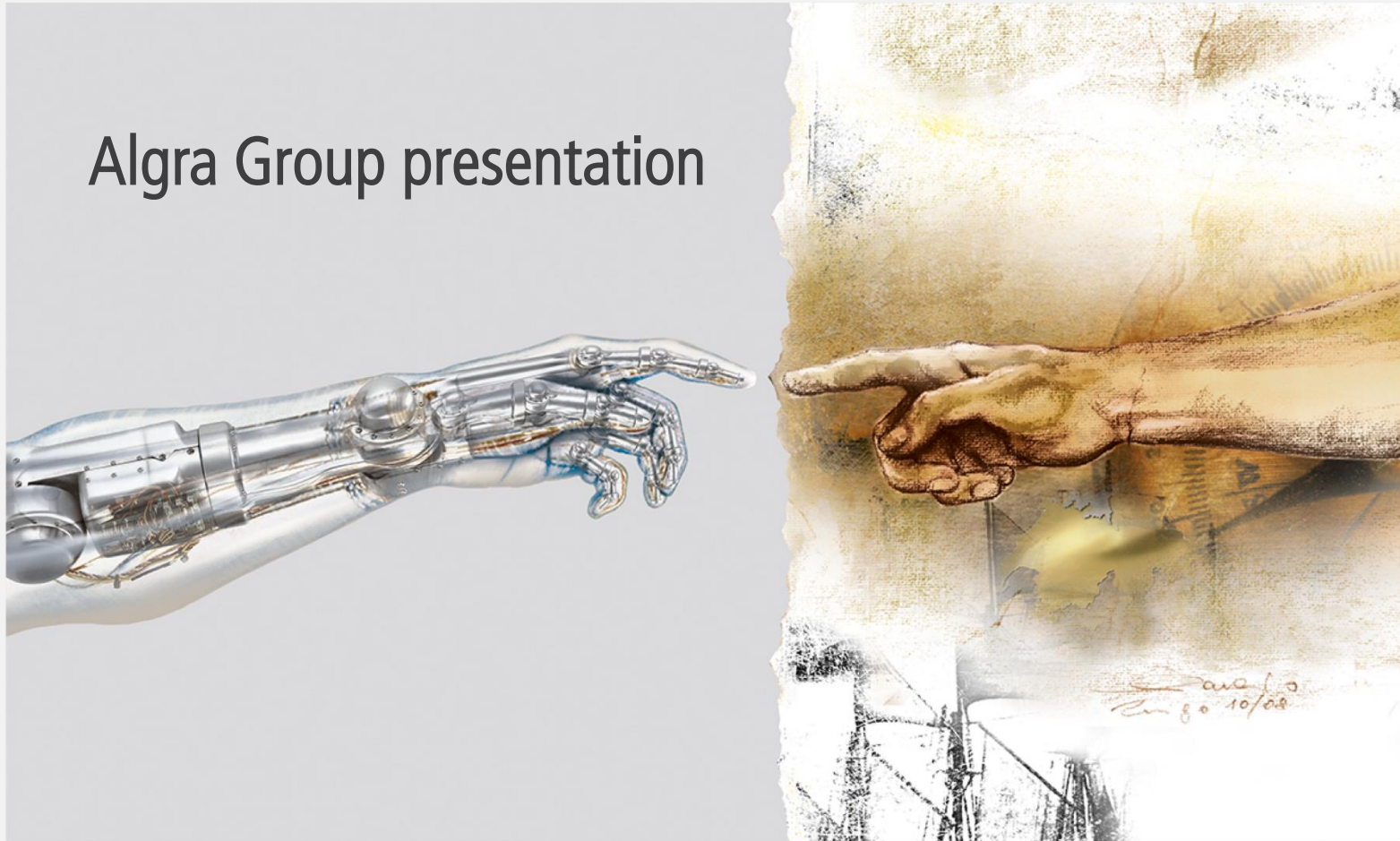
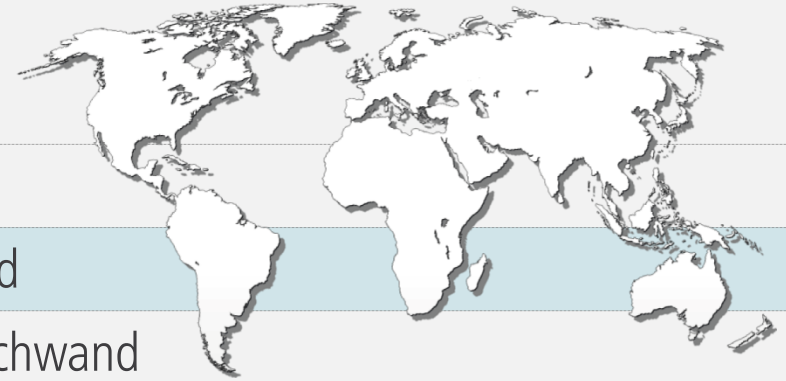


