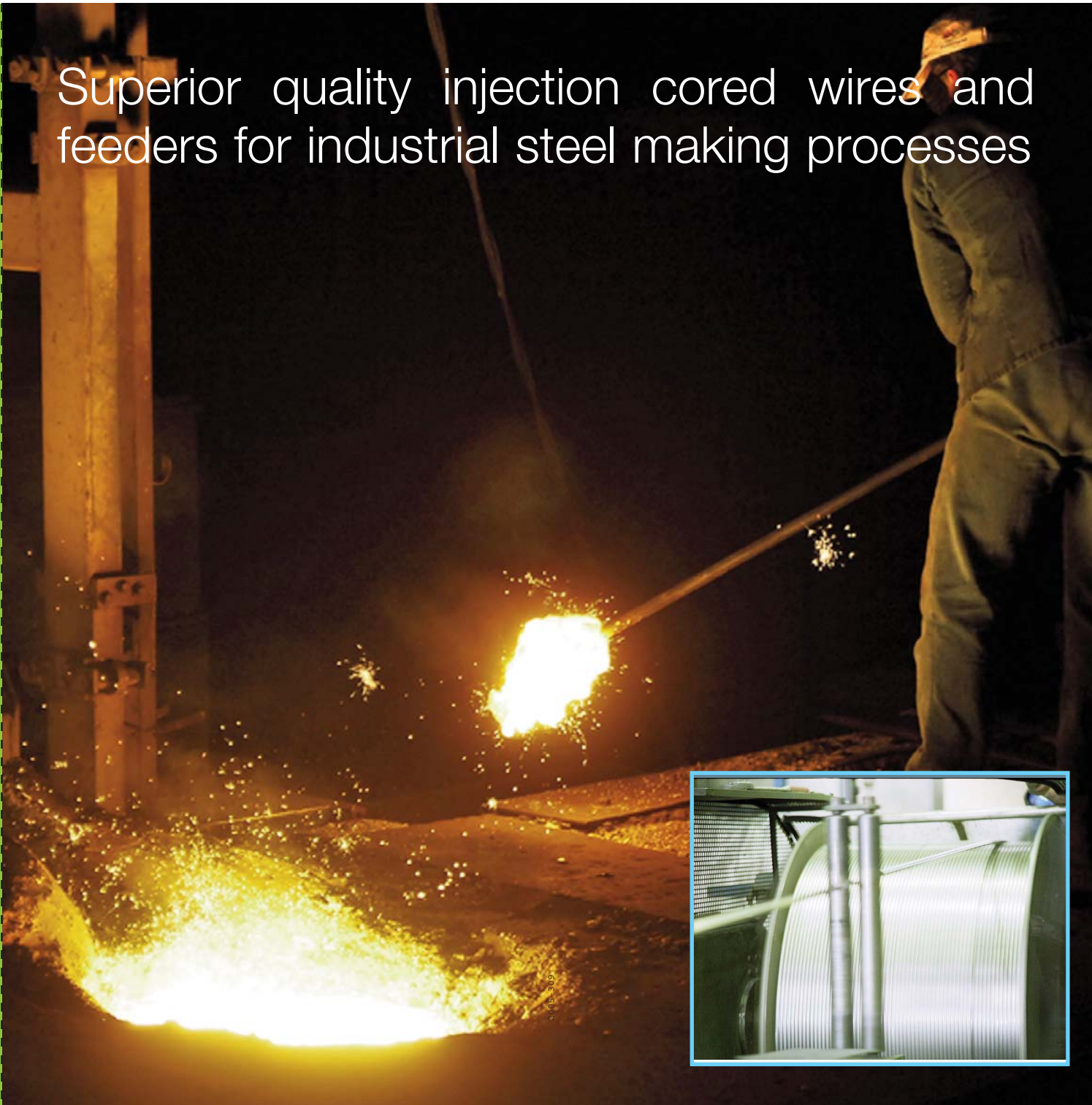


STEELFLUX

Superior quality injection cored wires and feeders for industrial steel making processes



STEELFLUX injection cored wires



About OERLIKON

OERLIKON is the Italian market leader in injection cored wires and feeders for the steel making industry.

The present production of this range began in 1988; head offices are located in Verona (Italy), while the production plants are in Cittadella (PD) Italy.

OERLIKON brand is owned by AIR LIQUIDE Welding (part of the AIR LIQUIDE international Group).

OERLIKON brand has made a commitment to create value for customers by bringing them innovative technologies, products and services in the steel processing industry.

An expert team is available to support our customers to reach the best results in terms of quality and efficiency.

Environmental Policy

Our products fully comply with current European regulations concerning environmental protection.



Industrial Applications

Inoculation has become one of the major metallurgical operations in quality steel production.

