Company Profile

english





SINTERLECHE Satisfy your needs. Inspire our quality.

powered by

Company Profile

english

p. 2	Who is Sinterleghe
p. 4	Vision
p. 6	Values
p. 8	Mission
p. 10	Quality
p. 18	Patents
p. 22	History
p. 26	Global Network Partners

Sinterleghe is a Lean Enterprise supported by enabling technologies of 4.0 industry that designs, produces and sells dressers, electrodes changers and dressing tools.

Our products, worldwide patented, are approved and purchased from the most important automotive plants and are used for the automatic change and dressing of electrodes for spot welding guns.

Sinterleghe ambition is to supply to all partners and customers advanced technological solutions with high quality products and a fast lead time.

Who is Sinterleghe

Leader in design, production and sales of dressers, electrodes changers and hard metal cutters to dress resistance welding electrodes.

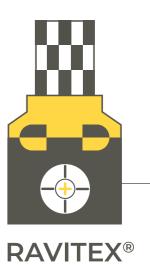
Founded by **Eugenio Tedeschi** in 1989, Sinterleghe has grown thanks to its own development of a Know-How that has allowed to diversify its offer getting to **high quality standards**.

Thanks to its persistence Sinterleghe has conceived new **design solutions** up to become **patents**. This is an added value for the company that has made innovation and technological evolution its strengths.

Today Sinterleghe is a reference partner for big international groups in the automotive production.

The whole know-how and value stream, design, production, sale, accounting is centralized at the headquarter in Anzola d'Ossola (VB), Italy.

Our products, identified by the registered trademark **Ravitex**[®], are sold on 4 continents through our Ravitex[®] Global Network Partners, which guarantees pre- and post-sales support.



Our products are known and used everywhere worldwide with our trademark Ravitex[®]

Vision

Satisfy your needs

Inspire our quality



Values

Safety	1	Health and safety of our employees are the business priority
Ethics	$\hat{\mathbb{Q}}$	Transparency, fairness, honesty
Respect for people	S. N	We velcome human resources regardless of their gender, age, race, nationality, religion, psychophysical conditions and socio-economic
Ongoing training		We encourage the development of multidisciplinary skills with the creation of multifunctional teams, in which high-level performance grow in a culture of honesty, authenticity and healthy conflict with the goal of value and develop new skills
Ongoing improvement		We believe that the main characteristic of an improvement is its constant implementation in the environmental, economic and social fields
Communication		The communication, in all its forms, is the main tool to interact with others, transparency represents truthfulness and quality. For this reason, we implement and we share visual systems such as the Matrix business strategy A3X, planning visual board, skill matrix, where you can compare through clear data/facts and track KPIs



Your needs. Our mission



One Mission, an unequivocal goal

Mission: dominate the know-how to produce and evolve applications in the field of dressing and automatic electrode change integrating them with all the potential of industry 4.0 with the unequivocable goal of creating value for all our stakeholders.

Sinterleghe has strengthened its growth on the global market through the **design and manufacture of technologically advanced products**. The key point of Sinterleghe is the **development of new products** and **technological innovation**.

A daily commitment

9



The proof are our **patents** and the **markets**, 90% of which is represented by export to the main player in the automotive sector, VW AG group in the first place.

Since 2017, significant investments have been made to transform the business organisation in a **Lean Enterprise**. Especially investments concerned new infrastructures, technologies 4.0 industry production, training and new hires.

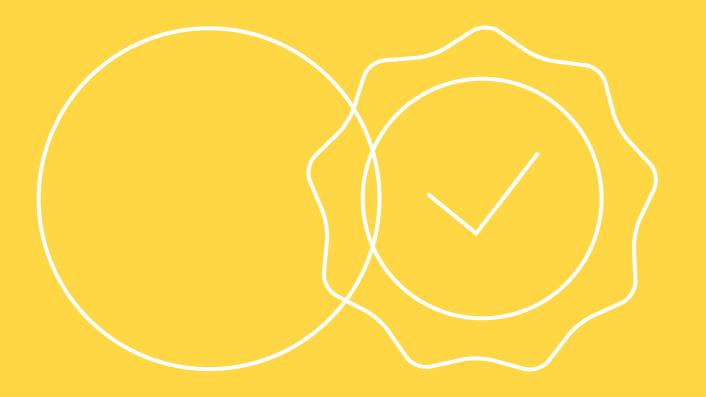
Maintain an **ongoing improvement of our products monitoring all the data** that will ensure constant growth in the environmental, economic and social field

Value our internal process to manage the incoming demand

Make products and projects for our stakeholders being sure to follow our **quality** and **economic sustainability ethic**

Supply to all our partner and customers high quality products with competitive prices and a fast lead time

Keep a positive attitude to support our stakeholders and their request of high quality, safety, respect for the environment and economic sustainability Your needs. Our quality.





