integral part of Arvedi AST's strategy. For many years, the company has voluntarily reported on its ESG performance, following an approach based on measurement, transparency and continuous improvement. Arvedi AST has implemented certified management systems and incorporates objectives relating to the climate transition, energy efficiency, the circular economy and the responsible use of resources into its strategic planning.



84.6%
RECYCLED METALS share of recycled metal in total metals used

100%
ELECTRICITY FROM CERTIFIED RENEWABLE SOURCES consumed at the production site

90.3%
RECYCLED AND REUSED WATER as a proportion of water withdrawn

* Ref.: Arvedi AST Sustainability Report 2026

CIRCULAR ECONOMY
Arvedi AST develops projects dedicated to the recovery and valorisation of materials, with particular emphasis on slag recycling initiatives.

Urban Re-generation
A collaborative project between companies focused on sustainability and enhancing the local area.

Acciai Speciali Terni S.p.A. has obtained ResponsibleSteel™ certification and operates in accordance with this standard.

ResponsibleSteel ™ is an international certification programme for the steel industry, and Acciai Speciali Terni S.p.A. operates in accordance with this standard. Arvedi AST is therefore strengthening its path towards responsible steel production by integrating the requirements of the ResponsibleSteel ™ standard into its business processes. This certification supports the company's continuous improvement journey for the benefit of stakeholders and the local community.

ECOVADIS – GOLD MEDAL

Arvedi AST received the EcoVadis Gold Medal in its latest annual sustainability assessment, placing it among the top 5% of companies rated by EcoVadis.

The result places the company in the 96th percentile. The EcoVadis assessment covers four areas: Environment, Labour and Human Rights, Ethics, and Sustainable Procurement.

GOLD | Top 5%
ecovadis
Sustainability Rating
AUG 2026

STAINLESS STEEL

HIGH QUALITY PRODUCTS
SOLUTIONS IN LINE WITH CUSTOMER NEEDS

Arvedi AST TERNI

PRODUCT PORTFOLIO

Arvedi

Product portfolio

A complete range of stainless steel grades

		AUSTENITIC																				
		CHROME NICKEL												CHROME NICKEL MOLYBDENUM				HEAT RESISTANT				
ACCIAI SPECIALI TERNI		**301**	**301 L**	**304**	**304 L**	**304 DL**	**304 MSA**	**304 MS**	**304 PSA**	**304 PS**		**304 PSQ**	**321**	**316**	**316 L**	**316 SLD**	**316 Ti**	**304 H ******	**309 S *******	**310 S *******	**321 H *******	**4828 *******
EN 10088-2		1.4310	1.4318	1.4301	1.4306	1.4307	1.4301	1.4301	1.4301	1.4301		1.4301	1.4541	1.4401	1.4404	1.4435	1.4571	1.4948	1.4833	1.4845	1.4878	1.4828
DELIVERY CONDITIONS																						
HOT ROLLED COILS AND SHEETS	N°1 Finish	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Floor plate				✓	✓	✓	✓						✓	✓							
COLD ROLLED COILS AND SHEETS	2E	✓		✓		✓							✓		✓		✓					
	2D / 2B	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	BA	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	
	Work hardened	✓	✓	✓				✓	✓													
	Patterned			✓		✓	✓	✓	✓	✓					✓							
TYPICAL COMPOSITION	C	0,10	0,03	0,04	0,03	0,025	0,04	0,04	0,04	0,04		0,04	0,05	0,06	0,03	0,03	0,05	0,06	0,06	0,05	0,05	0,05
	Cr	17,4	17,2	18,2	18,2	18,2	18,2	18,2	18,2	18,2		18,2	17,3	16,7	16,7	17,4	16,7	18,2	22,6	24,3	17,2	19,3
	Ni	7,6	6,6	8,1	10,1	8,1	8,1	8,6	8,6	9,1		9,6	9,1	10,6	10,3	13,0	10,6	8,1	13,1	19,1	9,1	11,1
	Mo	-	-	-	-	-	-	-	-	-		-	-	2,1	2,1	2,7	2,1	-	-	-	-	-
	Others	-	N	-	-	-	Cu	-	Cu	-		-	Ti	-	-	-	Ti	N	Si	Si	Ti	Si
MECHANICAL PROPERTIES AT 20 °C - TYPICAL VALUES	0.2% Yield Strength Mpa	280	350	270	250	250	260	250	250	250		240	250	300	270	300	270	300	300	260	260	290
	Rm tensile Strength MPa	700	800	650	570	630	630	630	620	600		600	590	610	580	600	580	600	600	580	600	640
	Elongation A% A_{80} (thickness < 3mm) A_5 (thickness ≥ 3mm)	50	45	54	55	54	56	56	58	58		60	57	50	52	50	55	54	45	45	57	55
FOOD CONTACT M.D.21/3/73		✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓					
CORROSION RESISTANCE	General	+	++	++	++	++	++	++	++	++		++	+++	+++	+++	++++	+++	++	+++	+++	+++	+++
	Pitting	+	++	++	++	++	++	++	++	++		++	+++	+++	+++	++++	+++	++	+++	+++	+++	++
	SCC	°	°	°	°	°	°	°	°	°		°	°	°	°	°	°	°	°	°	°	°
	Heat resistence	+	++	++	++	++	++	++	++	++		++	+++	++	++	++	++	++	++++	++++	++	+++
COLD FORMABILITY		++	++	++	+++	++	+++	+++	++++	++++		++++	+++	++	+++	+++	+++	++	+	+	++	+
WELDABILITY		++	++++	+++	++++	++++	+++	+++	+++	+++		+++	+++	+++	++++	++++	++++	+++	+++	++	++	+++

