

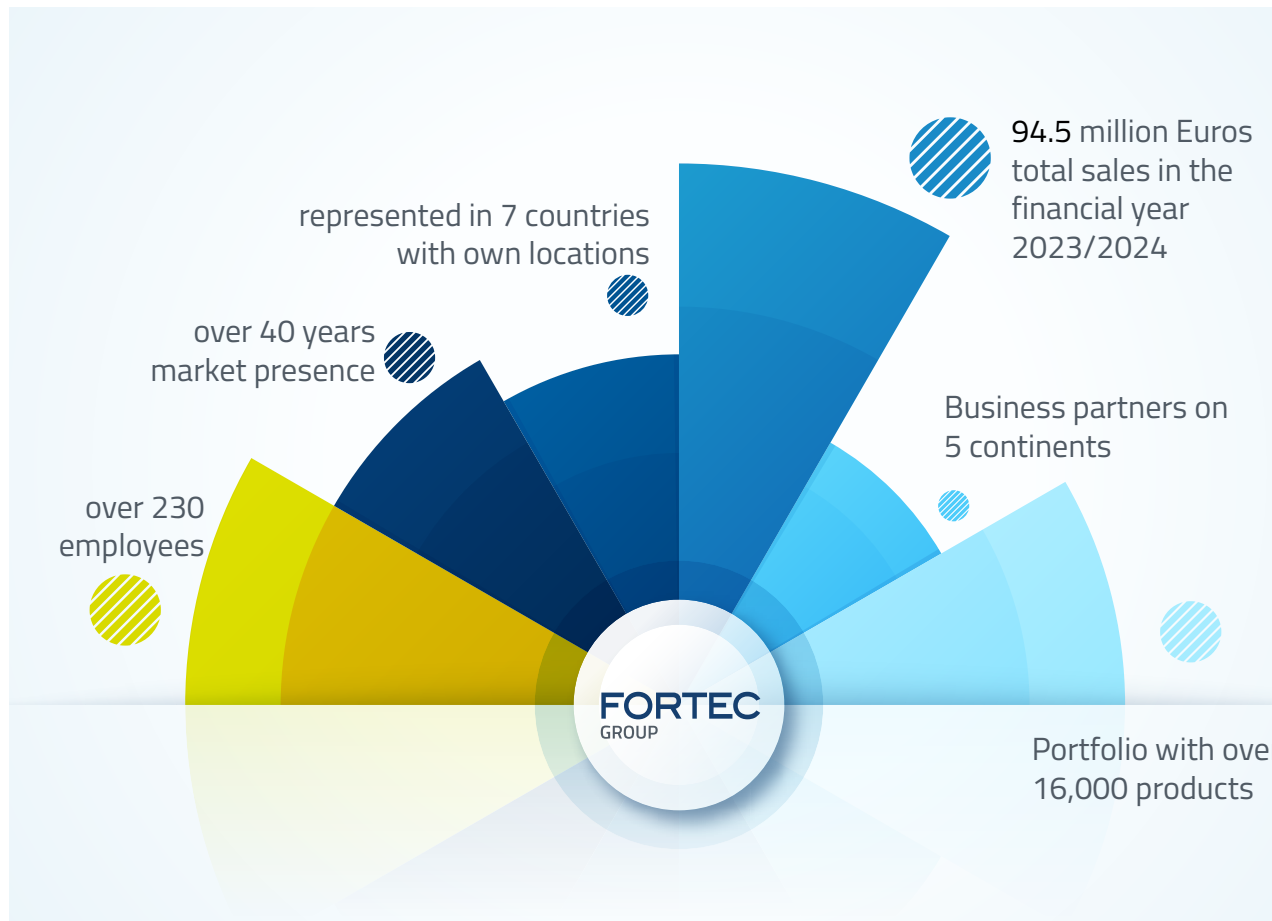
FORTEC
GROUP

LINECARD 2025

One partner, unlimited
technology solutions

DISPLAYS | MONITORS | EMBEDDED | POWER SUPPLIES

FORTEC GROUP



The FORTEC GROUP, headquartered in Germering near Munich, unites four locations in Germany, which represent the products and competences presented here.

Companies in six other countries guarantee worldwide expertise for FORTEC products.

USP - the FORTEC GROUP offers customised solutions in all product areas.

With VACUBOND® we currently have the best technology in vacuum bonding with outstanding properties.