01.	Be compliant to our customers' needs
02.	Shared supervision of the process
03.	Problem solving
04.	Repeatability of the process also for large series
05.	Preventive maintenance for all our machines and tools
06.	Unique performances on the market

Ravitex[®] technology: goal orientated

Thanks to investments on infrastructures, production facilities and staff training, Ravitex[®] technology has been developed. Our brand is a warranty of quality and singularity of purchased products.

Sinterleghe internationally is placed at the top for competitiveness, speed and reliability. Ravitex[®] technology has enabled innovative product development, able to improve **efficiency** and **quality** of **welding lines**. Our aim of increasing production capacity, quality, safety and respect for the environment, has been pursued and achieved through the implementation of the most advanced technologies and equipment for the production of Dressers, electrodes Changer and cutters that allowed to **elevate their performance**.

In Sinterleghe's plant of Anzola d'Ossola, has been made a Test Area with robot, welding gun and all Ravitex[®] products. Here we test our products and we also **train** technical staff (agents, dealers, maintenance staff, etc.) through **practical demonstrations**.

Goals achieved with Ravitex[®] technology

01.	Longer electrodes life
02.	Hard metal cutter life:
	60.000 dressing cycles
03.	Less than 30 seconds to change
00.	and dress an electrode
04	Cutter constantly cleaned
UT .	and suction of chips without
	dispersion to the ground
05.	Reduction of line downtime
06.	Creation of special shape
00.	hard metal cutters for every type
	of tip dresser brand and a short
	lead time
07.	Reduction of injuries risk
U 7.	for the replacement of electrodes
	and cutters
08	Optimisation of welding point
U0 .	after dressing





Why choose us as a partner

Sinterleghe puts its experience, knowledge and professionalism at customer service.

The goal is to meet the most advanced needs in the dress and change of electrodes' sector by the development of a business process reengineering and redesign that passes through technological innovation and constant development of product and process.

Technological innovation

Sinterleghe's design ideas have become patents, an important guarantee for consumers that testifies the **originality** and **quality** of Ravitex[®] products.

$\left\{ \begin{array}{c} \psi \\ \psi \\ \psi \end{array} \right\}$

Experience and know-how

Collaboration with the major automotive players worldwide has allowed Sinterleghe to develop a **solid know-how** and **in-depth knowledge** of the market reference.

High quality

Ravitex[®] products meet the needs of the most advanced lines of production achieving high goals in terms of reduction of process costs, increase in production capacity, quality and respect for the environment.



Customer care

Ravitex[®] products come from a careful analysis of our customers' needs, enabling a relevant customer experience and with a high rate of customisation.



Services focused on needs

An excellent customer care is Sinterleghe focus, by offering assistance, support, training and professional advice. Our aim is to satisfy our customers and achieve the highest quality level.

6

Technical service

The technical staff is very well trained to solve any type of problem and very supportive helping out using Ravitex[®] products.

Spare parts support

The spare parts supply is highly professional. We respond to each customer needs efficiently and quickly, maintaining our high-quality standards. We also have stock of our components located at our branches and partners.

Technical training

Sinterleghe organises professional courses (e.g. equipment operation, maintenance & application, etc.) with the target of acquire specific technical skills. For this purpose, at the Anzola d'Ossola headquarters, an equipped area has been set up with robots, welding guns and all Ravitex[®] products.

Company Profile

Ravitex[®] products: the result of investment, innovation and quality

Ravitex[®] products feature are based on our worldwide customer needs. Their performance is the result of intellectual innovations and process quality.

The use of CNC machines enabled for 4.0 industry, allow the product quality constancy thanks to process control. The use of robots for their enslavement guarantees a high flexibility of production capacity. This approach has led to internal and outsourcing process optimisation, reducing delivery times.

All mechanical machining is carried out at the Anzola d'Ossola (VB) plant thanks to the high productivity CNC machines. The process is managed and controlled from a single management software. A metrology room, with controlled temperature, guarantees complete dimensional control of the entire production range.