**** Chemical composition and mechanical properties according to EN 10028

***** Chemical composition and mechanical properties according to EN 10095

° Not applicable/not required
+ Acceptable
++ Good
+++ Excellent
++++ Superior performance

The above table reports the main steels produced and traded by Arvedi AST. Other steel grades are also available.
You can check them out on our website. For any different requirements, please contact marketing.ast@acciaiterni.it

The above mentioned figures, which refer to 1 mm CR, 2B finish, are approximate; they can vary according to thickness and finishing

Product portfolio

A complete range of stainless steel grades

		FERRITIC											
		FERRO CHROME			FERRO CHROME STABILIZED						FERRO CHROME MOLYBDENUM		
ACCIAI SPECIALI TERNI		**410 S**	**STR 12**	**430**	**409**	**409 LI**	**430 TI**	**439 M**	**441 LI**		**434**	**444**	**4513**
EN 10088-2		1.4000	1.4003	1.4016	1.4512	1.4512	1.4520	1.4510	1.4509		1.4113	1.4521	1.4513
DELIVERY CONDITIONS													
HOT ROLLED COILS AND SHEETS	N°1 Finish	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
	Floor plate												
COLD ROLLED COILS AND SHEETS	2E												
	2D / 2B	✓	✓	✓ *	✓	✓	✓	✓	✓		✓	✓	✓
	BA			✓		✓	✓	✓ ***	✓ ***		✓	✓ ***	✓
	Work hardened			✓ **									
	Patterned			✓									
TYPICAL COMPOSITION	C	0,03	0,02	0,04	0,02	0,01	0,02	0,02	0,02		0,06	0,02	0,02
	Cr	12,2	11,3	16,2	11,5	11,5	16,2	17,7	18,2		16,7	17,7	16,3
	Ni	-	0,5	-	-	-	-	-	-		-	-	-
	Mo	-	-	-	-	-	-	-	-		1,0	2,1	1,2
	Others	-	-	-	Ti	Ti	Ti	Ti, Nb	Ti, Nb		-	Ti, Nb	Ti
MECHANICAL PROPERTIES AT 20 °C - TYPICAL VALUES	0.2% Yield Strength Mpa	300	320	300	250	250	300	280	300		320	330	300
	Rm tensile Strength MPa	450	500	500	420	420	450	450	470		500	500	470
	Elongation A% A_{80} (thickness < 3mm) A_5 (thickness ≥ 3mm)	25	23	27	30	32	27	30	28		25	28	28
FOOD CONTACT M.D.21/3/73				✓				✓	✓			✓	
CORROSION RESISTANCE	General	°	°	+	°	°	+	+	+		++	+++	++
	Pitting	°	°	+	°	+	++	+	++		++	+++	++
	SCC	+	+	++	+	+	++	++	++		++	+++	++
	Heat resistence	°	°	+	°	++	+	++	+++		+	+	+
COLD FORMABILITY		+	+	+	++	++	++	++	++		+	+	++
WELDABILITY		+	++	+	++	+++	+++	+++	+++		+	+++	+++

* 2D/2B finish is feasible only in relation to the final use

** 430 HT and 430 AR grades coil after work hardening process

*** Only for max. thickness 1.0 mm, larger thicknesses will be agreed according to the use

° Not applicable/not required
+ Acceptable
++ Good
+++ Excellent
++++ Superior performance

The above table reports the main steels produced and traded by Arvedi AST. Other steel grades are also available.
You can check them out on our website. For any different requirements, please contact marketing.ast@acciaiterni.it

The above mentioned figures, which refer to 1 mm CR, 2B finish, are approximate; they can vary according to thickness and finishing

STAINLESS STEEL

Arvedi AST

COLD ROLLED

Arvedi AST

Dimensions

COLD ROLLED COILS

STEEL GROUP	THICKNESS mm		WIDTH mm	
	FROM	TO	FROM	TO
FERRITIC 2D-2B	0,35*	0,79	100	1270
	0,8	3	100	1520
AUSTENITIC AND FERRITIC BA	0,35*	0,79	100	1270
	0,8	1,5	100	1520
	1,51	2	100	1270
AUSTENITIC 2D-2B	0,4	0,69	100	1270
	0,7	5	100	1520

