



- Stainless steel keypads
- Frames and control panels
- «Embedded» elements
- Chassis, cases and electronic mechanical components

Design and production

MORE THAN JUST PRODUCTORS

GRAFOS STEEL has been a market leader in the production of stainless steel keyboards for years.

In addition to offering a wide range of standard products, we are fully committed to the development of products adapted to customers' needs. Recently, we have strengthened the Milling Department, which is fully dedicated to the design and production of aluminum and stainless steel frames, capable of meeting all kinds of customers' requirements for industrial PC touch screens.

Our products are the result of careful research guided by customers' needs. We constantly invest in research and advanced technologies in order to be able to guarantee above-average Quality, Reliability, Comfort and Accuracy. We have designed and patented many solutions that have become our trademark.

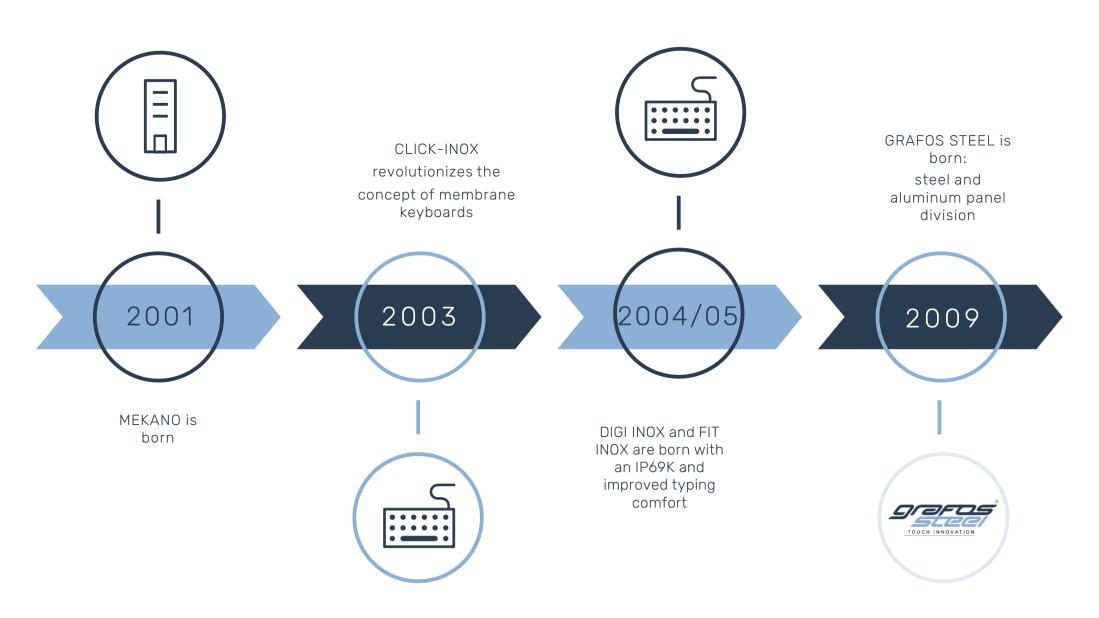
Aware of the ever-changing market demand, we are continuously searching for the best solution for customers.

