

COLD DRAWN AND ROLLED STEEL



Interactive **Index**

- **THE PITTINI GROUP**
- **SIAT: A COMPANY INTEGRATED INTO THE GROUP**
- **CIRCULAR ECONOMY**
- **COLD ROLLED FLAT PRODUCTS AND DRAWN WIRES**
- **PRODUCT RANGE**
 - **DRAWN WIRE**
 - **COLD ROLLED FLAT STEEL**
 - **COPPER-COATED WIRE**



THE PITTINI GROUP



1° manufacturer
of long-steel products in Italy



3 mio/year
of steel produced



24
production facilities

Pittini Group, with an over **60-year-long experience in the steel industry**, has a leading position in the production of long products for the construction and engineering industry.

With an annual production of 3 million tons, 21 production facilities and 2,000 employees Pittini Group is a solid industrial company, pursuing constant growth through high-tech investments, product innovation and a **careful environmental sustainability policy**.



3

Meltshops with electric arc furnace (EAF)



5

Wire rod and rebar rolling mills



9

Cold processing plants for electro-welding wire meshes and coils



4

Cold drawing plants and welding wire production



3

Plants for aggregate products

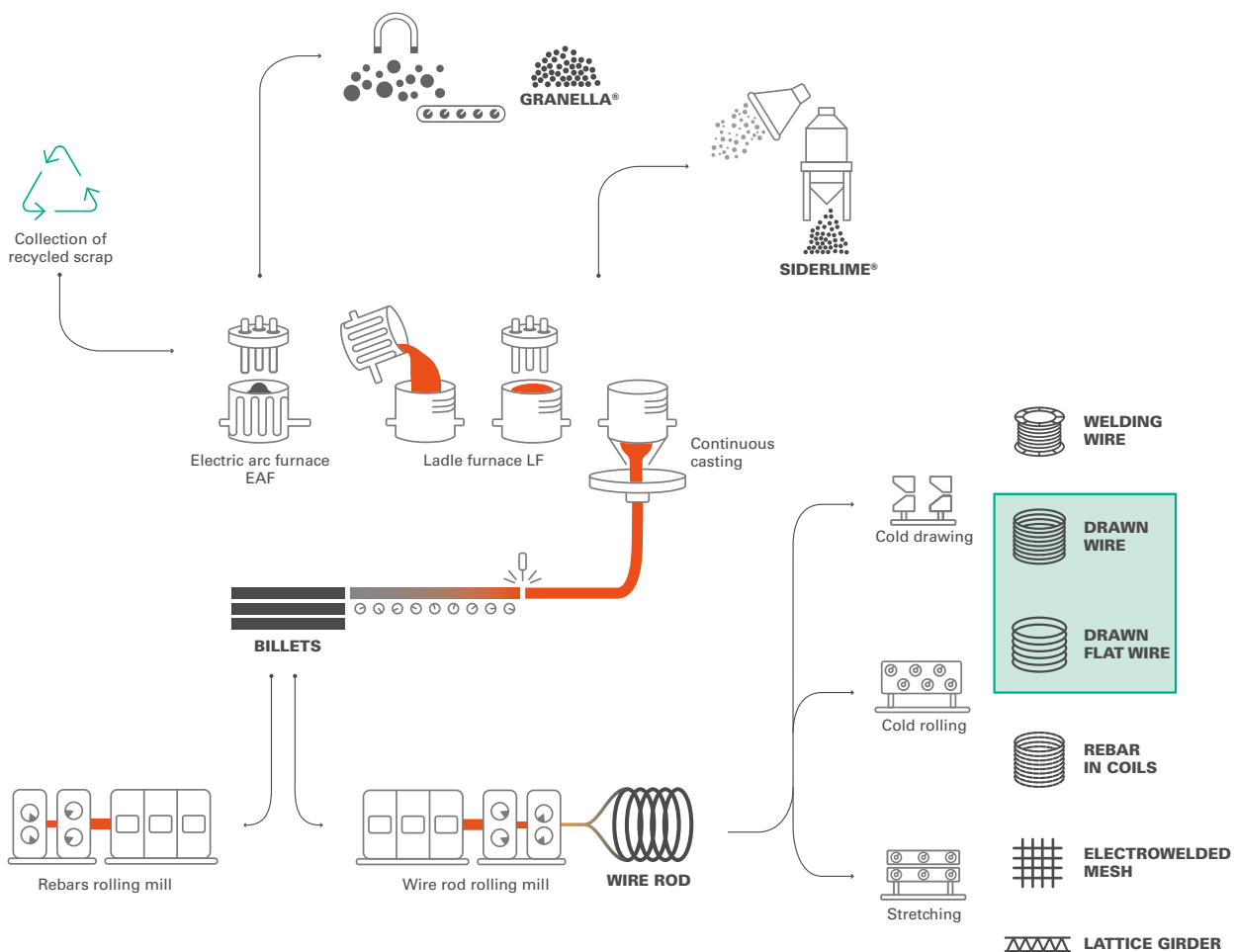




SIAT: a COMPANY INTEGRATED into the GROUP

SIAT - Società Italiana Acciai Trafilati S.p.A. - joined the Pittini Group in 1972 as part of the Group's vertical integration process with PITTINI steel at the start of the supply chain and drawn wires and cold rolled flats as the end product.

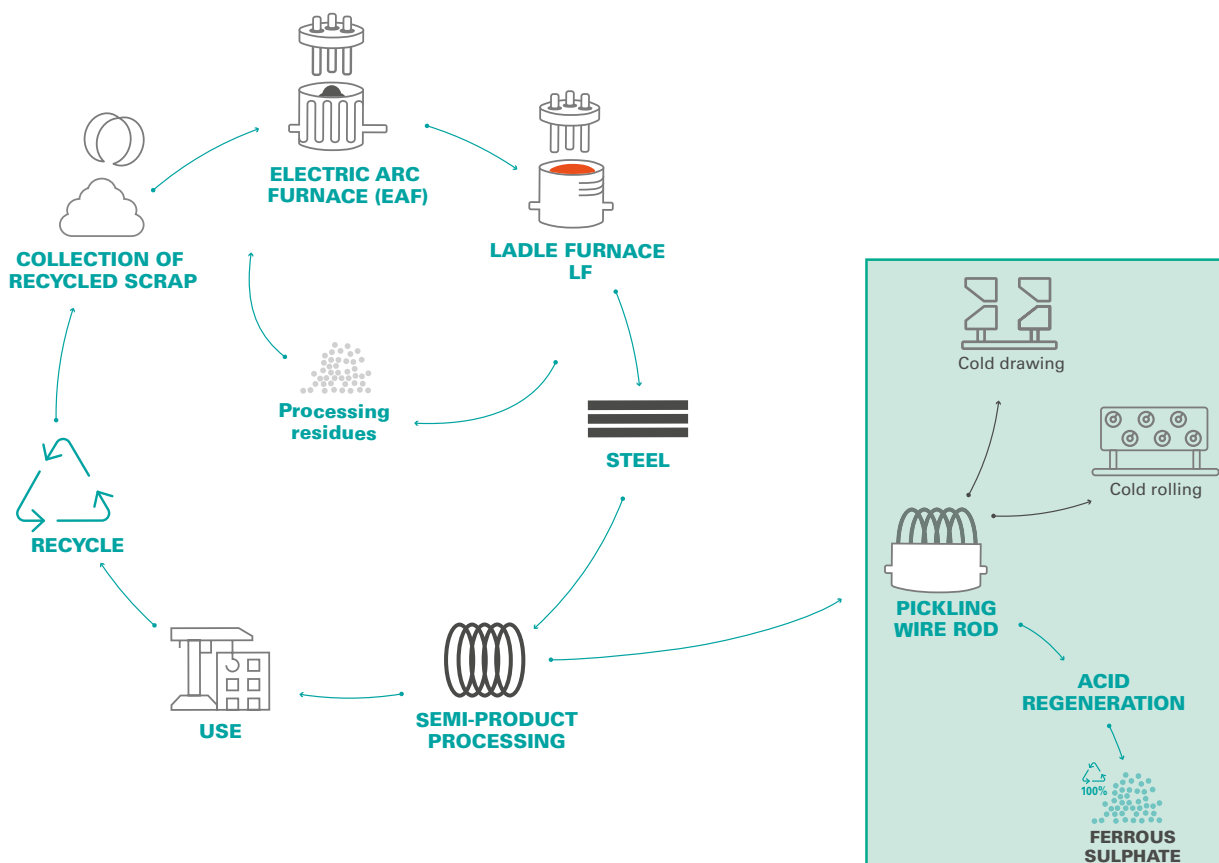
Fully integrated into the Group's production processes, SIAT has deployed the same innovative approach in its field of application. Thanks to **constant and accurate controls** throughout the cold drawing and rolling process, SIAT is able to offer constant quality products for diverse industrial sectors, which together with a precise and customized service, confirm its leadership at an international level.