Coil inner diameter: 610 mm and 508 mm

COLD ROLLED SHEETS

STEEL GROUP	THICKNESS mm		WIDTH mm		LENGTH mm **	
	FROM	TO	FROM	TO	FROM	TO
FERRITIC 2D-2B	0,35*	0,79	150	500	250	4000
	0,35*	0,79	501	1000	500	4000
	0,35*	0,79	1001	1250	1000	4000
	0,8	3	150	500	250	4000
	0,8	3	501	1000	500	4000
	0,8	3	1001	1250	1000	4000
	0,8	3	1250	1524	1000	6000
AUSTENITIC AND FERRITIC BA	0,35*	1,5	150	500	250	4000
	0,35*	1,5	501	1000	500	4000
	0,35*	1,5	1001	1250	1000	4000
	0,8	1,5	1251	1524	1000	6000
	1,51	2	150	250	500	4000
	1,51	2	501	1000	500	4000
	1,51	2	1001	1250	1000	4000
AUSTENITIC 2D-2B	0,4	0,69	150	500	250	4000
	0,4	0,69	501	1000	500	4000
	0,4	0,69	1001	1250	1000	4000
	0,7	3	150	500	250	4000
	0,7	3	501	1000	500	4000
	0,7	3	1001	1250	1000	4000
	0,7	3	1251	1524	1000	6000
	3,01	5	500	1000	1000	4000
	3,01	5	1001	1250	1000	4000
	3,01	5	1251	1524	1000	6000

* 0.35 mm thickness availability to be checked upon request
** >6000 length will be evalueted on client's request

Cold rolled
Tolerances

THICKNESS TOLERANCES COILS AND SHEETS

THICKNESS	TOLERANCES*
≤ 0,59	± 0,030
0,60 - 0,99	± 0,040
1,00 - 1,49	± 0,050
1,50 - 1,99	± 0,060
2,00 - 2,99	± 0,090
3,00 - 4,49	± 0,13
4,50 - 4,99	± 0,14
5,0	± 0,15

* Measured 30 mm from edge
Asymmetric tolerances available

WIDTH TOLERANCES COILS AND SHEETS

THICKNESS	WIDTH	TOLERANCES*
≤ 1,75	< 150	- 0 + 0,3
1,76 - 2,50		- 0 + 0,4
2,51 - 3,00		- 0 + 0,5
≤ 1,75	151 - 230	- 0 + 0,3
1,76 - 3,00		- 0 + 0,5
3,01 - 5,00		- 0 + 2,0
≤ 3,00	231 - 609	- 0 + 0,5
3,01 - 5,00		- 0 + 2,0
≤ 3,00	610 - 1524	- 0 + 1,5
3,01 - 5,00		- 0 + 2,0

* Measured 30 mm from edge
Asymmetric tolerances available

OTHER TOLERANCES

LENGTH		FLATNESS	CAMBERING
LENGTH	TOLERANCES mm		
250 - 2000	- 0 + 4	According to required standard	According to required standard
2001 - 4000	- 0 + 6		
4001 - 6000	- 0 + 8		

Special requests of dimensions and tolerances will be evaluated from time to time

Surface Protections

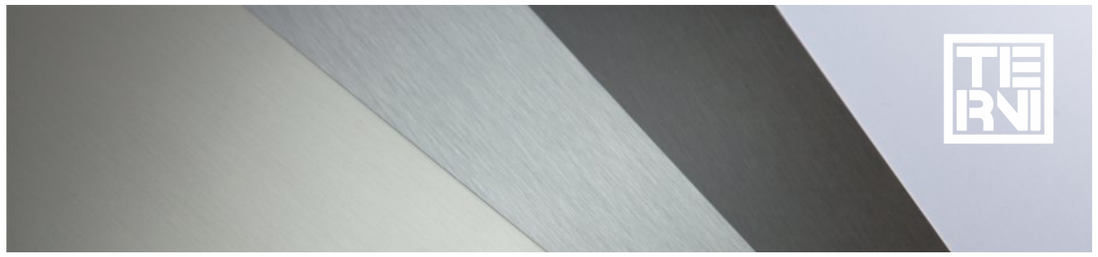
Cold rolled products are protected with interleaving paper; on request they can be delivered without protection or protected on one side or both by a removable plastic film based on the customer requirements.

Surface Finishes
A wide range of surface finishes for aesthetic and technical solutions.