List of brands where Ravitex[®] RX patent EP 2193003 cutter can be installed

Europe: Sinterleghe, Aeg, Brauer, Lutz, Abb, Gem, Amdp, Exrod, Rotec-Tooling

USA: Semtorq, Stillwater, Retek

Japan: Kyokutoh, Obara

Brasil: Kappen

Korea: KDC

The hard metal three blades can be adapted to every type of bush.

Machine plus (dressers & electrodes changer)

Compact dresser and changer with 3 patented components integrated

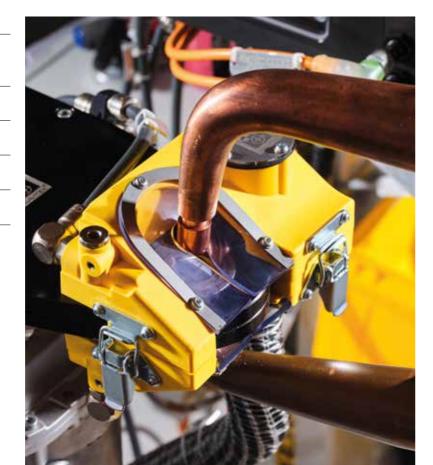
Less programming time on the robot

Highest number of electrodes kept in a magazine with 30% smaller overall dimension comparing to our competitors

Possibility of simultaneous charging of the electrodes

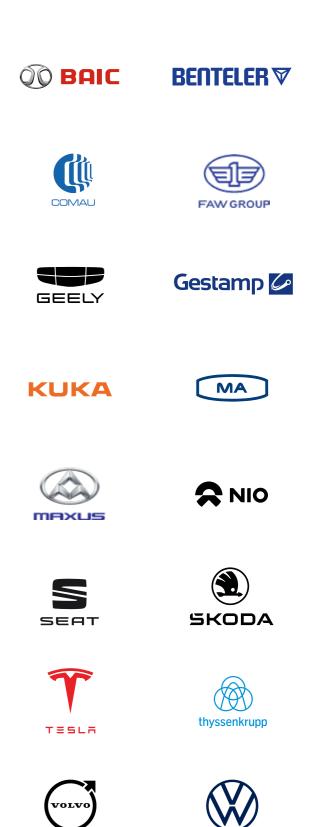
Patented release system that allows extraction of the electrodes clockwise and counterclockwise

Industry 4.0-friendly solution for replacement and continuous electrode power supply up to 500 electrodes