The FORTEC GROUP is working with great commitment on practical measures to reduce its CO₂ footprint.

FORTEC GROUP LOCATIONS

FORTEC GROUP



RANGE OF SERVICES

Our particular strength lies in designing, developing and producing exactly the solution you are looking for for your application.

WE ARE A SOLUTION PROVIDER

We are an experienced partner to industry in the planning, development and production of demanding customer projects. Our engineers successfully implement display and touch technology as well as power supply solutions in automation processes and complete systems of our industrial partners and develop independent new products for our customers.

Depending on requirements, we find solutions for special glasses, suitable touch-screen systems, embedded products or power supplies and controller functions. In addition to durability and user-friendliness, energy efficiency and compliance with environmental guidelines are our guiding principles in product development.

WE ARE SYSTEM INTEGRATOR

We accompany you from the idea to series production with over 40 years of experience in electronics and inspiring fresh ideas from our development teams in the areas of hardware and software as well as mechanical and electronic design. We rely on efficient prototype construction to offer our customers testing opportunities. As a proven partner, we can also provide you



with expert advice on products from our standard programme, which comprises around 16,000 items.

semi.custom

You want to stand out from your competitors, but only have a limited budget available. We can customise the look of products from our ranges or equip them with additional features.

full.custom

You need visualisation or power supply solutions for YOUR product or your new project. We develop monitors, visualisation and power supply solutions according to customer requirements, accompany YOUR project together until it is ready for series production and manufacture the solution in our production facilities.

As an active market shaper, our range of services also includes our own manufacturing, development and production facilities as well as modern logistics solutions.

Designed,
developed and
made in Germany

RANGE OF SERVICES

WE OFFER COMPLEX SOLUTIONS - ALL FROM A SINGLE SOURCE

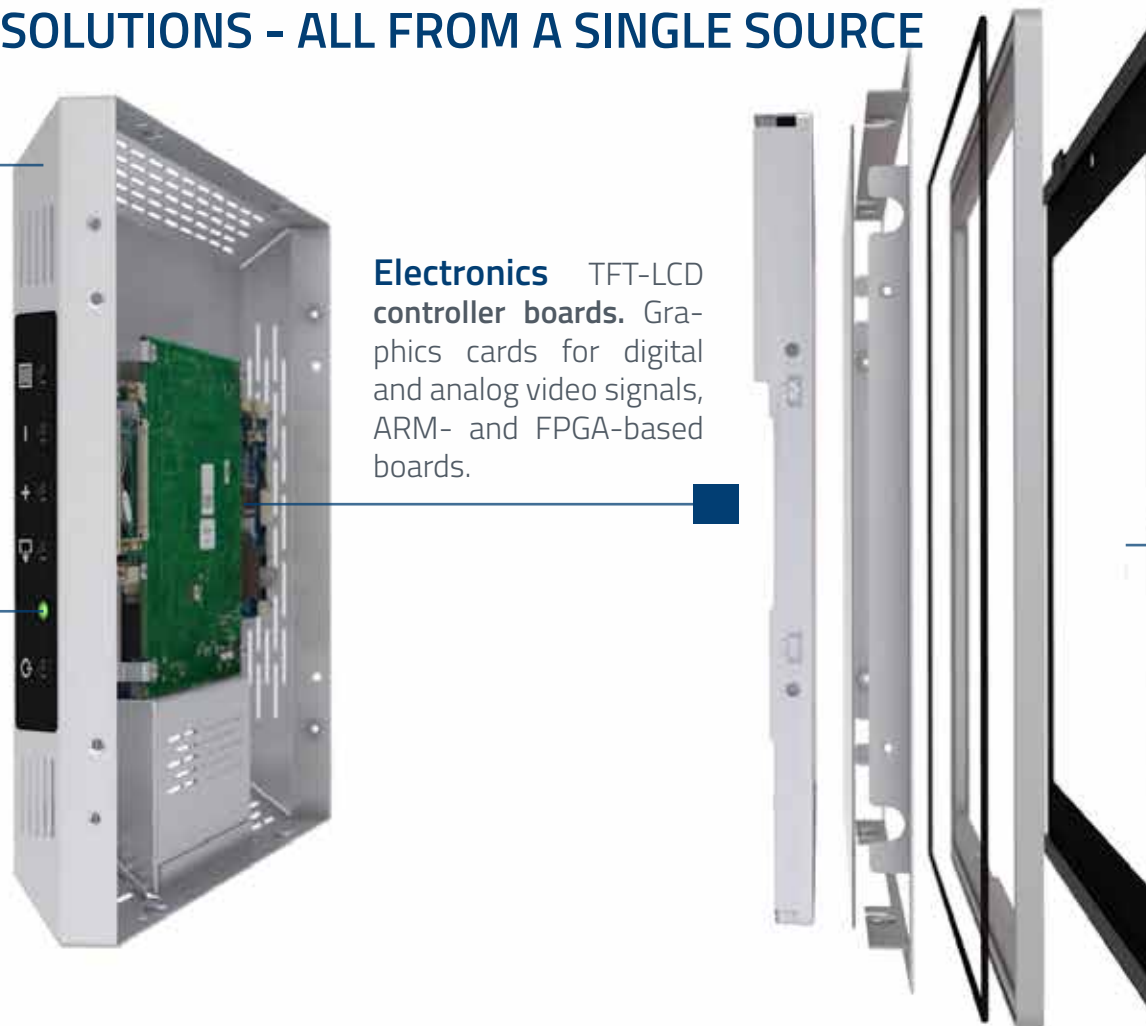
Mechanics CAD design of monitors, built-in monitors and assembly solutions, prototyping, **European and international certifications.**