FINISHES

DESCRIPTION	AISI ASTM A 480	EN 10088-2	ACCIAI SPECIALI TERNI EQUIVALENT	SURFACE CONDITIONS	COMMENTS
Hot rolled, annealed, pickled and cold re-rolled		2H	Work hardened	Oiled	Cold worked to achieve higher tensile strength
Cold rolled, annealed and mechanically descaled		2E	ZH	Rough and dull	Usually applied to steels with a scale which is very resistant to pickling solutions
Cold rolled, annealed and pickled	2D	2D	2D	Smooth	Finish for good formability, but not as smooth as 2B or 2R
Cold rolled, annealed, pickled and skinpassed	2B	2B	2B	Smoother than 2D	Most common finish to ensure good corrosion resistance, smoothness and flatness
Cold rolled, bright annealed and light skinpassed	BA	2R	BA	Smoth, bright, mirror -like	Smoother and brighter than 2B
Polished	3	2G	3	Dull	Unidirectional texture
Polished	4	2G	4	Polished, bright	Unidirectional texture
Scotch Brite		2J	Scotch Brite	Brushed	Unidirectional texture Ra<0,2μm
Duplo	4	2K	Duplo	Soft bright polished	Unidirectiona texture, Ra<0,5μm
Transparent coil-coated			Silver Ice®	Steel texture is visible	Anti-fingerprint, easy to clean
Coloured coil-coated		2L	Vernest®	Coloured	General use coloured coating
Pre-primed coil-coated			Primerinox®	Backing coat on B-side	Improves the adhesion of PU/epoxy foams

Surface finishes availability must be verified by steel grade on the basis of specific requests



STAINLESS STEEL

Arvedi AST

STANDARD FINISHES

2H 2E 2D 2B BA Polished Scotch Brite

2H - Work hardened coils

TYPICAL MECHANICAL PROPERTIES

GRADE ACCIAI SPECIALI TERNI	COLD WORK LEVEL	TENSILE STRENGTH Rm (mpa)	0.2% STRENGTH Rp 0.2% mpa	ELONGATION A50 (%)
301 301 L	Annealed	> 620	>310	>40
	1/8 hard	> 690	>380	>40
	1/4 hard	> 860	>515	>25
	1/2 hard	>1035	>760	>18
	3/4 hard	>1205	>930	>12
	full hard	>1275	>965	> 9
304	Annealed	> 515	>205	>40
	1/16 hard	> 620	>310	>40
	1/8 hard	> 690	>380	>30
	1/4 hard	> 860	>515	>10
	1/2 hard	>1035	>760	> 7
430 HT/430 AR	Up to HRC 32			

Delivery conditions: thickness from 0.4 to 2.00; width from 1000 to 1250 mm
The hardening operation gives stainless steel higher mechanical resistance.
Acciai Speciali Terni 430 HT/430 AR, 304, 301 and 301 L are delivered in the work hardened condition

2E - Cold rolled, annealed and mechanically descaled

MINIMUM THICKNESSES mm

STEEL GROUP	WIDTH mm		
	1020	1270	1520
304 / 321	2,00	2,00	2,50
301	2,00	2,00	3,00
316L	2,50	2,50	4,00
4828	3,00	3,00	4,50

Thickness tolerances according to UNI EN ISO 9445-2

Shown table may be revised in the future for additional thickness ranges and new materials

STAINLESS STEEL

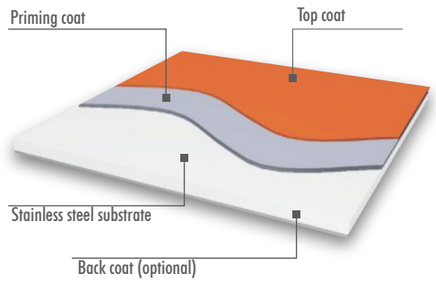
Arvedi AST

PRE-PAINTED FINISHES

VIVINOX®

Coil coated stainless steel

Available on all ferritic and austenitic grades produced by Acciai Speciali Terni, the organic coatings of the **Vivinox**® range enable to enhance and customise typical stainless steel finishes. With the anti-fingerprint coating **Silver Ice**®, the visual impact of stains and fingerprint smudges is lowered, furthermore, these stains can be dry-cleaned. **Silver Ice**® also offers a limited protection against scratches and corrosion. Stainless steel panels coated with **Vernest**® coloured coatings offer unlimited freedom in the choice of colour schemes for architectural and construction projects.
The organic primer layer applied on the bottom side of the **Primerinox**® products increases the surface energy of stainless steel, allowing for an optimal spread and adhesion of epoxy and PU foams.
The **Vivinox**® organic coatings are applied on stainless steel on a state-of-the-art coil coating line which ensures that the product properties are homogenous over the entire surface of the coil.



Silver Ice®

Vernest®

PRODUCT RANGE

	MIN	MAX
Thickness	0,4 mm	1,2 mm
Width	100 mm	1500 mm
Coil weight	2.000 kg	12.000 kg
Surface protection	Temporary protective film on request	
Packaging	Special for coil coated products	

ORGANIC COATINGS

SERIE		DRY FILM THICKNESS	DESCRIPTION
SILVER ICE®	Transparent finish	1,5 - 3,5 μm	Anti-fingerprint and cleanability properties
VERNEST®	Coloured finish	20 - 25 μm	Polyester, super polyester or PVDF are available for outdoor applications
PRIMERINOX®	Preprimed surface	5 - 8 μm	For foam adhesion, post painting, adhesive structural bonding

Various steel grades and coatings can be provided in agreement with the sales department

Arvedi AST TERNI

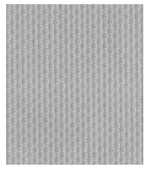
Perfection in all its details

Patterned and micro-patterned finishes are obtained using specifically patterned cylinders during cold rolling operations and followed by bright annealing.