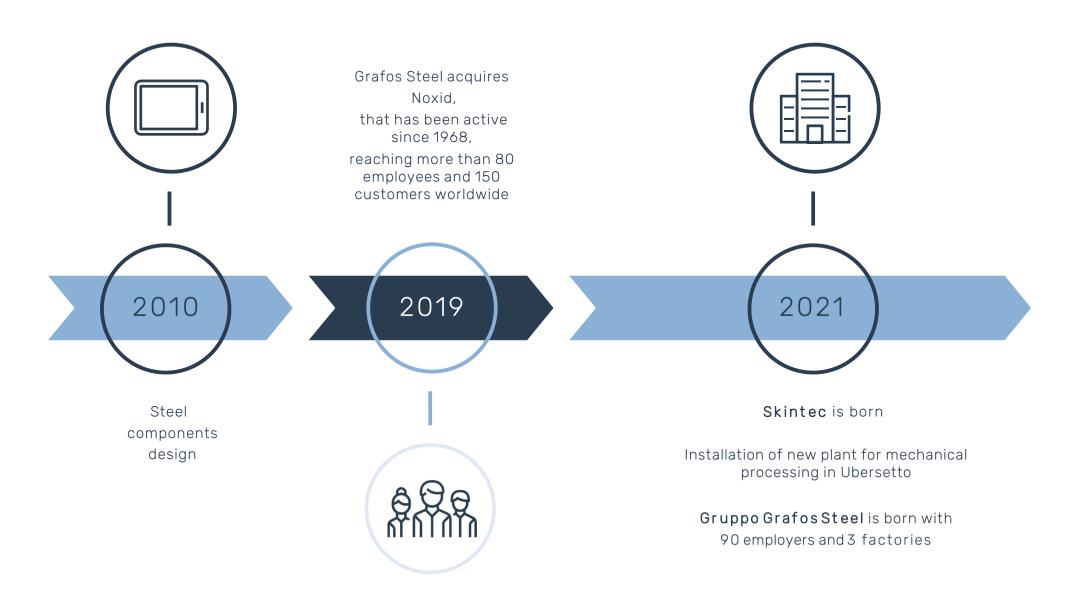
GRAFOS STEEL products are unique: our challenge is to achieve technical development and continuous improvement of production processes.



GRAFOSSTEEL

MORE THAN 10 ANNI OF EXPERIENCE IN HARDWARE SYSTEMS HMI PRODUCTION



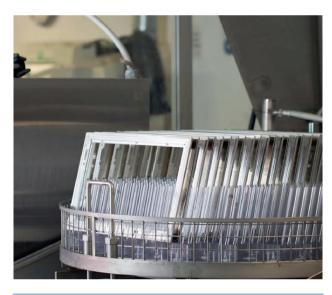




PILLARS FOR GROWTH

ACCURACY

Production is totally in-house.
All results of external processing are checked by an operator.

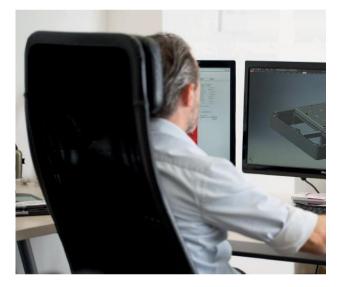


INNOVATION

The technologies in use reflect our desire to be the cutting-edge of automation

PLANNING

MRP production
planning can
investigate and
verify any stage of
work



EXPERIENCE

A team of highly qualified engineers and technicians deal with customized solutions



RESEARCH

GRAFOS STEEL
products can easily be
customized, led by
customer's ideas and
design

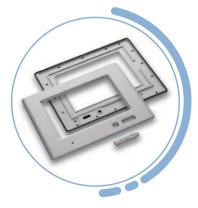


OUR PRODUCTS

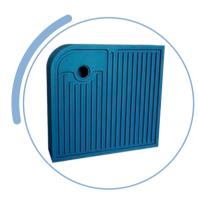
DIFFERENT TAILOR MADE SOLUTIONS FOR YOUR NEEDS