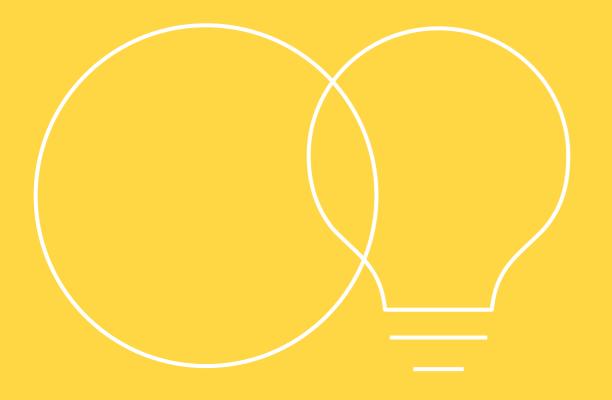




They trust us



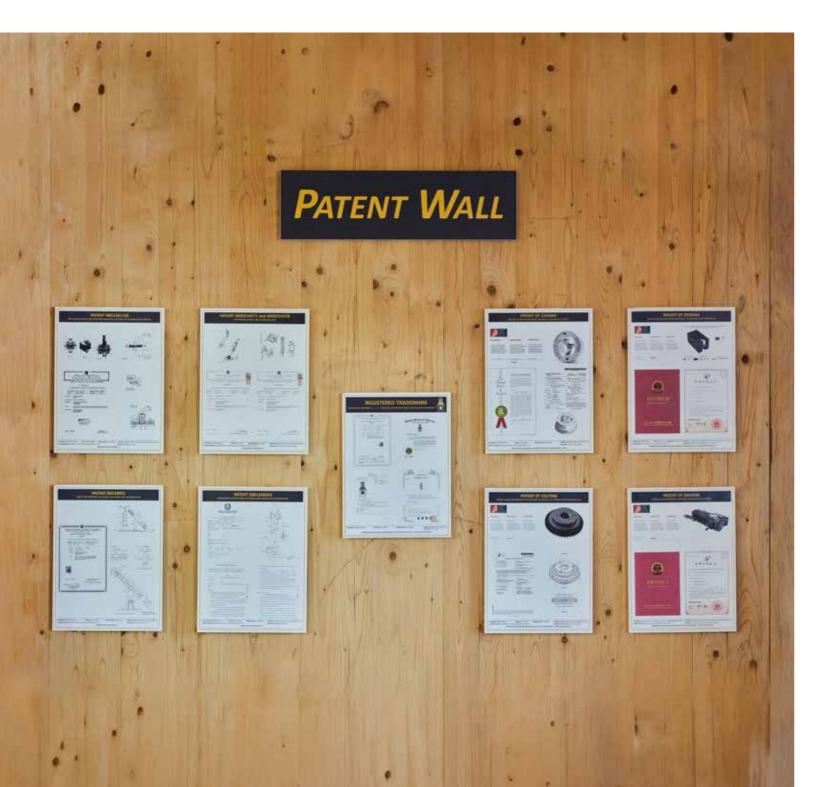
Your needs. Our patents.





Solutions that become patents

The ability to listen to the needs of its customers is demonstrated by 9 patented technological innovations that meet their requests and certify Sinterleghe's know-how in the industrialisation of product and process and in the research and development fields. Sinterleghe keeps designing solutions that becomes patents, thanks to its perseverance in realising the ideas. Our patents protect the talent and the company know-how and are a warranty for all those who seek authenticity and quality of the products purchased. This is an added value that only original author and manufacturers can give.



01.	Registered trademark Ravitex®			
02.	Patent No. 00239855	L s v		
03.	Patent No. 0000254577, 0000254578	S		
04.	Patent No. 0001338264	C V		
05.	Patent No. 0001361126	S		
06.	Patent EU: EP2193003; USA: US 8449231; Brasil: PI 0811814	C		
07.	Patent USA: US 10,618,129 B2; Korea: 10-2111186; China: ZL 201380079531.8; Mexico: N° 375854; Canada: 2,922,869; EU - Japan - Brasil – India - Thailand: being released	۲ f		
08.	Patent EU: EP 3043949; China: CN 105722632B; USA - Japan - Brasil - Korea - Canada - Mexico - India: being released	F		
09.	Patent EU: EP 2938454; China: CN 201380074366.7; USA: US 9417192; Japan: J6266776; Mexico: 362326; Korea: 10- 2059711; Canada: 2899534; Brasil - India - Thailand: being released	g		
10.	Patent EU: EP 3227046; China: CN 107206537; USA: US 15533363; Japan: J6564038; Brasil: PI 0811814; Korea - Canada - Mexico - India: being released	C V		

Our logo has been created to identify the company's products through a registered trademark

Unit for dressing electrodes carried by a gripper stationary part of an automated plant of spot welding

Support device of a head for dressing electrodes of a welding robot

Device for electrodes replacement on spot welding robot

Sensing device to check welding electrodes or wire guide torches in welding systems

Cutter for dressing resistance welding electrodes

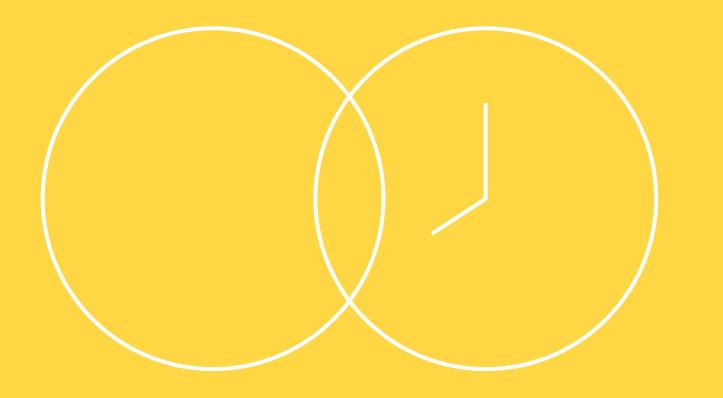
Automated adaptive maintenance system for welding guns' electrodes