Algra Group presentation



Algra Group in brief



- 1929 Founding gravuretec sa in Erlach
- 1959 Founding Algra AG in Merenschwand
- 2015 Founding connect tec AG in Merenschwand
- 2017 Combination of the activities of the various companies in the group under Algra tec AG

Corporate form	corporation
Volume of sales	CHF 18 million
Distribution	worldwide
Employees	100
ISO 9001	✓ certified since 1993

Performances of the Algra Group

- Customised input systems, fronts, casings, industrial signs, electronics and device assembly
- The right product to meet every requirement
- Produced in-house or sourced from qualified suppliers worldwide

Performances of the Algra Group



ALGRA

industrial technology

Industrial production of customised touch input systems, fronts and industrial signs.



gravuretec

precision works

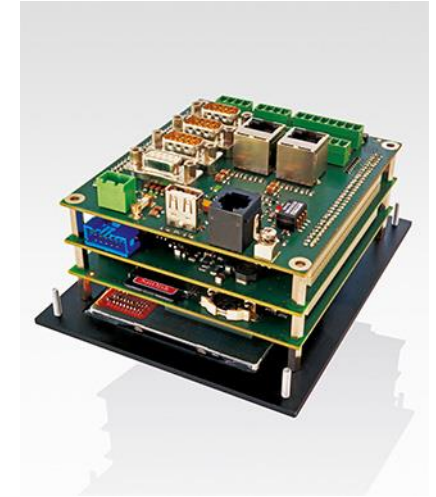
Precision work for the production of customised industrial signs, fronts and high-end casings.



connect tec

worldwide technologies

Qualified input systems and supplementary components, piezo elements of all kinds from selected manufacturers.



TRIMADA

electronic systems
(Cooperation partner)

Hardware and software development, electronic circuits and assembly of devices.

The technology centre



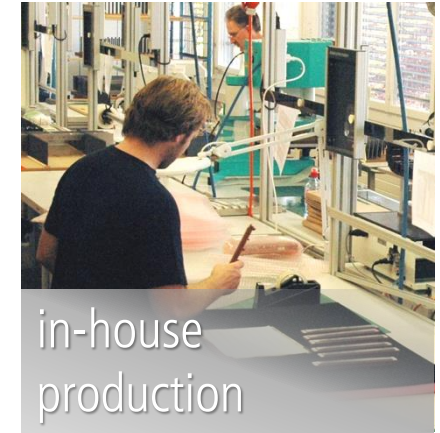
Technologies for input systems, signs and fronts