CIRCULAR ECONOMY

The Pittini Group produces steel from **recycled ferrous materials** using an **electric arc furnace (EAF)**, the most sustainable and environmentally friendly technology for this type of production.



Since the 1990s, the Pittini Group has been promoting the circular economy through its **Zero Waste** initiative, an approach that transforms steel production into a virtuous cycle where nothing is wasted: processing residues do not become waste, but are valorised and recycled as new resources, reducing energy consumption and minimising environmental impact. Siat has transferred the same attention

to environmental impact within its own organisation.

One example is the treatment of acids used for the chemical pickling of wire rod. In this case, Siat regenerates the spent acids instead of disposing of them, obtaining **ferrous sulphate**: a product that becomes a high-quality raw material in the cement production chain and in agriculture.





COLD ROLLED FLAT PRODUCTS and DRAWN WIRES

SIAT produces cold rolled flat products and drawn wires, obtained from processing **carbon wire rods**. SIAT products are used by the **mechanical** and **plant engineering industry**, as well as the **automotive, household appliance, furniture** and **construction** sectors.



Annual production
130,000 tons



2 production facilities



EPD - Environmental Product Declaration

With the experience and **know-how of the Pittini Group**, the company serves various application sectors, each with specific requirements in terms of quality, precision and customisation of service. The result of this expertise is a range of drawn wires and cold-rolled flat products that maintain **consistent performance**, guarantee an **excellent surface finish and have minimal tolerances**, as the most suitable technical characteristics for each specific application have been identified.

Collaboration with the customer, the accuracy and flexibility of the processes are the underlying factors of a working method that makes it possible to develop solutions for special applications, creating products with specific chemical, mechanical and technological properties.

In 2025, Siat products obtained the ***Environmental Product Declaration (EPD)***.



PRODUCT RANGE





DRAWN WIRE

The use of wire rod produced in the Pittini Group's steelworks guarantees control, uniformity and consistency in the mechanical characteristics of the drawn wire, making it particularly suitable for processing with **automatic systems**.

Latest-generation, versatile and flexible systems allow for a wide range of polished drawn wire in terms of both diameters and packaging, with the possibility of producing to **specific customer requirements**.

Drawn wires are suitable for all **surface treatments**, such as chrome plating, galvanizing, plastic coating, painting and nickel plating.

Drawn wires are **used in many fields** such as: electric appliances, furniture, automotive, metal small parts, screws, mechanical industry in general.

Thanks to their reliable mechanical characteristics they are suitable for machining with automatic systems **2D and 3D bending**.

SIAT cold drawn wires range goes **from 2.0 mm up to 14.5 mm**.

Drawn wire are in compliance with the following standards:

- EN ISO 16120-2, (ex 10016-2) C4D;
- EN ISO 16120-2, (ex 10016-2) C7D;
- EN ISO 16120-2, (ex 10016-2) C9D;
- EN ISO 16120-2, (ex 10016-2) C10D;
- EN 10263-2 C4C;
- EN 10263-2 C10C;
- EN 10277-2;
- others qualities on demand.