STAINLESS STEEL KEYBOARDS AND KEYPADS



FRAMES AND CONTROL PANEL



MILLED PANEL AND CASES











STANDARD KEYBOARDS

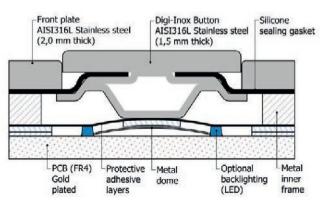
WORLDWIDE KNOWN





DIGIINOX

PRECISE AND VERSATILE
WIDE RANGE OF POSSIBLITIES
FOR EVERY NEED

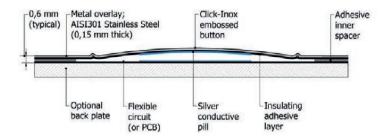






CLICKINOX

FLEXIBLE AND STRONG LIKE A MEMBRANE BUT MADE OF STAINLESS STEEL

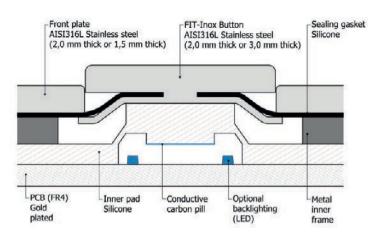






FITINOX

HANDY AND STRONG COMFORTABLE AND FASY TO USE







Our highly qualified team of engineers can design any product tailored to your needs.

TAILORED SOLUTIONS:

STAINLESS STEEL, ALUMINUM, AND MEMBRANE KEYBOARDS

Grafos Steel has also thought of those who do not follow the usual standards of shape, color and material, specializing over the years in creating totally custom keyboards. These are our custom-made products, created specifically for even the most unusual and special requests.

Highly skilled engineers design and develop any kind of customization, without weighing on delivery times and costs, both of which remain fast and competitive.

We are talking about keyboards and keypads, which can be composed of various accessories such as touch panels, aluminum frames, silk-screen printed fronts, accessory inputs, and more





APPLICATION FIELDS

















FROM THE SIMPLE FRAME TO THE COMPLETE TOUCH PANEL

Technical expertise combined with advanced technology ensure that Grafos Steel has complete control over all production processes, from the mechanical production to the printing process. This is the Grafos excellence that comes from the wide range of products offered by the company, from simple engraved nameplates to front panels and more elaborate processes such as front panels with complex milling for displays, buttons and door interfaces.

Grafos Steel manufactures frames and panels using raw materials such as aluminium, stainless steel, plastics and obtaining its products from sheets of various thicknesses, from 2 to 50 mm. Integration of capacitive and resistive touch screens with the possibility of silk-screen printing on polyester for the realization of panels with true flat technology.

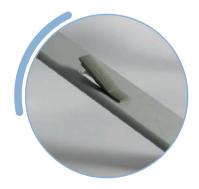


REALIZATION, PROCESSING AND

ACCESSORIES

There is a wide range of accessories and implementations:

- Polyester adhesive fronts
- Silk-screen printing
- Digital printing
- Sandblasting
- Laser marking
- Press-in stud insertion
- Stud welding
- USB closure flap
- Gaskets
- O-Ring
- Anodic treatment and painting
- Surtec
- Touch-screen assembly
- Trueflat technology.



ACCESSORIES CUSTOMIZED



MARKING











PRODUCTS AND

ADDITIONAL PROCESSES

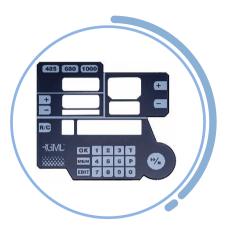
Noxid has specialized in the design and fabrication of small custom metalwork for over twenty-five years.

Chassis, cases, and boxes are produced according to each customer's needs and can be made of iron, steel, or aluminum.

Several implementations are also available:

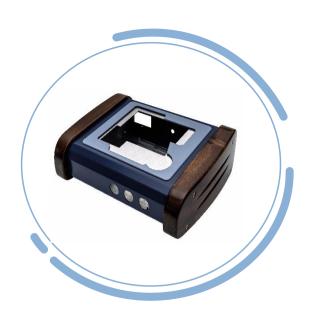
- Powder or liquid coating
- Galvanizing and nickel plating
- Silk-screen printing
- Stud insertion, inserts and spacers
- Polycarbonate and polyester front applications