Structured approach for the realisation of customer-specific products

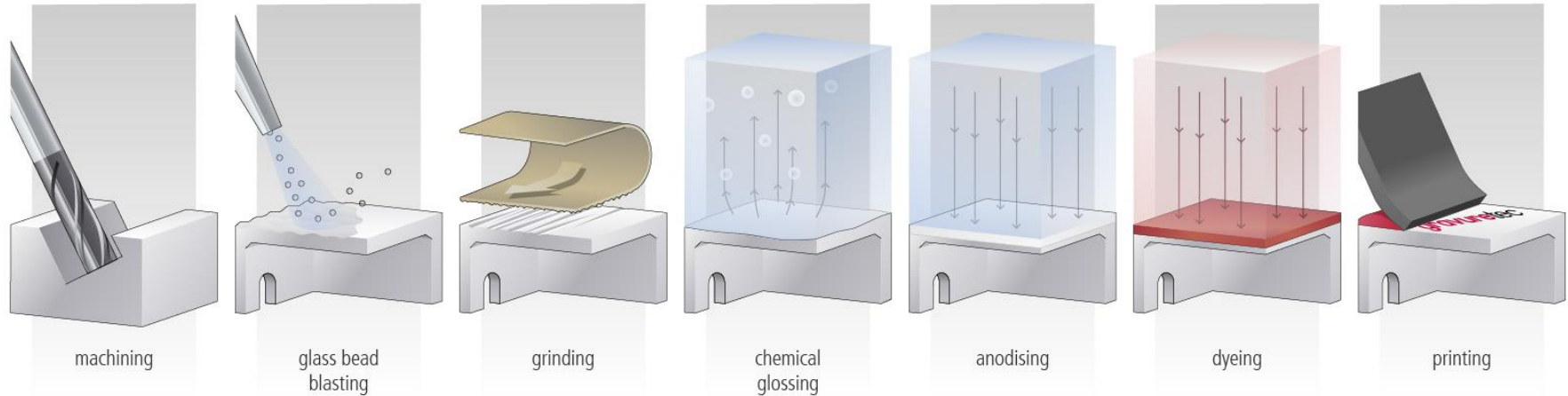


Strategic procurement, qualified suppliers, in-house production, management system



Lean production, automatisaton one-piece-flow, 5S no waste, printing-editing-assembling

Surface technology – own manufacturing



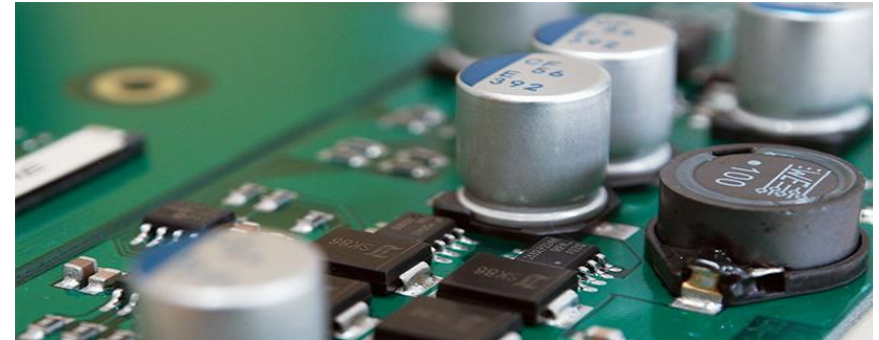
high quality aluminium parts with great precision and beauty

Trade network

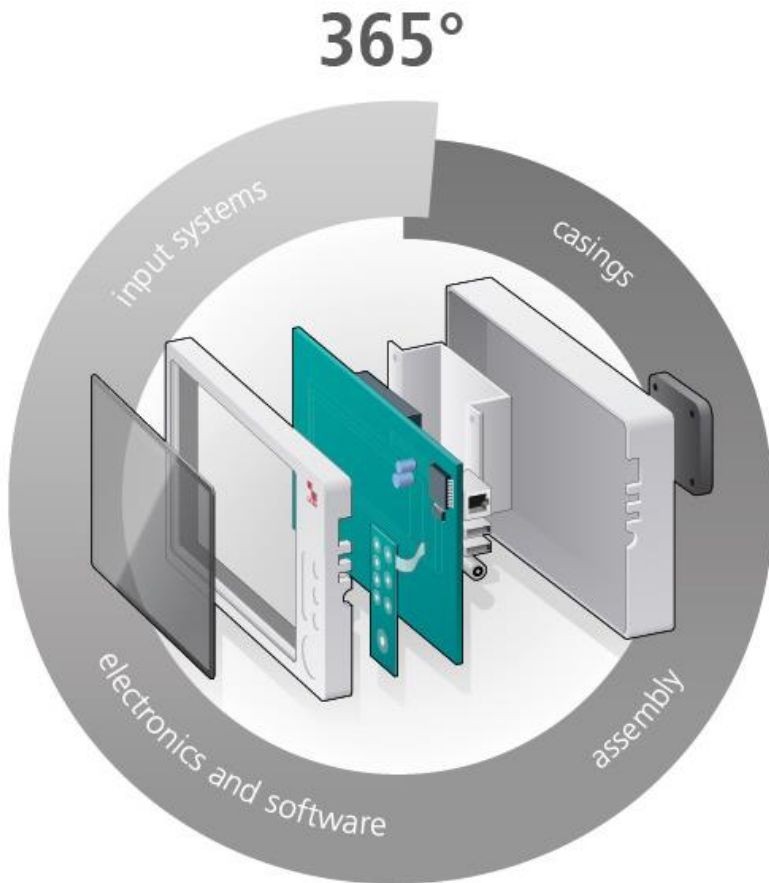
Qualified input systems and supplementary components, piezo elements of all kinds from selected manufacturers worldwide.