Power supply device for the electrode's capsule

Optical device to detect the quality of welding guns' electrodes

Device	for e	lect	rode	es r	epla	ace	eme	ent	on	spo	ot
welding	robo	ot									

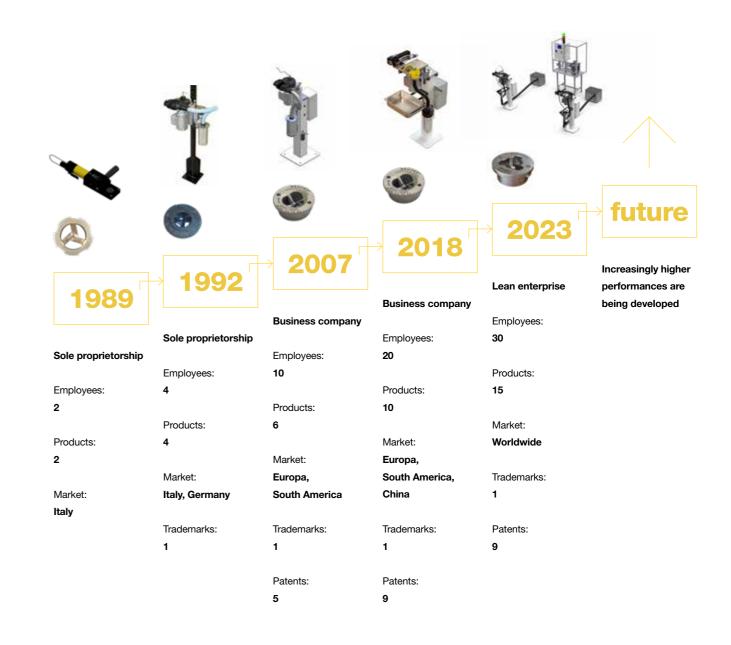
Your needs. Our story.



A story that speaks of future

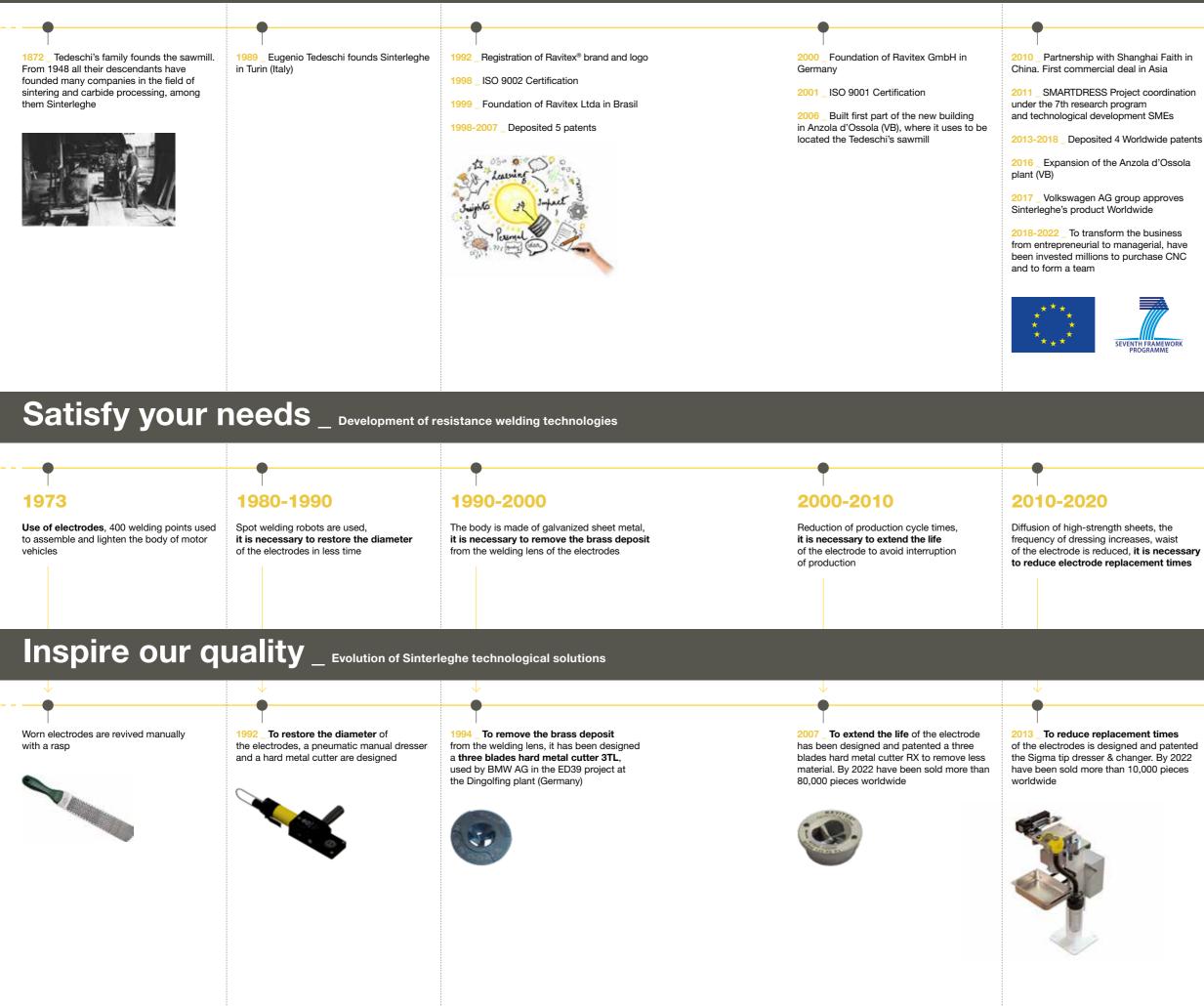
Speak of Sinterleghe, means speak of the path followed during the years to become the company of today.