Software Firmware for graphics cards, **Linux and application software** for ARM platforms, FPGA programming, **Windows and Linux** drivers and applications.

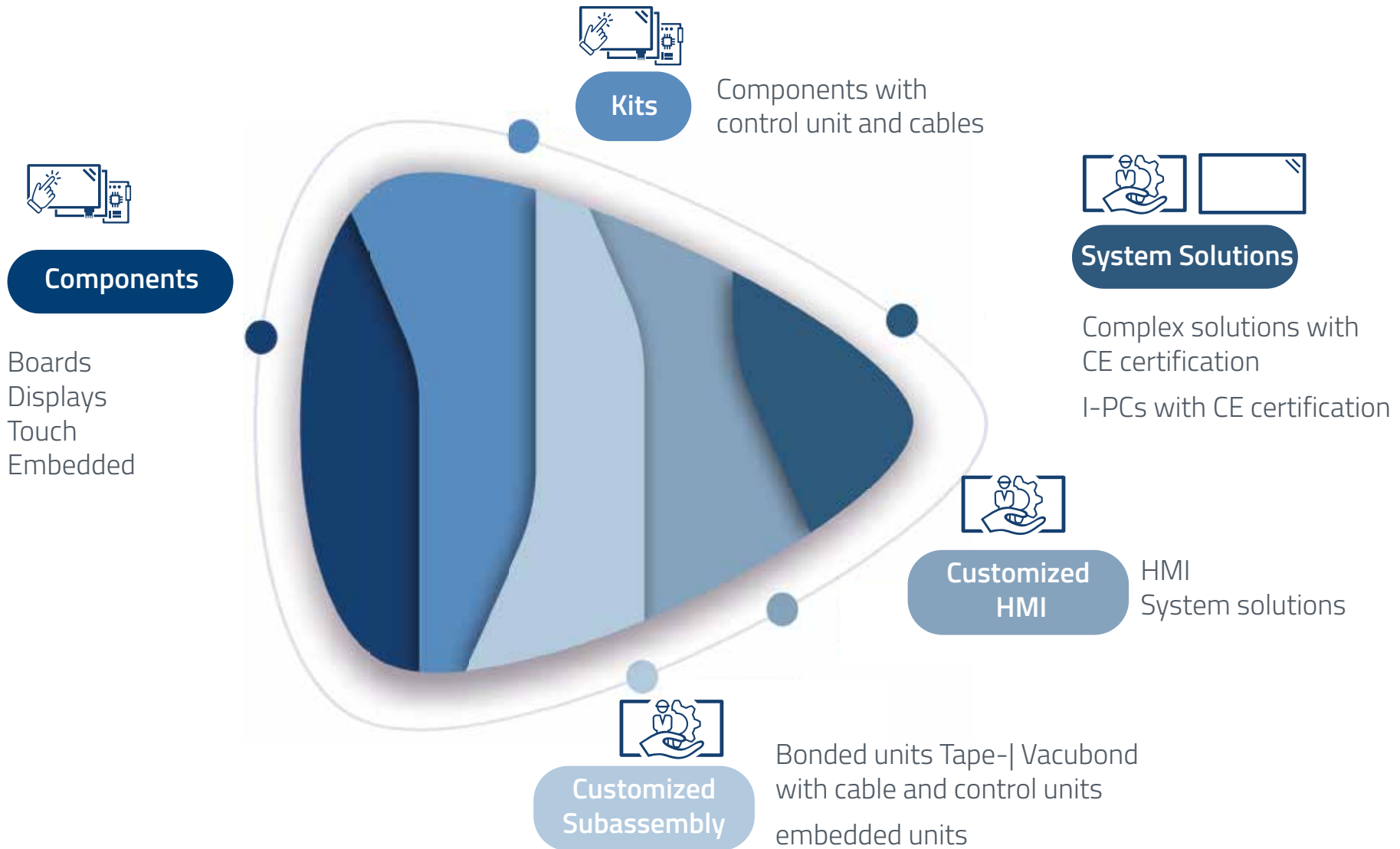
Electronics TFT-LCD controller boards. Graphics cards for digital and analog video signals, ARM- and FPGA-based boards.