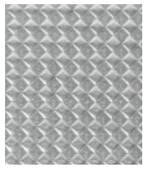
Patterned Finishes

Elephant skin

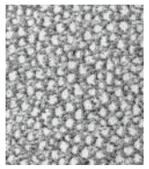
Linen

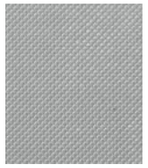

Linen (Dull version)

Square


Diamond

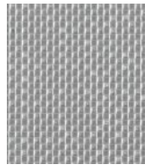
Micro-Patterned Finishes


Micro skin*

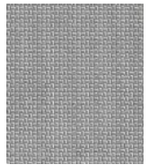

Texture *

Droplets *

Honeycomb*


Weave*

Microcircle*

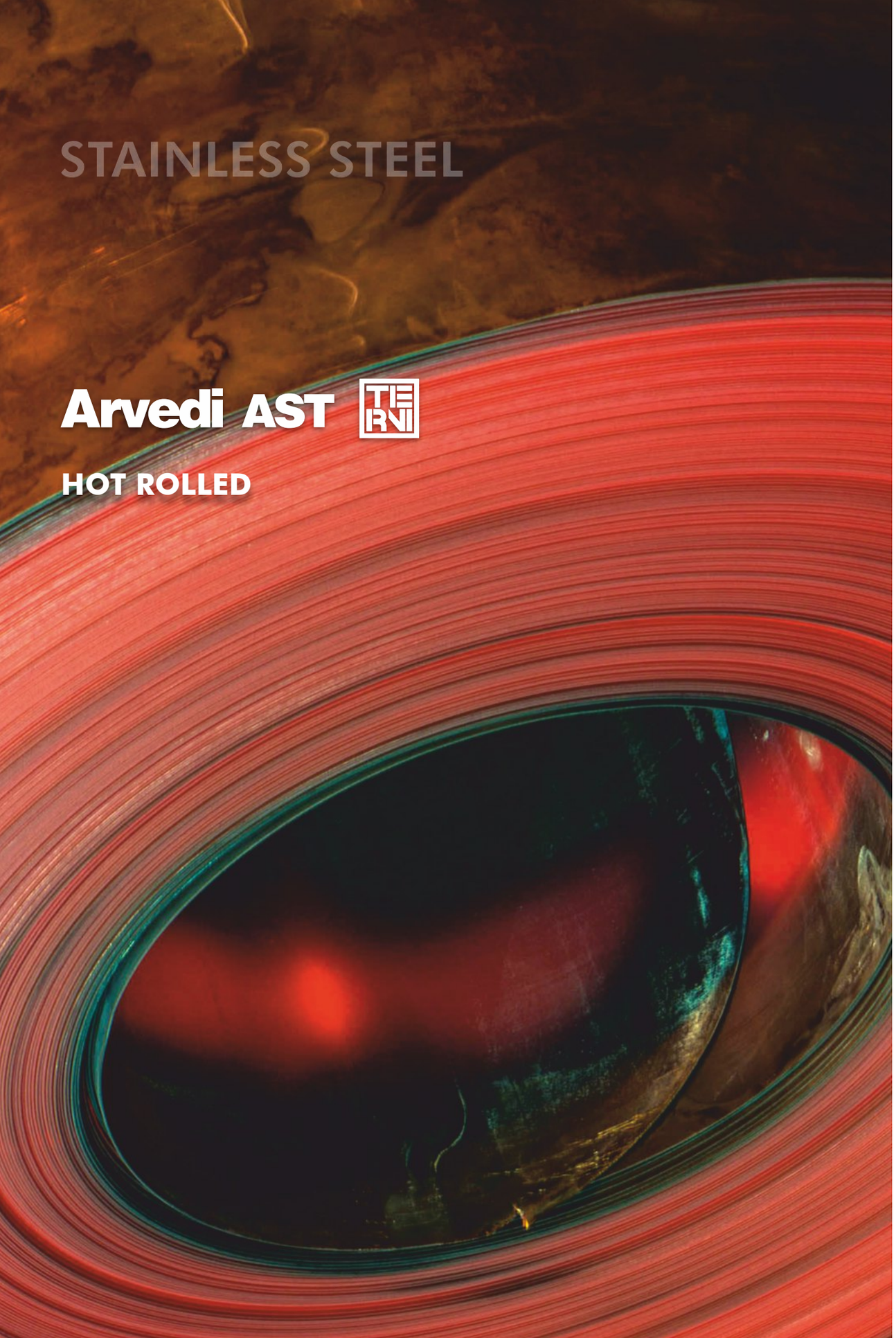

Haze*

Personalized patterns on request

AVAILABLE DIMENSIONS

TYPE	THICKNESS	WIDTH	SHEETS
304 / 430	0,6 ÷ 1,5	500 ÷ 1250	500 ÷ 4000
	0,8 ÷ 1,5	1251 ÷ 1520	500 ÷ 4000

* Based on project



Dimensions * / Tolerances

HOT ROLLED COILS

STEEL GROUP	THICKNESS mm		TRIMMED EDGES	MILL EDGES
SHEETS FROM 1000 TO 6000 mm	FROM	TO	WIDTH mm	
Ferro Chrome - Chrome Molybdenum and Stabilized Ferritic	2.0	6,5	1000	1020
	2,5	6,5	1250	1270
	3,5	6,5	1500	1520
Ferro Chrome Nickel Austenitic**	1,84	6,5	1000	1020
	2,5	6,5	1250	1270
	3,5	6,5	1500	1520
Ferro Chrome Nickel Molybdenum and Heat Resistant Austenitic	2,5	6,5	1000	1020
	3,5	6,5	1250	1270
	5,5	6,5	1500	1520

* Indicative values: limits to be confirmed for each stainless steel grade
** Ferro Chrome Nickel Manganese Nitrogen Austenitic available 321 for 1520 mm length, min. thickness 3.8 mm

THICKNESS TOLERANCES

THICKNESS	TOLERANCE*
2,00	± 0,12 mm
2,01 - 5,0	± 0,15 mm
5,01 - 6,0	± 0,18 mm
> 6,0	± 0,22 mm

Inner coil diameter:
610 mm (implicit) and 508 mm

CAMBER 20 mm every 5 metres

FLATNESS According to required standard

* Or asymmetrical tolerances of the same total range; thickness is measured 40 mm from the edge

WIDTH TOLERANCES

TRIMMED EDGES WIDTH mm	THICKNESS mm			
	2,00 ÷ 2,50	2,51 ÷ 3,00	3,01 ÷ 5,00	5,01 ÷ 6,50
150 ÷ 230	- 0 +0,50	- 0 +0,50	- 0 +2,00	- 0 +3,00
231 ÷ 609	- 0 +0,50	- 0 +0,50	- 0 +2,00	- 0 +4,00
610 ÷ 1524	- 0 +1,50	- 0 +1,50	- 0 +2,00	- 0 +4,00

MILL EDGES	-0 + 20