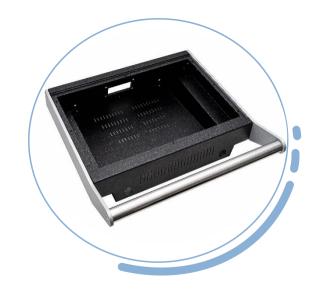


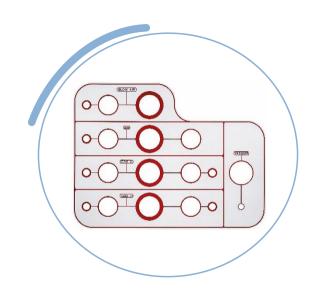




HIGH QUALITY METALWORK







DRAWING CARPENTRY, FROM DESIGN TO ASSEMBLED PRODUCT

SURFACE TREATMENTS: OXIDATION, PAINTING, NICKEL PLATING, ALODINE ENGRAVED
NAMEPLATED WITH
SILK-SCREEN AND
DIGITAL PRINTING

«EMBEDDED» COMPONENTS

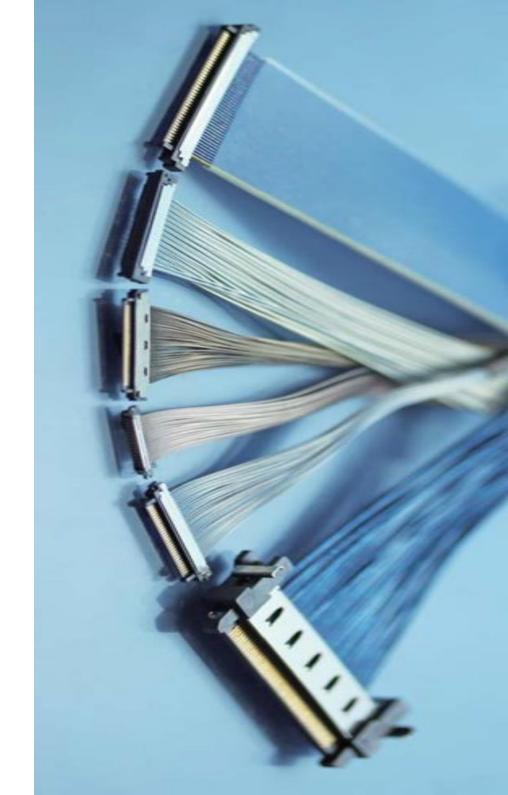


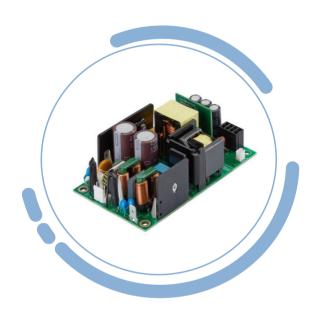
COMPLETE CONTROL OVER ALL INDUSTRIAL PROCESSES: EMBEDDED PRODUCTS

The activity of Skintec, Business Unit of Grafos Steel, is aimed at the supply of technological products for electronics and automation.

Design analysis, technical assistance, research and development are the fundamental aspects that characterize the mission of our technicians who, thanks to constant technological updating, allow us to ensure supply in compliance with the highest quality standards.

State-of-the-art mechanics and electronics enable complete control of industrial processes with reliable and customer-specific solutions.





POWER SUPPLIES

Innovative products with very high efficiency that can be used from ICT to industrial to alternative energy.

Our catalog offers PSU and IPC personal computer power supplies, Redundant industrial power supplies, Open frame, Adapter, medical and energy application PVI, Charger, ESS power never ends, and UPS.

CABLES & RF SOLUTION

Solutions and products for security and radio frequency area: communication and connection cables, computer and automotive, power cord, HDMI 2.0 AOC, fiber optic transmission.

Also LVDS cables using coaxial wires with sizes from AWG#36 up to AWG#46 consisting of core conductor, dielectric, shield and jacket.