Manufacturing

Monitor manufacturing, touch and protective glass integration, software integration, **TFT panel upgrade** (brightness, anti-reflective, transfective), **VacuBond® Optical Bonding**, TFT kit solutions.



INTERNAL MANUFACTURING DEPTH



DISPLAYS

FEATURES

- Diagonals from 1.77" to 98"
- Brightness up to 3500 cd/m² and suitable for sunlight
- Large product range for industrial and medical applications use
- Displays with very wide, symmetrical viewing angle
- Professional PID large screens
- Displays with a wide temperature range from -40°C to +85°C
- Robust displays with very high shock and vibration resistance up to 6,8G

- Standard displays
- Touch displays
- Hidden displays
- Special formats
- High Brightness
- Rugged displays
- Transflective displays
- Transparent displays
- EMI shielded displays

PARTNERS

Ampire, AUO, BOE, Disea, DLC, Innolux
KOE/JDI, Kyocera, LG, Lincoln, Toppan,
SGD, Tianma



TOUCHSCREENS

FEATURES

- PCAP touchscreens from our own series and from DMC from 1.77" to 86"
- PCAP touchscreens with up to 10 touch points and gesture control
- Support for active pens
- Resistive and infrared touches
- Particularly scratch-resistant due to glass surface
- Can be cleaned with all cleaning agents - an important advantage in hygienically sensitive areas
- Glasses with chemical or thermal hardening and customized printing and processing of the glass
- Spezial protective glass for protection against vandalism

- Perfect for modern TrueFlat designs, similar to smartphones or tablet PCs
- Also optical bonded as an unit with protective glass and/ or TFT display
- Glass | glass technology enables unrestricted operability
- Touch with knop
- Hidden touch displays
- Hover touch screens with gesture support such as:
Dwell, tap, swipe and rotate
replace touch event or scrolling

PARTNERS

Abon Touch, DMC, EETI, Ilitek, Advanced Silicon, Touchnetix



HIGHLIGHT

Infinite Touch: with customised designed protective lenses, calibrated for your requirements

RELIABLE TOUCH FUNCTION

-  with gloves
-  under influence of water
-  under influence of salt water

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BONDING SOLUTIONS

FEATURES

Optical Bonding - VACUBOND®

- Better readability by cancelling reflections while maintaining the same power consumption
- no contamination, condensation and no fogging due to avoidance of an air gap
- High vibration and shock resistance with Optogel
- Improved heat dissipation
- Environmentally friendly due to reversible process
- Can be used in existing constructions
- Certifications in the field of Automotive, Defence, Medicine
- Special applications such as in the ATEX area with VoidFree bonding

Tape Bonding

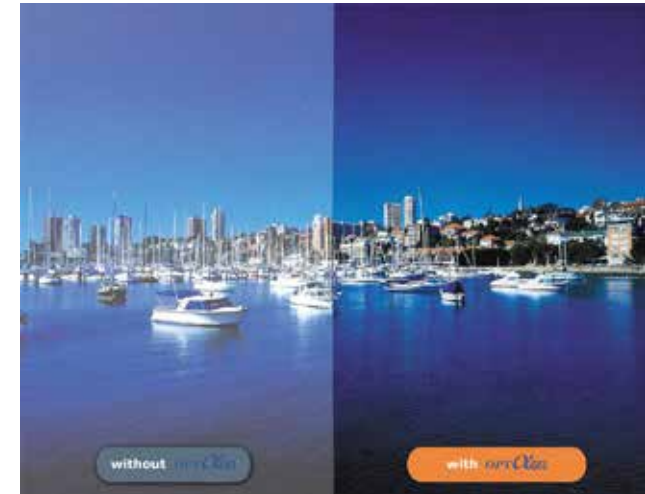
- Air Gap Bonding
- Tape Assembling | IP protection