LENGTH TOLERANCES

LENGTH		TOLERANCE	
from mm	to mm	mm	mm
250	2000	-0	+4
2001	4000	-0	+6
4001	6000	-0	+8

Special requests of dimensions and tolerances will be evaluated upon need
ISO 9444-2 applicable to all dimensional tolerances

Finishes

FINISHES						
DESCRIPTION	ASTM A793 PATTERN B	AISI ASTM A 480	EN 10088-2	ACCIAI SPECIALI TERNI EQUIVALENT	SURFACE CONDITIONS	NOTE
Hot rolled, not annealed, not pickled		(HR)	1U	Black	Covered with mill scale	Suitable for products which are further processed (e.g. Strip for rerolling)
Hot rolled, annealed and pickled		1	1D	1	Free from scale	Normal standard to guarantee good corrosion resistance
Floor plates	√		1M	1M	Floor pattern	Patterned on one side

Finishes

1

Floor Plates

FLOOR PLATES SPECIFICATIONS								
Nominal thickness (mm)	3	3,5	4	4,5	5	5,5	6	6,35
Pattern thickness (mm)	1,39	1,39	1,39	1,52	1,52	1,52	1,52	1,52
Weight (kg/m^2)	30	33	38	41	45	48	52	55
Length (mm)	1000 - 6000							
Acciai Speciali Terni 304 MS - 304MSA - 304 DL	Width		1020, 1270 mm		Minimum thickness		3 mm	
			1545 mm				4 mm	
Acciai Speciali Terni 316 - 316 L	Width		1020 mm		Minimum thickness		4 mm	
			1270 mm				5 mm	

Antisliding characteristics of floor plates are certified according to DIN 51130
Dimensional tolerances are according to ASTM A793 Pattern B

Finishes

Floor Plates

STAINLESS STEEL

Arvedi AST

SERVICE CENTERS

Arvedi

Arvedi AST

Thanks to the CST and Terninox service centers, Arvedi AST offers a wide range of products and services on an international scale. Based on a large range of products from stock, state of the art equipment and high level materials expertise we offer standard and customized services and solutions for slitting, cutting-to-length and surface treatment.

An extensive certified quality management system and technical consultation ensures high quality end-to-end solutions and added value for our customers.