Continuous research of improvement is what this path is made of. This is what makes Sinterleghe continuously improving, succeeding and bringing value not only to the company itself and its customers, but the stakeholders too. Valuing talent and ideas of each member of the team is a powerful tool to evolve the entire organisation and create economic value.



Founded in 1989, Sinterleghe, has developed and internalised its own know-how, the design, the supply chain and the sale. This has allowed the company to grow and differentiate its offer by reaching high quality standards.

The performance of Sinterleghe products has allowed the sale on a worldwide level to the most important cars manufacturers and qualify as worldwide leader.



2021 _ Launch of the Ravitex Global project Network Partners, grant of use of the Ravitex brand in Turkey

2023 _ Sinterleghe is a Lean Enterprise supported by enabled 4.0 technologies





Use of aluminum sheets: to lighten the weight of electric vehicles and support the quality and efficiency of spot welding lines, it is necessary have more efficient technologies in the dressing and automatic electrode change field

2023-... _ More efficient technologies have been industrialised through a process

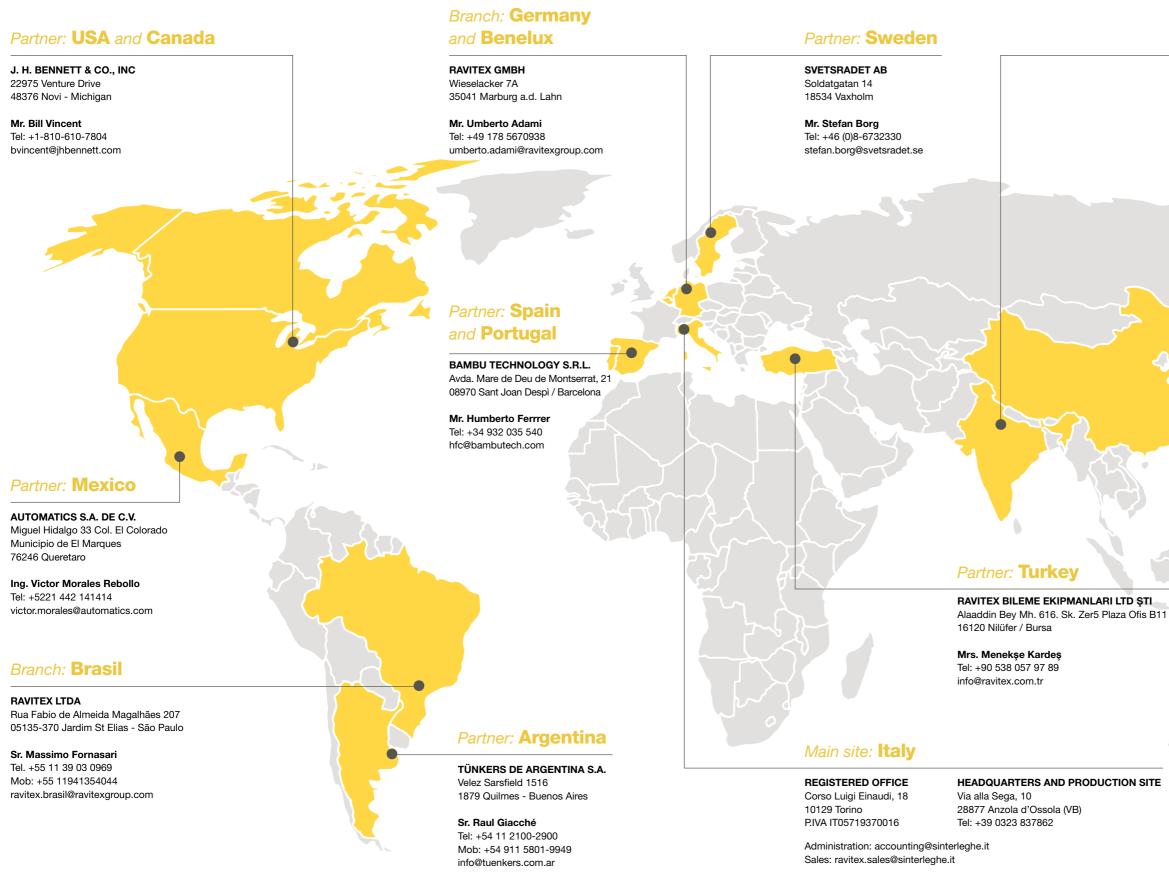
and product redesign.

