N&H Technology GmbH

Import & Export of Industrial Products | Technical Support and Engineering | Business Consulting and Representation

Product Range

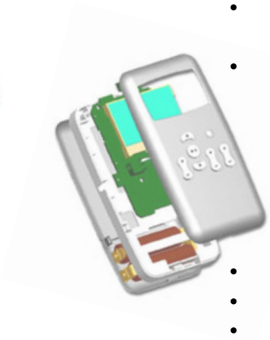
System Solutions | Modules | Components

SINGLE - SOURCE SUPPLY

Engineering in Germany - Production in East Asia

TÜVRheinland® CERT ISO 9001

Modules & System Solutions



- Production and Delivery of Modules & System Solutions for Control units according to customer technical specifications
- R&D and construction through N&H from customer design guidelines
  - ✓ Casings (plastic or metal)
  - ✓ Keyboards (silicone rubber keypads, membrane switches, input devices)
  - ✓ LCD and LED Displays
  - ✓ PCBs and Assembly
  - ✓ Interfaces (plug or cable connections)
- Tooling for Moulded parts
- Procurement of outside Components
- Complete Assemblies in Asia
- Testing of mechanical and electronic Interface values
- Final Tests and Inspection on products

Components

Keypads and Touch Panel

- Silicone Rubber Keypads
  - ✓ Various Coatings und Surfaces
  - ✓ Laser Marking on silicone keys and plastic caps
  - ✓ Embossed PC Foil (IMD) with printing on rear side
  - ✓ Chrome-plated platic caps
  - ✓ Integrated Light Guides in Silicone or Plastic
  - ✓ Integrated EL or LED Backlight
  - ✓ With Mylar Dome oder Metal Dome
  - ✓ Various Carbon and Metal Contacts
- Membrane Switches
- Touch Panels of various technologies
- Vandal-resistant Keyboards, Metal Keys with backlit metal keys
- Tact Switch Keyboards

Switches

- Tact Switch
- Double Action Tact Switch
- 4-Wegtaster (Joystick Switch)
- Detect Switch
- Slide Switch
- Multi Function Switch
- Tilt Switch
- Capacitive Switch-key
- DIP Switch
- Rotary Switch
- Encoder

Connectors and Cables

- Silicone Rubber Connectors for LCD (Zebra Crossing, Conductiv Rubber)
- Male and Female Board Connectors
- Cables and Headers
- Cable Assemblies, customer-designed
-

LCD - and Optoelectronics

- TN, HTN, STN, CSTN, FSTN, DSTN, MSTN and TFT
- alphanumeric and graphic
- Controller options: COB, COF, COG, TAB/TCP
- EL, LED or CCFL-Backlights, customer-designed
- with integrated Touch Panel
- SMD-LED
- High Power LED and Light-modules
- LED Segment Display
- Field-Sequential-LC-Displays with integrated Touch Function ***! NEW !***
- LED Indicator Circle

Buzzer und Acoustics

- Piezo Ceramic discs
- Loud Speakers and Sirens
- Microphones and Receivers
- Piezo and Magnetic Transducers
  - ✓ Mini SMD devices available

PCB and Electronic Assembly

- Flexible, Rigid and Rigid-Flex PCBs, Multilayer
- Assembly customer-specified
- Moulded Interconnect Devices (3D MID)