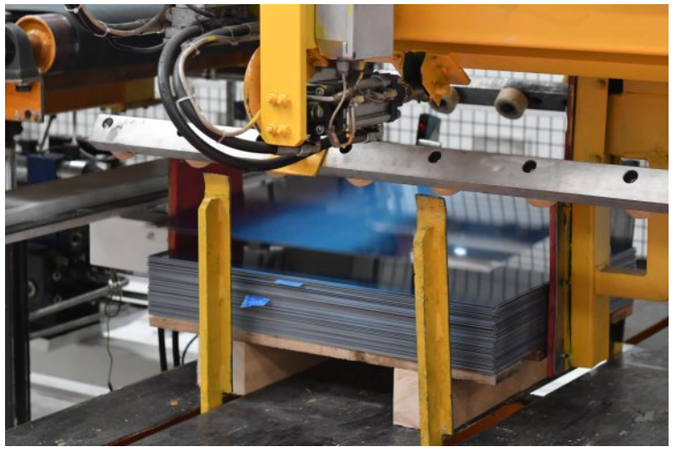
- **Customised packaging and shipping**
- **Supply chain solutions, including stock management**
- **Commercial and technical sales support**
- **Cutting and slitting**
- **Various finishing treatments**

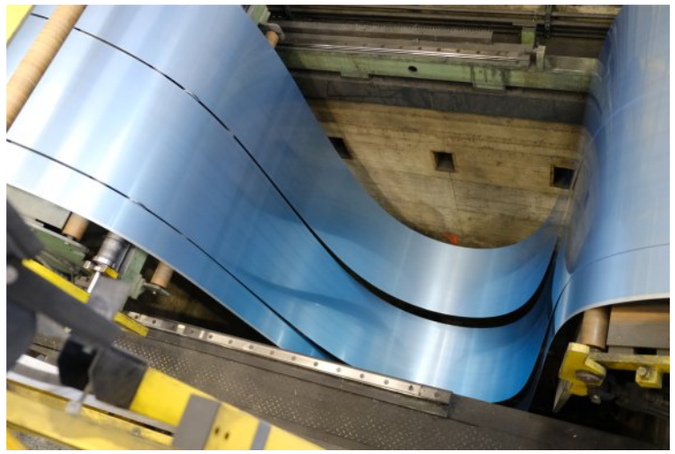
Centro Servizi Terni

A benchmark for high-quality processing in advanced industrial sectors and high-performance applications, our Service Center is located in Terni, in a strategic position close to production facilities. This location ensures an efficient supply chain and direct access to major Italian and European production sites.
At the end of the production cycle, the material can be further processed at the Centro Servizi Terni to meet the dimensional specifications and aesthetic requirements requested by the customer. Coils are processed into narrow strips, sheets through state-of-the-art slitting and cut-to-length lines.

The Service Center is also specialized in the offer of premium surface finishes, including Scotch-Brite and polished finishes, as well as pre-painted finishes achieved through a dedicated coil coating line.
The integration of production capacity and processing services enables the delivery of complete solutions, ensuring high quality standards, operational flexibility, and reliable lead times.

Location: Terni, Italia





Terninox

Chosen partner for the consumer goods sector and high-quality applications, our Service Center is strategically located close to major Italian stainless steel end users, and to access to Central European regions.
Starting from a careful analysis of customers' technical and commercial requirements, our team of experts develops customized solutions aimed at ensuring the highest level of service.
The synergy between tailor-made services and the high quality of our products enables our customers to fully focus on their core business, enhancing efficiency and competitiveness.

As a stainless-steel Service Center, we offer a wide range of services: from the availability of various grades and surface finishes, to cutting services (slitting and cut-to-length), as well as advanced packaging and supply chain management solutions. Our integrated approach enables us to optimize delivery times and ensure high quality standards throughout the entire value chain.

Location: Milan, Italy

STAINLESS STEEL

Arvedi AST

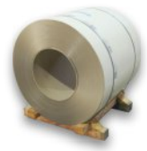
PACKAGING SOLUTIONS

Arvedi AST has invested in the progressive simplification of its packaging solutions.

Five standard packaging types are available, while specific solutions (special packaging) are provided for particular applications, destinations and transport requirements.

STANDARD PACKAGING

Eeye-to-the-side coils (96)



Eye-to-the-side coils (R1)

Eye-to-the-sky coils (V0)

Blanks (Q1)

Sheets (FF)

STANDARD PACKAGING	EYE-TO-THE-SIDE COILS		EYE-TO-THE SKY COILS	BLANKS	SHEET PACKAGES
	96	R1	V0	Q1	FF
Wooden frame		✓	✓	✓	✓
Outer protection with ribbed plastic sheet		✓			
Multiple strips			✓		
Protection for upper and lower package faces				✓	
Vertical edge-protection angle pieces				✓	
Upper package cover					✓
Horizontal edge-protections angle pieces					✓
Strip with radial straps	✓				