The use of injection cored wires in secondary metallurgy, to produce high quality steel is of vital importance. The inoculation process enables a precise treatment and fine chemical adjustments.

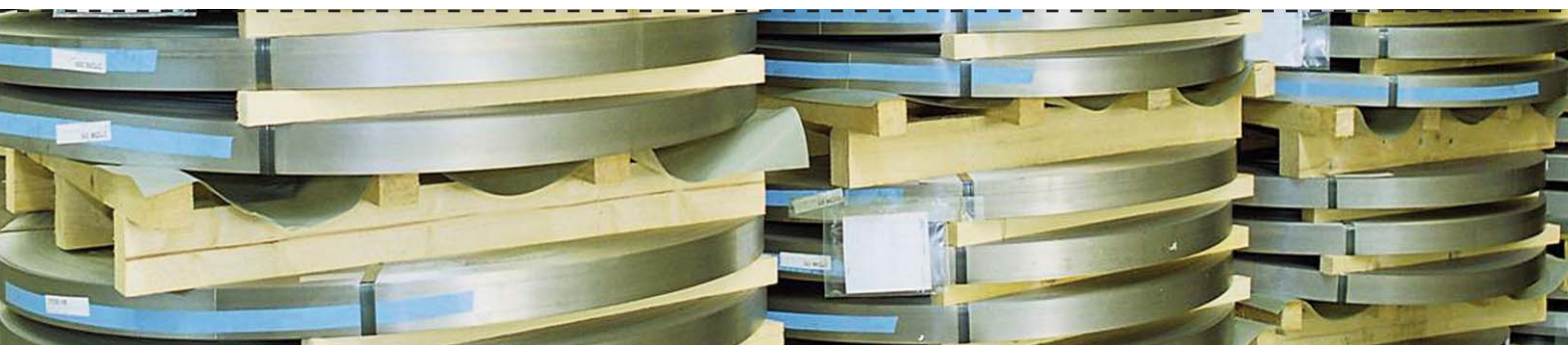
STEELFLUX injection cored wires improve ladle metallurgy through:

- . Deoxidation
- . Inclusion modification
- . Microalloying
- . Castability improvement
- . Clogging prevention

Ladle inoculation technology is characterized by a fairly high inoculant addition and may be utilized in both low and high volume steel production.

Quality Assurance

FRO - AIR LIQUIDE Welding Italia S.p.A. is quality assurance certified according to ISO 9001, by DET NORSKE VERITAS, since 1990.



The Product Range

The product range includes the most commonly used injection wires on the market:

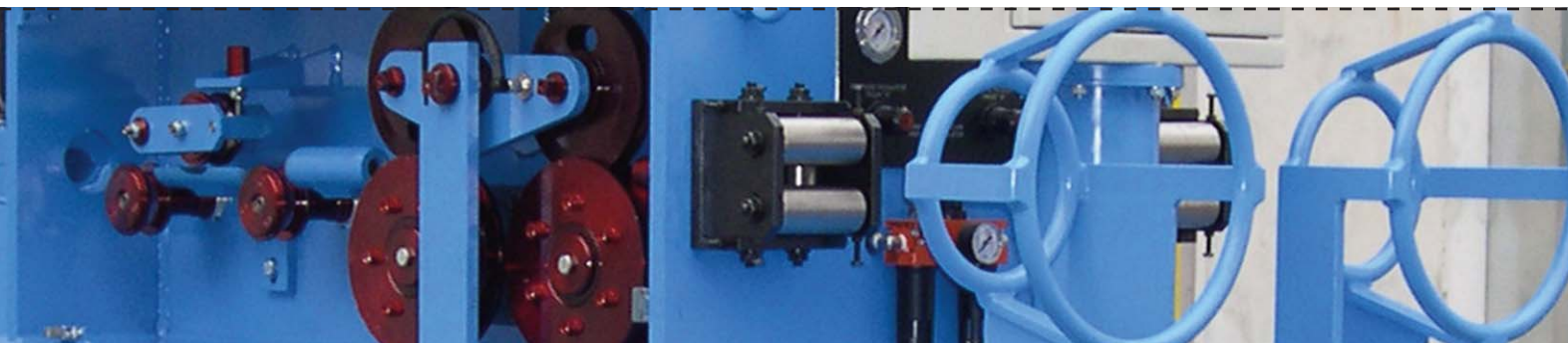
PRODUCT NAME	CHEMICAL COMPOSITION %	Ø mm	SPOOL LENGTH *(m)	LINEAR DENSITY *(g/m)	SPOOL NET WEIGTH *(Kg)	PACKAGING / CODE VERTICAL PAY OFF	PACKAGING / CODE HORIZONTAL PAY OFF
STEELFLUX CaSi30	Ca 30 Si 60	13	5600	230	1288	2670107	2670156
STEELFLUX SiCaBa8	Si 57 Ca 26 Ba 8 C0,5	13	5600	230	1288	2670205	2670207
STEELFLUX CALCIUM CYANAMIDE	CaCN2	13	5600	200	1120	2670323	2670321
STEELFLUX Ca Fe	Ca 30 Fe70	13	4650	270	1256	2670560	2670586
STEELFLUX C	C 98	13	5600	150	840	2671030	2671048
STEELFLUX GRAPHITE	C 99 S < 0,05	13	5600	160	896	2671040	2671049
STEELFLUX SULFEX	Fe 46 S 52	13	4000	380	1520	2671139	2671147
STEELFLUX SULPHUR	S 99	13	4650	205	953	2671170	2671188
STEELFLUX FeB	Fe B 18	13	3300	530	1749	2670364	2670388
STEELFLUX FeTi 70	FeTi70	13	3300	375	1238	2670776	2670784
STEELFLUX FeTi 70 Al 1,5	FeTi70 Al 1.5 Max	13	3300	375	1238	2671731	2671733
STEELFLUX FeTi 70 Al 0,5	FeTi70 Al 0.5 Max	13	3300	375	1238	2671715	2671717
STEELFLUX TITANIUM	Ti 99	13	5600	220	1232	2671580	2671584
STEELFLUX FeNb	FeNb 65	13	2500	720	1800	2670461	2670463
STEELFLUX FeTe	FeTe 55	13	2500	600	1500	2670211	2670219
STEELFLUX FeSe	FeSe 50	13	2500	450	1125	2670217	Available on request
STEELFLUX BISMUTH	Bi 99,5	13	2000	800	1600	2670221	Available on request