Batteries and Power Supplies

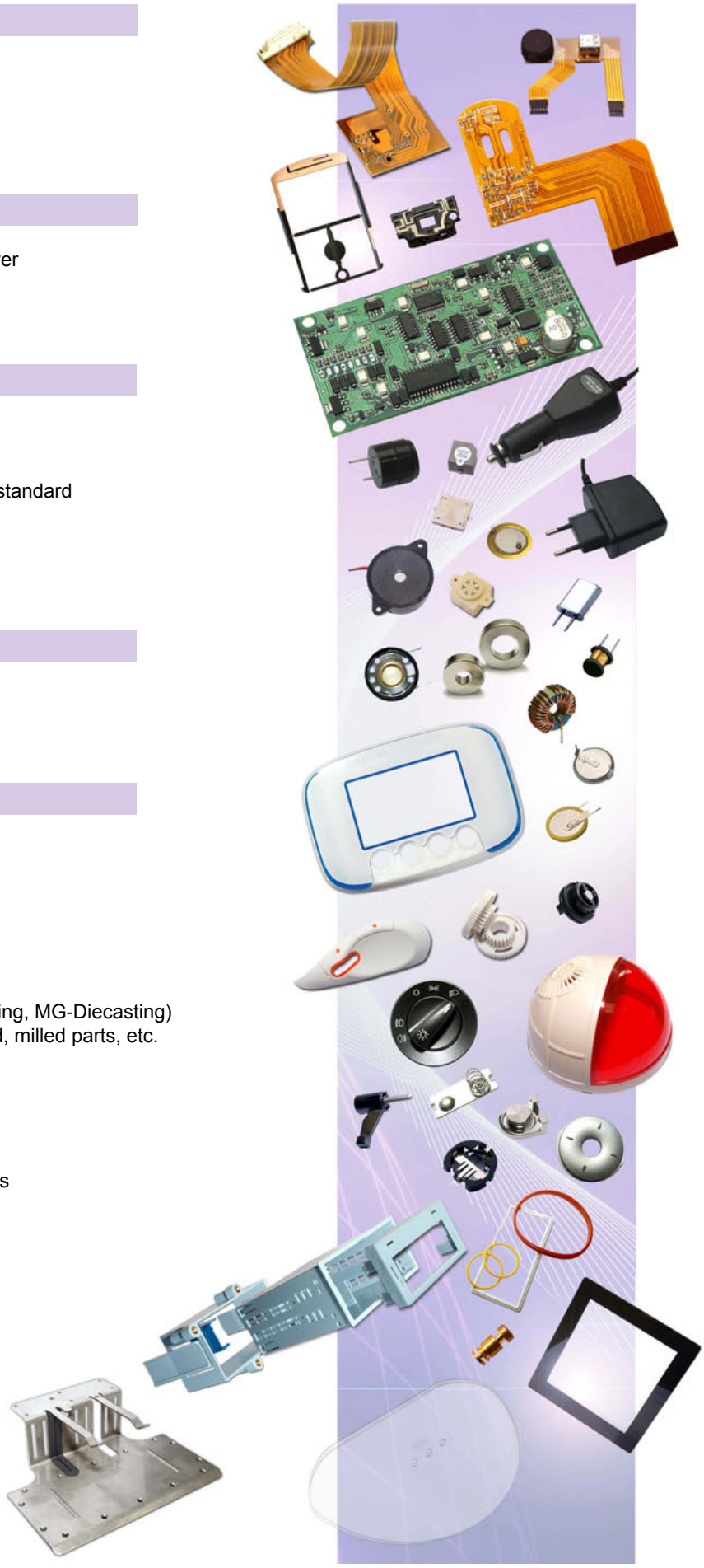
- Plug-in Power Supplies
- Converters
- Primary Batteries
  - ✓ Lithium, in particular button cells, with standard or customer-designed connector pins
- Rechargeable Batteries (Accus)
  - ✓ NiCd / NiMH / Lithium-Ion
- Chargers

Passive Components

- DC-Motors (small type)
- Rare-Earth Magnets, SmCo and NdFeB
- Oscillators & Quartz

Molded Parts and Materials

- Plastic Parts
  - ✓ Housing Parts, also IMD Technology
  - ✓ Electro-plated or lacquer-coated
  - ✓ Laser engraved or printed legends
  - ✓ coated with metal screw thread
- Metal Parts
  - ✓ Cast metal (Zn-Diecasting, AL-Diecasting, MG-Diecasting)
  - ✓ Die-cast, punched, deep-drawn, turned, milled parts, etc.
  - ✓ Contact Springs
- Rubber Parts
  - ✓ O-Rings and Seals
  - ✓ Rubber grommet
  - ✓ Rubber damper, -belows, -molded parts
  - ✓ combined metal/rubber parts
- Glass Parts
  - ✓ Design Glass, underside printing
  - ✓ Optical Coating Glass
  - ✓ Flat Display
  - ✓ Glass for Home Appliances
  - ✓ Scale Glass, tempered
  - ✓ Glass Base



N&H Technology GmbH

N&H Technology provides the link between customers in Europe and manufacturing plants in Asia. Our team at NH Technology, comprising of both German and Chinese engineers, ensures excellent communication and exchange of information even in complex technical issues.

Our manufacturing plants are certified according to ISO 9001, ISO 14001, TS 16949 and ISO 13845

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Service

- Technical Support for Design and Development of new projects, Guidance and technical advice throughout project
- Construction, development and design on behalf of customer
- PCB Circuit Design
- Cost-reducing solutions and technical options
- Project development of keys with special functions
  Joint Patent Protections rights with customer possible
- Takeover of Assembly in Asia
- Professional Logistics; Buffer stock in Asia and at N&H in Willich, Germany possible

N&H Laboratory

We carry out tests and analysis on site at Willich

- Force-travel performance of control units
- Life and durability of control units
- Abrasion resistance of coated and printed surfaces
- Light density, colour coordination and dominant wave lengths, brightness control (homogeneity) of displays, backlights, backlit keyboards and pictograms, etc.
- Climate Tests (temperature and humidity)
- Conductivity, Resistivity and Volume Resistivity of materials and surfaces
- Resistivity of powders
- Element analysis with XRF Spectrometers
- Laser cutting, engraving and marking of small series production

References

Our products find wide application and are used by well-known German and international companies from various fields of industries including the Automobile industry, Telecommunications, Medical Technology, Industrial Automation and Building Control Systems.

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