Lamination

- OCA lamination of protective glass, EMI and touch sensors and laminated safety glass

Other services

- Project-related liquid bonding
- Gap Filling
- Surface activation
- Structural bonding



VACUBOND®

VacuBond is our in-house technology from FORTEC Integrated for highly transparent bonding of TFT displays with touchscreens and/or protective glass using high-performance silicone gel.

CONTROLLER

FEATURES

- Industrial converter cards of the Prisma series convert various input input signals into a TFT display compliant TTL, LVDS, eDP or V-by-One signal
- Artista controller boards with the latest Raspberry Pi CM3+ and CM4 are the perfect foundation for:
- Cost efficient IoT and Industrie 4.0 applications such as:
 1. Monitoring and control of vending machines
 2. Gateway to middleware,
 3. Building management
- Sensors, for example for
 1. Optimisation of power consumption
 2. Adjusting the brightness to the ambient lighting and for extended product service life
 3. Device protection against damage due the overheating or frost
- Smart LED provide, for example the right power & for dimming
- UHD controller Prisma 4K
- Temperature range monitoring
- Customized adaptations such as Pre-configuration to a display or purchase of the software for your own configuration of displays possible



EMBEDDED

FEATURES

- Edge AI systems & Industrial Box PC
- Industrial PCs and 19' servers
- Single-Board Computer (SBC)
- Industrial motherboards
- Computer-on-Modules (COM)
- Board- | Display Kits (Standard & Customized)
- Industrial accessories such as memory, SSD & flash memory, cables, expansion cards
- Customised hardware, software and system development
- Windows 11 | 10 IoT Enterprise LTSC
- Linux
- Customised designs
- Extended temperature range from up to -40°C up to +85°C
- 24/7 operation



- Low maintenance and robust industrial quality for extreme conditions
- Expert advice & consulting
- Pre- and after-sales support

PARTNERS

FORTEC, Advantech, ASUS IoT, congatec, iBASE, Nexcom, Teltonika-Intel, AMD, Microsoft, NVIDIA, Hailo, Qualcomm, NXP, TI, MediaTek

MONITORE

Designed,
developed and
made in Germany

FEATURES

- Monitors from 3.4" to 85.6" (8.6 cm to 217.43 cm) screen diagonal
- Monitors depending on requirements from open frame to closed systems
- Various integrated control systems, from a video card to Raspberry Pi based IoT solutions to PCs of various performance levels
- Variety of options such as touch, protective glass or front and installation frames
- All monitors are designed and developed by our development team
- Very good long-term availability of spare parts
- High ease of repair
- Fire blazed optimized monitors and totems
- Touch monitors
- 4K UHD monitors
- IoT monitors and panel PCs
- E-paper monitors
- Cost-effective totems
- Customised special developments from the design study to series production



EUROPE'S LARGEST SOLUTION PROVIDER

POWER SUPPLIES

FEATURES

- AC/DC power supply units, DC/DC converters, chargers, inverters
- Power range from 0,5 W to 360 kW
- More than 13,000 standard products
- Modular & digital power supplies
- Digital interfaces for device control (CANBus, PMBus, MODBus)
- Customized solutions
- Design-in on site with technical application advice and a high level of technical expertise



HIGHLIGHT

COOLX - Modular 1000 Watt power supply unit with 8 power modules for the individual structure of a system solution.



QUALITY STANDARDS

FEATURES

- Obsolescence management
- Technical support
- Returns management
- Return of old devices
- Sustainability management
- Code of Conduct
- Principles of product development:
 - Durability
 - User friendliness
 - Energy efficiency
 - Environmental protection
- ISO certified company according to ISO 9001 and ISO 14001



Our corporate network supports you worldwide with branches in Germany, Austria, Switzerland, the UK and the USA, Great Britain and the USA. For further information, please contact us:

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