

PRESENTATION

Acciaierie Valbruna S.p.A.

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80 STAINLESS Years

“ Product alone cannot make the difference... the man can “



The Beginning



'1925 - Ernesto Gresele founds AVEG (Acciaierie Valbruna Ernesto Gresele), a small company specialized in forgings just outside the city center.

'1939 - AVEG specialises its production in the long stainless steel products sector

'1942 -1945 - The company is completely destroyed by American bombardment

'1946 -1950 - The company is rebuild and enlarged.

'1972 - The entire company is moved to the new office in the industrial zone of Vicenza

'1976 - Commissioning of a new 4-strand continuous caster, the first in Italy for stainless steel. Start up of a new 1000 tons automated forging press.

'1983 - Production capacity is increased with the installation of a new 50 tons AOD converter. In the same year :

- continuous heat treatment line for coils-bars
- tunnel pickling line for coils
- tunnel pickling line for bars

The Growth



'1987 - Start up of Pomini continuous (bars/coils) hot rolling mill in combination with a new continuous coils heat treatment furnace.

'1992 - Doubled the pickling capacity for coils and for bars

'1994 - Meltshop upgrading

'1995 - Acquisition of the Bolzano Plant

'1996 - Bolzano melt shop re-engineering: third continuous casting strand and a new tons AOD converter. A salt bath pickling plant commissioning at Vicenza works.

'1997 - Electroslag remelting ESR plant start up.

'1998 - Continuous heat treatment furnace specialized for bars.

Today



'2000 - Doubled the cold drawn wire heat treatment capacity by installing a new line. In the same year: commissioning of a new coils pickling line in Bolzano.

'2001 - A new Stelmor sphere forming system installed in the Pomini hot rolling mill.

'2002 - New continuous furnace for treatment of coils in Bolzano. In the same year: ESR plant upgrading and start up of the new 4 strand continuous casting machine.

'2004 - Acquisition of Slater Steels in Fort Wayne - USA

'2005 - Start up of the new peeling pant



QUALITY



ISO 9001 : 2000

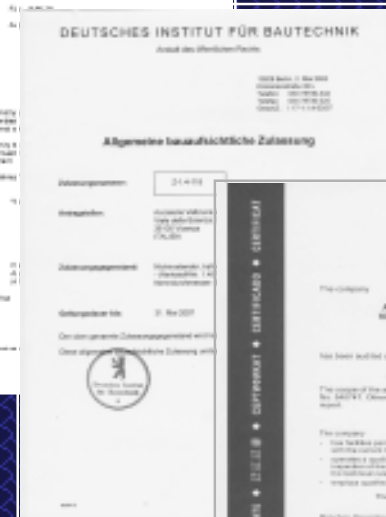
DET NORSKE VERITAS

CARES

ONTARIO

DIBT

TUV



WE ARE WHERE YOU NEED US



MILLS

ITALY: Vicenza
Bolzano
USA: Fort Wayne

ITALY
Ancona
Torino
Milano
Brescia
Parma
Bologna

EUROPE
Germany
France
England
Spain
Ireland
Denmark
Finland
Sweden
Poland
Switzerland
Netherlands

AMERICA
Canada
United States
Mexico

ASIA - OCEANIA

Hong Kong
Australia
Malaysia
UAE



VALBRUNA PRODUCTS



Wire Rods

Profile: Round

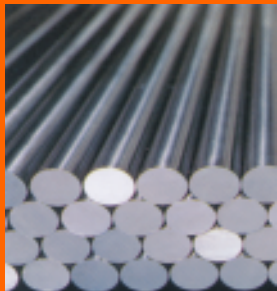
Working:	Min	Max
Hot Rolled	5,5	13
Stripped	5,5	13
Coil Weight	400 - 1400 Kg	
External Diameter	1250 mm	



Coils

Profile: Round - Square - Hexagon - Flat

Working:	Min	Max
Hot Rolled	13	34
Stripped	13	34
Coil Weight	400 - 1400 Kg	
External Diameter	1250 mm	