Trimada AG – hardware and software development, electronic circuits and assembly of devices.



Algra Group – 365° system manufacturer



We offer customised complete solutions for systems – all from a single source.

- Input systems and fronts
- Casings
- Electronics and software
- Assembly

Product range – signs out of aluminium or plastics



Product range – fronts



Product range – casings



Product range – input systems

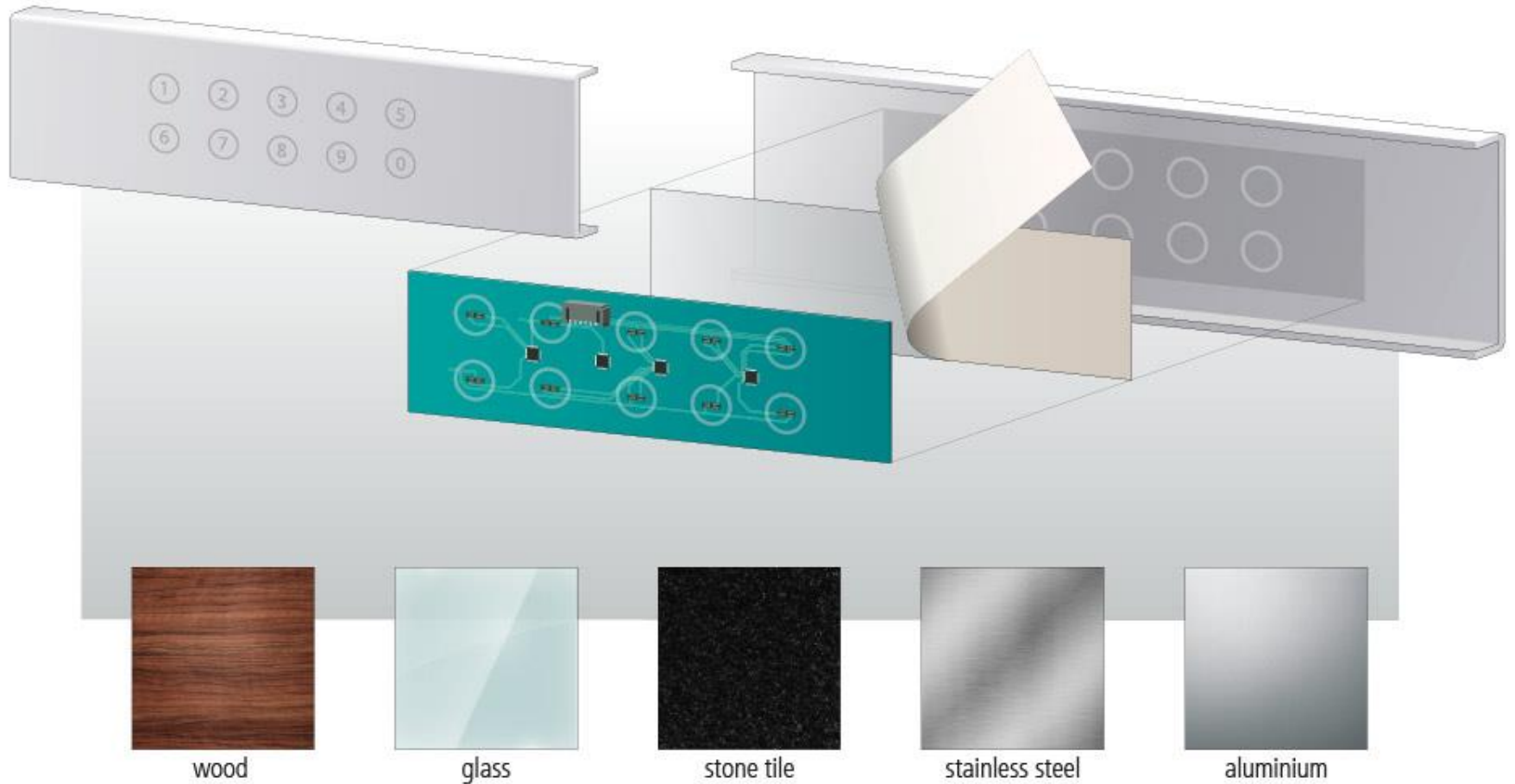


Trade products

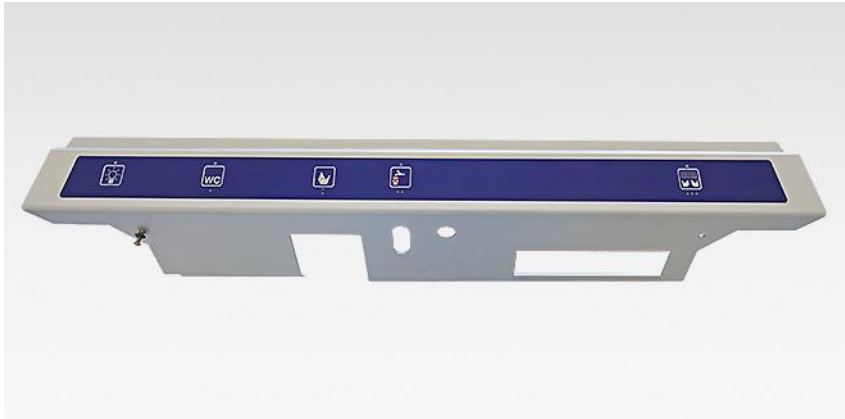
connect tec offers from qualified producers membrane keyboards, injection molded plastic and aluminium die-casted parts, and piezoelectric components and the PCAP and DYNASENSE front.



Input systems – DYNAFORCE Ultra Sensitive Force Touch Technology



Input systems – DYNAFORCE



Input systems – DYNAFORCE

Characteristics

- Strain gauges
- Detecting minimal surface deformation through key press

Specifications

- Aluminium: 0.3 to 1.2 mm
- Stainless steel: 0.3 to 1 mm
- Glass: 0.5 to 1 mm
- Plastics: 1 to 2 mm

Advantages DYNAFORCE

- Extremely sensitive – up to 1 mm thick stainless steel
- Suitable for all front materials
- Press with finger or glove
- Wet touch possible
- Vandal resistant
- Suitable for outdoor applications
- Adjustable ON force
- Temperature up to +85°C
- >10 million touches
- Peel-and-stick assembly
- Design variations

DYNAFORCE Demo and Developer Kit

With the Demo- and Developer-Kit we offer the possibility to test our solution and optimise it for your needs. It contains the following elements:

- DYNAFORCE demo module with optical, acoustic and haptic feedback
- 3 DYNAFORCE modules
- The interface for PC connection
- The demo software DesignStudio (Windows) on a USB stick
- Actuating pin 3N for calibration of the keys



Input systems – DYNASENSE



Input systems – DYNASENSE

Characteristics