DISPLAY

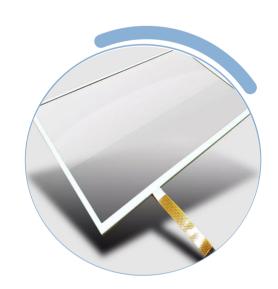
Depending on the need and area of use such as medical, industrial, textile, building automation, and many others, we offer a wide range of displays.

Our displays can be COG alpha-numeric-COF, COB, COG, monochrome or color, TFT, IPS, Smart LCD, OLED Displays, ePaper, Open Frame Monitors, and custom solutions that combine touch displays and covers.

TOUCH SCREEN

Our touch screen solutions follow standard specifications or customer specifications.

We can provide 4-5-wire, matrix-type, and TrueFlat resistive touch screens. We also have capacitive touch and controller boards, bonded systems and different combinations between touch screens and metallic or plastic supports.





HEATSINKS

Heat sinks made of copper, aluminum or mixed.

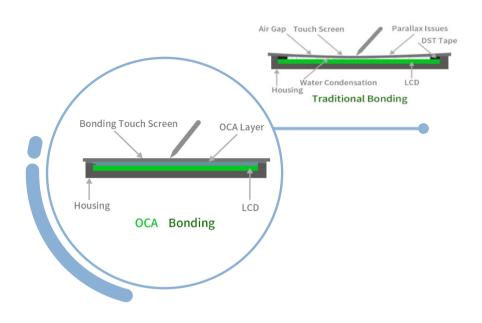
They are made to customer specifications by extrusion, CNC, injection, Skived Fin Sink, Insert wing, Folded thin and heat pipe technologies.

FANS

Cooling fans of any size, power and type: axial, centrifugal, AC or DC, ball bearing, maglev fans.

Optional features such as tacheometer, lock rotor alarm PWM, On/Off, IP54, IP65, IP67 degree of protection, grilles and filters, customization of wires and connectors are also available.





PLASTIC AND METALLIC PARTS

Containers made to customer specifications, which can be made of plastic or aluminum using various technologies such as CNC, thermoforming, injection molding or die casting.

Possibility of finishing such as painting, oxidation and silk-screen printing.

OCA BONDING

System that eliminates the space between the touch screen and the display, allowing high sunlight readability and durability.

Prevents condensation and gassing, slim design, withstands extreme conditions dust and scratches.



OUR GROWTH TREND

TURNOVER

Turnover increased from 2 to 5 million in the three-year period 2014/2016, reaching over 10 million in the last period. Thanks to new markets such as America, China and the DACH area.