Round	Min	Max
Hot Rolled	27	155
Cold Drawn from coils	3	32
Cold Drawn from bars	32	80
Peeled	15	180
Peeled Reeled	15	180
Ground	2	155



Hexagons

Working:	Min	Max
Hot Rolled	8,5	72
Cold Drawn from coils	6	27
Cold Drawn from bars	27	72

VALBRUNA PRODUCTS



Angles

<i>Hot rolled</i>	Min	Max
<i>Thickness</i>	3	13
<i>Wideness</i>	20	100



Flats

<i>Working:</i>	Width min	Width max
<i>Hot rolled</i>	<i>see table of our web-site</i>	
<i>Cold Drawn from coils</i>	6	50
<i>Cold Drawn from bars</i>	22	60



Square and Billets

<i>Square</i>	Min	Max
<i>Hot Rolled</i>	6	80
<i>Cold Drawn from coils</i>	6	22
<i>Cold Drawn from bars</i>	22	60

Billets

	Min	Max
<i>Hot Rolled</i>	40	120

VALBRUNA PRODUCTS



Forged

<i>Round</i>	Min	Max
<i>Peeled</i>	155	250
<i>Turned</i>	250	400
Billets	Min	Max
<i>Forged</i>	120	-
Flat Bars	Min	Max
<i>Forged</i>	200	-



Wire

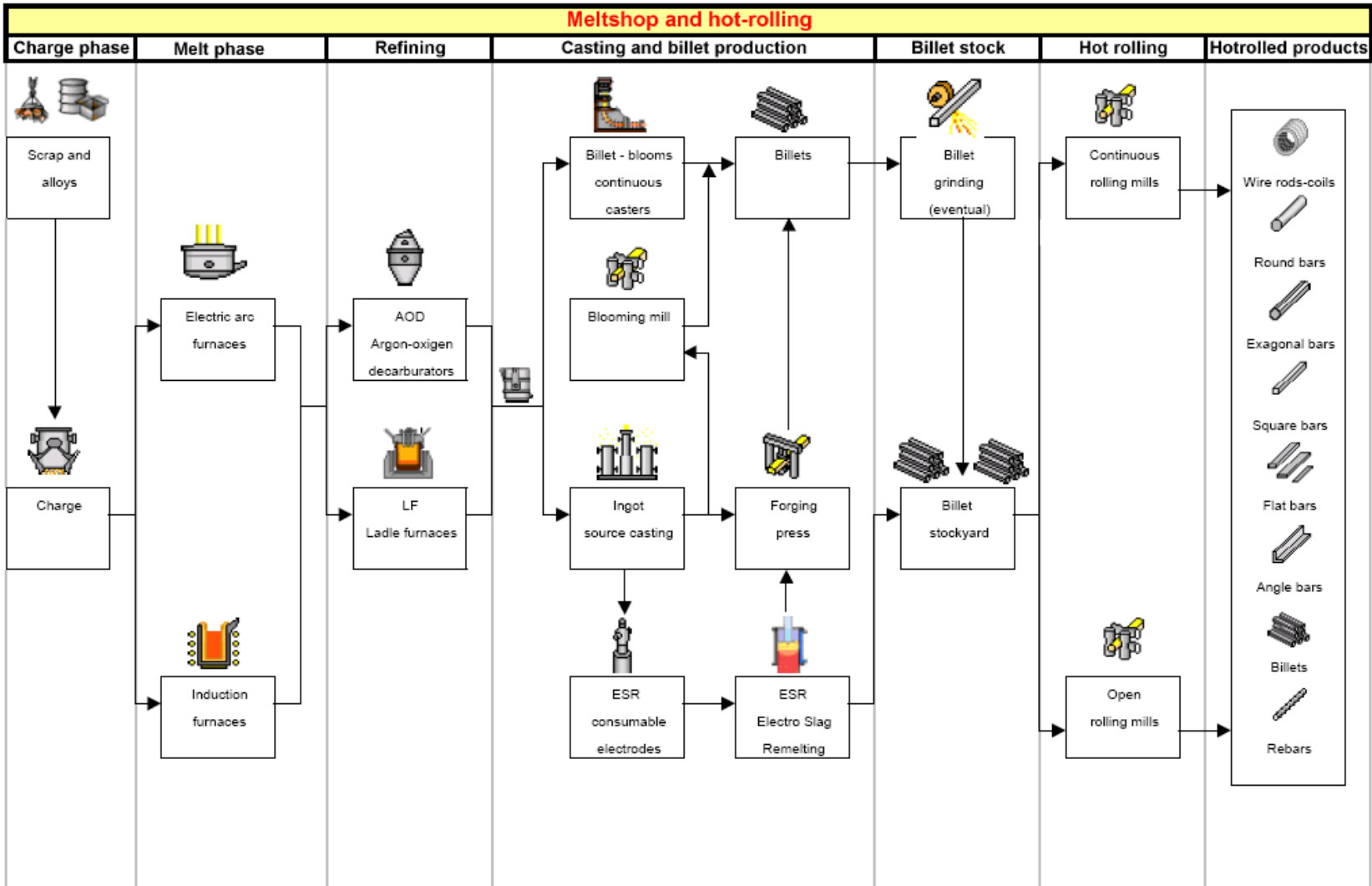
	Min	Max
<i>Size</i>	0,2	16
<i>Weight</i>	150 kg	800 kg
<i>External Dia</i>	700	1100
<i>Internal Dia</i>	400	800