* Typical value

The **Steelflux** range is composed of five main families:

- **Calcium injection wires** (green colour)
- **Carbon injection wires** (yellow colour)
- **Sulphur injection wires** (rose colour)
- **Boro-Titanium injection wires** (sky-blue colour)
- **Special injection wires** (orange colour)

STEELFLUX wire feeders



STEELFRO, the Steelflux wire feeders



STEELFRO is the Steelflux wire feeder system with either two or four strand configuration.

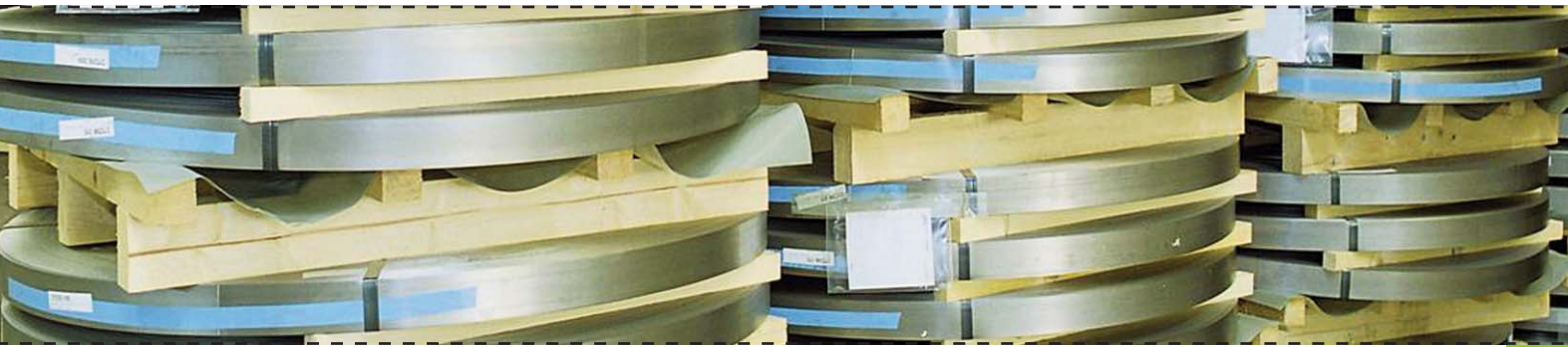
Technical data of STEELFRO

- Power supply: 380 V - 50 Hz
- Power required: 24 V D.C. - 110 V 50 Hz
- Usable wire diameter range: from 9 to 18 mm
- Injection speed: from 30 to 250 m/min
- Drive power: 21 kw

The junction box of the STEELFRO wire feeders is programmed to repeat the following commands on any remote control:

- Running-stop with or without zero setting
- Locking-opening roller
- Emergency
- Manual back and forth jog
- Sets of warning lamps for several functions







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www.airliquide.com

Founded in 1902, Air Liquide is the world leader in industrial and medical gases and related services. The company has offices in 70 countries and employs a work force of 36,000. Drawing on constantly renewed technologies, Air Liquide develops groundbreaking solutions used in making countless everyday products and in helping to preserve life.