SPECIAL PACKAGING

EYE-TO-THE-SIDE COILS - WITHOUT WOODEN FRAME

	98/99	R9	RY	R7	RO	W1
Strip with radial straps	✓	✓	✓	✓	✓	✓
Outer protection with ribbed plastic sheet	✓		✓	✓	✓	✓
Edge-protection angle pieces				✓	✓	
Multiple strips						✓
Strip wrapped in plastic film					✓	

EYE-TO-THE-SIDE COILS - WITH WOODEN FRAME

	R8	RM	R4	RH
Wooden board	✓		✓	
Antiparasite wooden board		✓		✓
Outer protection with ribbed plastic sheet	✓	✓	✓	✓
Edge-protection angle pieces	✓	✓		✓
Multiple strips			✓	✓
Strip wrapped in plastic film		✓		

EYE-TO-THE-SKY COILS

	V1	V2	VC
Wooden board			
Antiparasite wooden board			
Outer protection with ribbed plastic sheet			
Upper ribbed plastic disc			
Edge-protection angle pieces			
Multiple strips			
Strip wrapped in plastic film			
Hygroscopic salts inside			

BLANKS

	Q4	QT
Wooden frame		
Antiparasite wooden frame		
Protection for upper and lower package faces		
Package wrapped in polythene paper		
Vertical edge-protection angle pieces		
Horizontal edge-protections angle pieces		

SHEET PACKAGES

	F1	F2	FT
Wooden frame			
Antiparasite wooden frame			
Upper package cover			
Protection between wooden frame and package			
Package covered with plastic film			
Horizontal edge-protections angle pieces			

For applications, destinations and particular transports, specific solutions are guaranteed (special packaging).

QUALITY, SUPPLY CHAIN

Customer requests, our daily commitment

HIGH QUALITY PRODUCTS DEMAND THE HIGHEST SERVICE STANDARDS.
We guarantee the highest quality in technical services and support.
We pursue a digital strategy integrated with automated sales processes, providing excellent solutions to optimise times and methods for managing customer requests.
With the supply chain we work to optimise our logistics processes in a functional and fast way.
From design to delivery, our sales and service network guarantees maximum efficiency.

- Quality Management System
- Dedicated Technical Support
- Supply Chain
- Packaging

QUALITY MANAGEMENT SYSTEM
AST's tradition of managing its production activities through a Quality Management System dates back to the 1970s, when it obtained the ASME (The American Society of Mechanical Engineers) Quality System Certificate. Today, Arvedi AST operates certified management systems in accordance with ISO 9001:2015 (Quality), ISO 14001:2015 (Environment), ISO 45001:2018 (Occupational Health and Safety) and ISO 50001:2018 (Energy), certified by DNV.

Arvedi AST also holds Material Organization certification in accordance with the standards of the American Society of Mechanical Engineers for its Forging Division, as well as IATF 16949:2016 certification (automotive) for the Terni Tube Mill and the CST and Terninox Service Centres.

Acciai Speciali Terni S.p.A. (Arvedi AST), including its Terni production site, Service Centre and Forging Division, has successfully obtained "Core Site Certification" from independent auditors DNV Italia to operate in accordance with the ResponsibleSteel™ standard. ResponsibleSteel™ is an international certification programme for the steel industry. In 2026, Arvedi AST also received DNV's ESG Recognition, acknowledging the adoption of certified management systems compliant with major international standards across the three ESG dimensions: Environmental, Social and Governance.

Arvedi AST also holds the following product approvals and certifications:

- Certification for the production and marketing of products intended for the manufacture of pressure equipment, in compliance with the Pressure Equipment Directive 2014/68/EU, Annex I, Section 4.3, and AD 2000-Merkblatt W0.
- Certificate of conformity of factory production control (CE marking) for the production of stainless steel sheet, plate and strip in accordance with EN 10088-4:2009.
- DNV Maritime and Lloyd's Register marine approvals for its stainless steel products.

Solutions designed to meet various needs

DEDICATED TECHNICAL SUPPORT
High product quality is accompanied by high service specialisation. We work to ensure the highest quality in the technical assistance and support service, as our customer's needs represent a constant commitment throughout each stage of the supply. Our technicians are available to customers to provide product insights, test applications and help them identify the product and finishes best suited to their manufacturing needs.

SUPPLY CHAIN / NEW LOGISTIC SOLUTIONS
From design to delivery, our network of service and sales centres allow us to closely support each customer and also guarantee maximum efficiency in delivery times. Our widespread presence on the market allows us to satisfy every request within competitive times, supported by an innovative IT system and by logistics that simplify and speed up the management of each process.

STAINLESS STEEL

Arvedi AST

OUR STAINLESS STEEL IS THE MATERIAL OF EXCELLENCE FOR MANY MARKET SECTORS

Cutting-edge products, quality and new investments to consistently meet customer needs with efficiency and flexibility.

Through its wide range of applications, Arvedi AST's stainless steel production contributes to innovation in some of the most crucial areas of progress.

Arvedi

Arvedi AST

Arvedi

Arvedi AST

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