Acciaierie Valbruna S.p.a.

Stainless steel, Titanium and Nickel alloys

ACCIAIERIE VALBRUNA STAINLESS STEEL PRODUCTION FLOW CHART



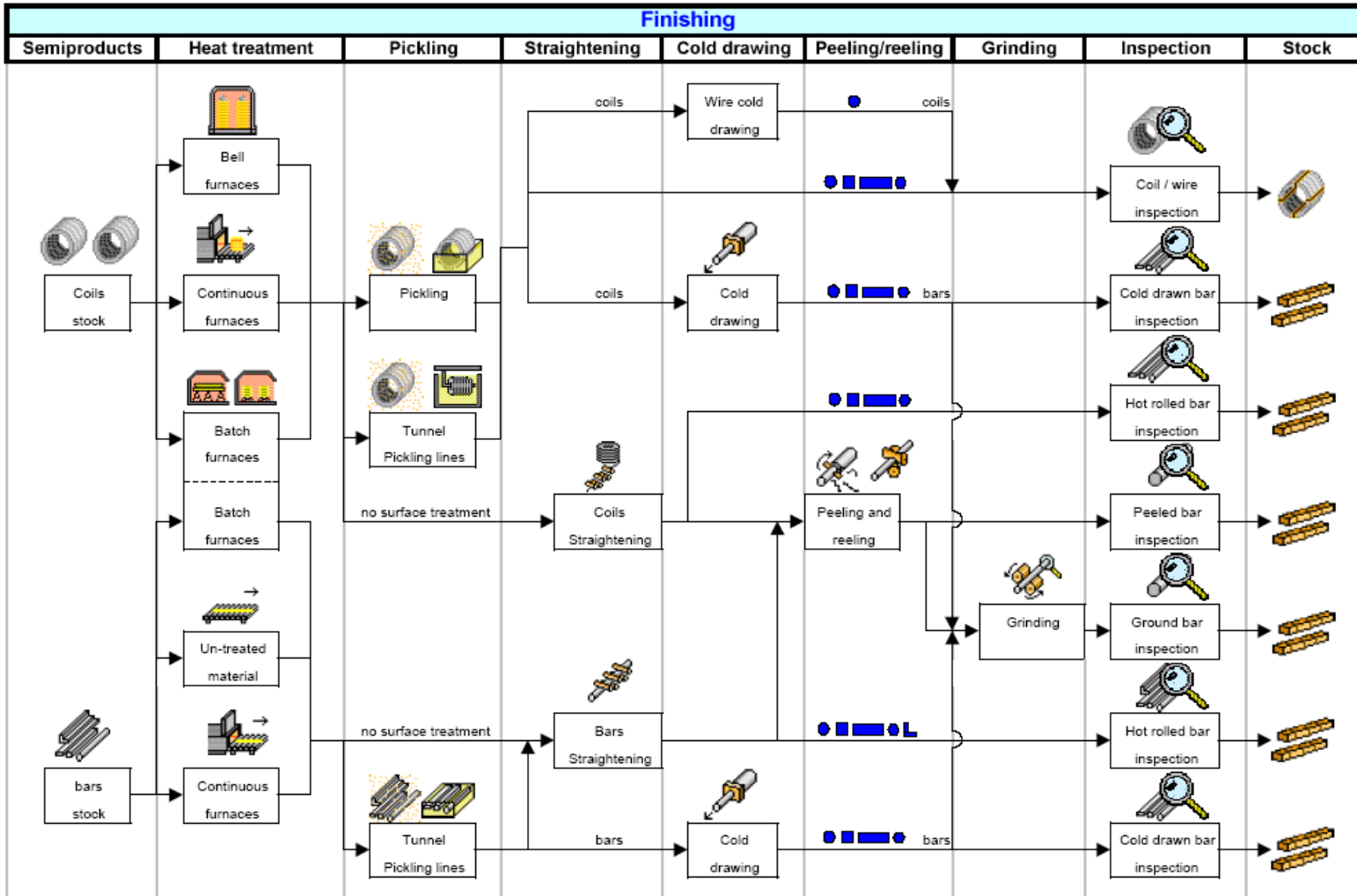
NOTE: This flow chart has an educative meaning, so it's only a rough representation of the real production process and logistic.