- RX cutter: dresses and polishes the electrode simultaneously
- Sigma tip dresser & changer: solution for continuous external loading up to 500 electrodes to power 2 to 4 devices simultaneously
- Other innovative devices are being developed, will be commercialised from 2024



Global Network Partners

Check your Country's partner: www.sinterleghe.it. To become part of our sales organization, send e-mail to: ravitex.sales@sinterleghe.it



Partner: India

NATASHA ENTERPRISES

211, DLF Towers, 15, Shivaji Marg, Delhi-110015

Tel: +91 11 42263403 Mob: +91 11 42283196

Mr. Roshan Taunk rt@natashaenterprises.co.in

Partner: China

SHANGHAI FAITH CO., LTD. No. 258 Xinzhuan Road Songjiang Discrict 201612 Shanghai

Mr. Lin Xia Tel: +86 5852 7451 Fax: +96 5852 7461 xl@faithmfg.com.cn





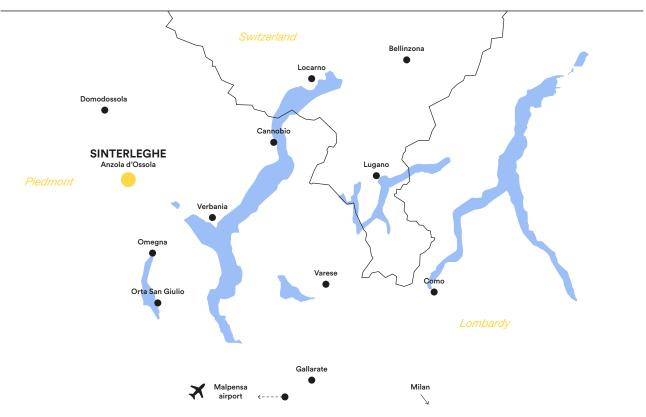
Global Network Partners

"Best in class" supplier of 4.0 solution in the field of electrodes dressing, electrodes changing and welding spot effectiveness

Request for quotation and/or assistance

Date: Company and address:						
Name/surname: Tel: E-mail:						
 Request of quotation After sale Test sample 	 Single blade cutter RX.2 hard metal three blades cutter 	 Tip dresser Tip dresser & changer 				
Welded metal sheet: Zinc steel Usibor Aluminium 	Use: Robot welding guns Stationary welding guns 	 I/O module: Profinet Ethernet Devicenet Other. Specify: Not needed 				

Where we are and how to reach us



Our Headquarters is 70 km from Malpensa airport, motorway A4/A26 exit "Anzola d'Ossola"

design: jamarea.com

Sinterleghe S.r.l

www.sinterleghe.it

Registered office Corso Luigi Einaudi, 18 10129 Torino - Italy accounting@sinterleghe.it

Headquarters

and production site Via alla Sega, 10 28877 Anzola d'Ossola (VB) - Italy Tel: +39 0323 83 78 62 ravitex.sales@sinterleghe.it