- Resistive keypads designed to create the 'feather touch' feel of capacitive touch switches at a fraction of the cost
- Proprietary innovative nano particle conductive ink technology
- Minimum deflection

Specifications

- Plastics: 0.15 to 0.75 mm



Used DYNASENSE keyboard,
still fully functional

Used conventional keyboard,
limited functionality

Input systems – DYNASENSE

Features	Advantages
Overlays up to 0.75 mm thickness	Vandal-proof
Can be actuated without contact with human skin/gloved actuation	Ease/safety of use
Continuous scrolling action requiring low actuation force	Readily accepted by user
No controller chips or firmware programming required	Seamless integration into existing platforms at lower costs than capacitive switches
Resistant to moisture and EMI	Reliable and durable for demanding environments

Sales team



Olivier Kuhn
Area Sales Manager
French-speaking CH/Member of the
Management, gravuretec



Gérard Ercolani
Senior Sales Consultant
French and Italian projects



Franz Schneider
Area Sales Manager Input Systems/
SFC, German-speaking CH



Dr.-Ing. Marco Müller
Business Development Manager

Worldwide distribution network



Felix
Vidal
Spain



Targets/Recommendation


- a good cooperation
- unique products
- a reliable partnership

We are not resting on our laurels. We research and develop solutions for your future!

Thank you for your attention.

ALGRA GROUP

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5634 Merenschwand

 Switzerland

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Locations:

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industrial technology

connect tec
worldwide technologies

Algra
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5634 Merenschwand

gravuretec
precision works

gravuretec
Stadtgraben 7
3235 Erlach

Cooperation partner:

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