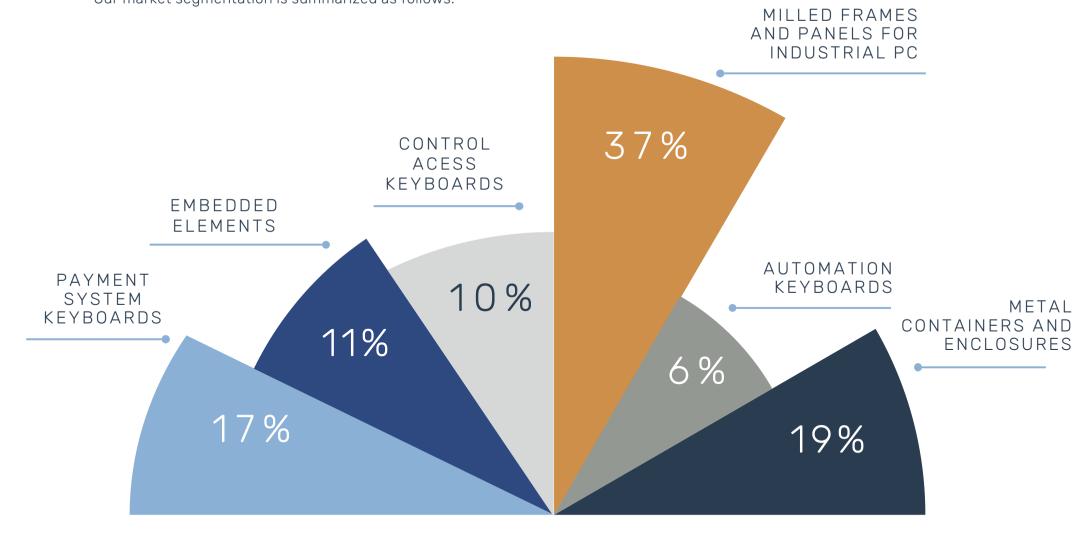
INVESTMENTS

In 2017, the company invested one-third of the previous year's sales in new machinery and highly qualified personnel in order to improve and sustain profitability standards. In 2020, the company invested one-third...

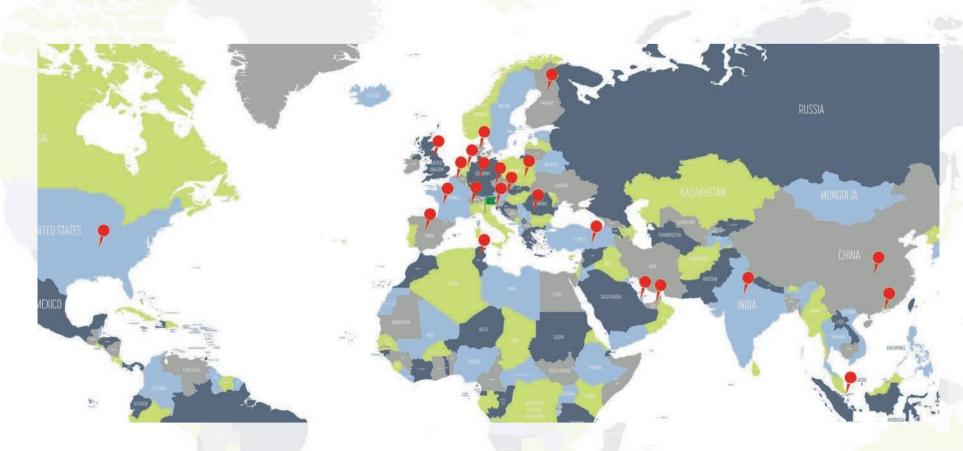


CUSTOMER SEGMENTATION

Grafos steel has more than 150 customers worldwide. Our market segmentation is summarized as follows:



OURMARKETS



- Italy
- Germany
- Switzerland
- Austria
- France
- Spain

- United Kingdom
- USA
- China
- Romania
- Poland
- Turkey

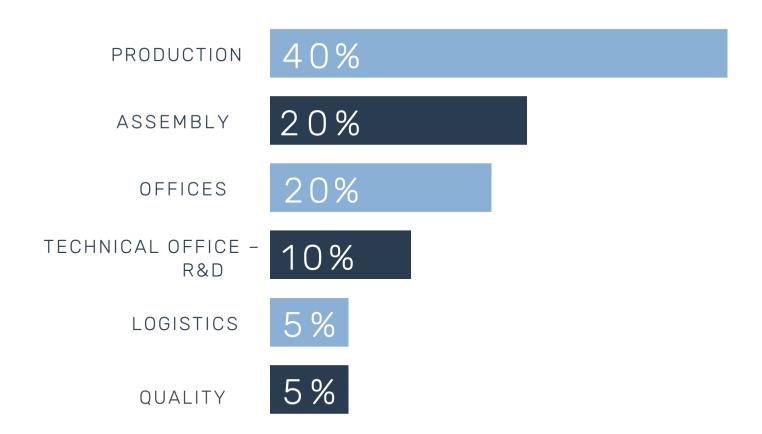
- Tunisia
- Singapore
- Slovenia
- Hong Kong
- Finland
- Czech Republik

- India
- Belgium
- Denmark
- Netherlands
- Dubai
- Qatar

OUR TEAM

Grafos Steel's work environment is flexible and challenging: the team is dedicated to their work and to the company, which is why Grafos Steel is people-oriented.