SIAT completes its range of drawn wires with cold-drawn low-carbon steel in **square section**, **twisted wires**, and, on request, with **bonderized wires** for cold forming.

PACKAGING				
Type	Ø	Weight	Ø internal	Height
Spooled coils	2.0 ÷ 14.5 mm	800 ÷ 2,000 Kg	530 mm	600 mm
			600 mm	500 mm
	5.8 ÷ 14.5 mm	1,500 ÷ 4,000 Kg	600 mm	700 mm
Spiders (a)	2.0 ÷ 4.0 mm	1,000 Kg	400 - 500 mm	1,100 mm max
Twisted wire in coils	4.0 ÷ 6.0 mm	1,000 ÷ 2,000 Kg	530 mm	600 mm
			600 mm	500 mm

Our bright drawn wires are now certified with the **EPD - Environmental Product Declaration**. The EPD comprehensively documents consumption and impact, providing our customers with reliable and comparable data for their design and purchasing decisions.



At the new **SIAT³** plant in Majano (UD), dedicated exclusively to the production of drawn wire, 2,020 photovoltaic panels have been installed, with a total power of 878.7 kWp. The plant will produce approximately **979,000 kWh of renewable energy per year**, covering between 30% and 40% of the site's energy needs.



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COLD ROLLED FLAT STEEL

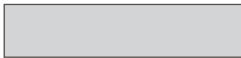
Thanks to our state-of-the-art, fully automated production lines, we are able to manufacture a wide range of extruded profiles, both standard and custom-designed to the customer's specifications.

With a production capacity of **more than 80.000 tons/year** SIAT supplies all the biggest European industries of **windows mechanisms, furniture, household appliances, automotive, displaying** and **shop fitting**.

SIAT cold rolled flats are produced according to **EN 10139 standard**.

Our cold rolled flat steels produced at the Gemona del Friuli (UD) plant are now certified with the **EPD - Environmental Product Declaration**. The EPD comprehensively documents consumption and impact, providing our customers with reliable and comparable data for their design and purchasing decisions.



PACKAGING	Type	Spoiled coils	SECTIONS	
	Weight	1,000 ÷ 2,500 Kg		
	Ø internal	400 - 500 mm		
	Ø outside	800 ÷ 1,250 mm		Sharp or round edged. Profiled sections are available on demand.
	Height	300 - 380 - 500 mm		

RANGE																																	
Width (mm)																																	
Thickness (mm)		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
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COPPER-COATED WIRE

SIAT manufactures copper wires having diameters up to 6 mm that can meet all market demands.

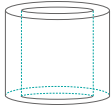
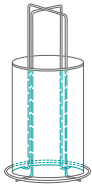
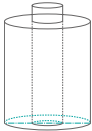
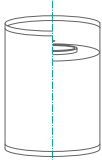
Copper wires are cold rolled.

Following reduction, wires undergo electrochemical pickling and then coppering so as to obtain **fully adhering copper plating** with variable thickness **from 0.1 to 0.6 µm** according to customers' requirements or specifications. All products are available in various packaging solutions up to a weight of 1,000 kg.

SIAT copper wires are available as per the following standards:

- EN ISO 16120 2 C4D
- EN ISO 16120 2 C7D
- EN ISO 16120 2 C9D
- EN ISO 16120 2 C10D
- EN 10277 2.

The copper wire is used in many applications, including: production of welding wire baskets, production of frames for car seats, hooks and hanging systems.

PACKAGING				
Type	Weight	Ø Internal	Ø Outside	Height
 Spooled coils	1,000 Kg	540 mm	890 mm	600 mm
 Stem frame	700 - 1,000 Kg	450 mm	750 ÷ 850 mm	1,500 mm
 Coil	700 - 1,000 Kg	450 mm	750 ÷ 850 mm	700 - 1,000 mm
 Drum	390 ÷ 1,500 Kg	-	580 ÷ 1,000 mm	940 ÷ 1,000 mm





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