Acciaierie Valbruna S.p.a.

Stainless steel, Titanium and Nickel alloys

ACCIAIERIE VALBRUNA STAINLESS STEEL PRODUCTION FLOW CHART



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STAINLESS, NICKEL ALLOYS AND TITANIUM IN POWER GENERATION

Stainless steels and other corrosion resistant alloys are extensively used in the power generation industry to combat corrosion, particularly at elevated temperatures.

Stainless steels



VALBRUNA	COMMERCIAL NAME	EUROPE DESIGN. WST.n.	JAPAN DESIGNATION
VAL 1B	403 (AISI)	1.4000	SUS 403
VAL 1C	403Cb		
VAL1P	410 (AISI)	1.4006	SUS 410
VAL2A	420 (AISI)	1.4021	SUS 420J1
VAL2MV	X22CrMoV12-1	1.4923	
X134	X3CrNiMo13-4	1.4313	SCS 5
V145	C450	1.4594	
X122MV	X12CrNiMo12	1.4939	
VAL2W	422 (AISI)	1.4935	
VAL2MCV	X19CrMoVNbN11-1	1.4913	
X164M	X4CrNiMo16-5-1	1.4418	

Nickel Alloys

VALBRUNA	COMMERCIAL NAME	EUROPE DESIGN. WST.n.	JAPAN DESIGNATION
GL1	Alloy 600	2.4816	
GL2	Alloy 80A	2.4952	
GL3	Alloy 625	2.4856	NCF 625
GL8	Alloy 718	2.4668	
AN1	Alloy 800HT	1.4876	NCF 800
AN2	Alloy 825	2.4858	NCF 825
AN5	Alloy A286	1.4980	

Titanium

VALBRUNA	COMMERCIAL NAME	EUROPE DESIGN. WST.n.	JAPAN DESIGNATION
Ti Gr. 5	6Al - 4V	3.7164 - 3.7165	

STAINLESS, NICKEL ALLOYS AND TITANIUM IN POWER GENERATION