We believe that the fundamental pillars for growth are Human Resources and cutting-edge Technology.



IL NOSTRO SISTEMA DI ECCELLENZA



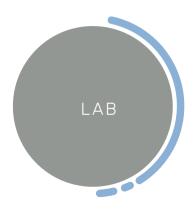
- 1 Altimeter
- 1 Optical inspection machine
- 1 Roughness tester
- 1 Spectrophotometer







- 1 Fiber laser cutting machine 4,000W
- 1 Fiber laser cutting machine 2,00W
- 1 Combined punching and fiber laser cutting machine 3,000W
- 1 Punching machine
- 2 Bending machines
- 2 Brushing machines
- 2 Stud presses
- 2 Automatic stud welding machines
- 1 Silk-screen printing machine
- Laser welding
- MIG and TIG welding
- 1 Grinding robot



- 1 Climatic chamber
- 1 Salt spray tester
- 1 Abrasimeter



- 7 Milling machines 1,000x1,500 mm
- 3 3-axis CNC milling machines
- 15-axis CNC milling machine
- 14-axis CNC milling machine (automatic pallet changer)



- 1 Screen printing machine
- 1 Digital printer
- 1 Cleanroom
- 1 Stud press
- 2 Plastic laser cutting machines
- 2 Laser marking machines
- 1 Die cutting machine
- 1 Pick & Place for metal domes
- 1 CNC silicone dispenser
- 1 Automatic mechanical testing machine
- 1 Automatic optical inspection machine



GRAFOS FOR SUSTAINABILITY

We care a lot about the consumption of natural resources!

To reduce our impact, we have chosen to use energy from certified renewable sources for the entire production cycle.

We will soon begin work on installing a photovoltaic system at our Formigine headquarters.

This is just one of the steps to obtain ISO14001 certification, which is issued only to companies that implement an environmental management system.



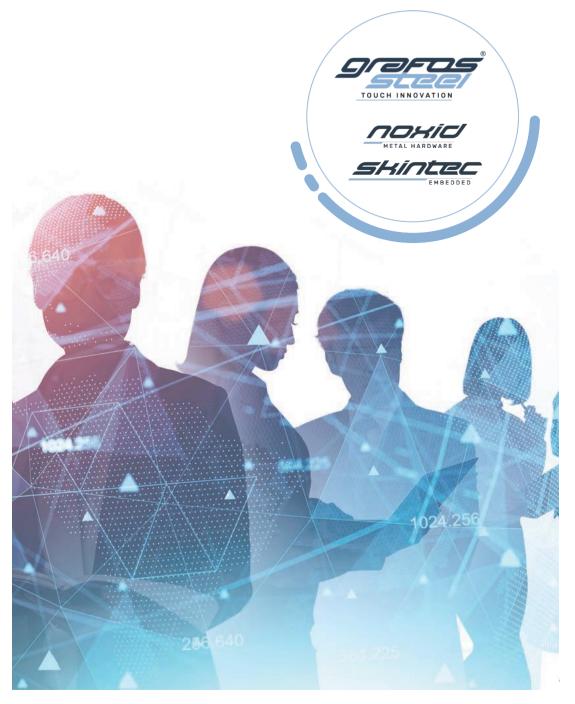


ONE GROUP... ENDLESS SOLUTIONS

Through constant investment in people and cutting-edge technologies, the Grafos Steel group merges ideas and designs to create innovative solutions.

Advanced mechanics and electronics for complete process control: industrial keyboards, panels, frames and electronic components represent added value and open up new application areas, both standard and customized, for every customer need.







Business Unit of Grafos Steel





www.grafossteel.it