



THE RAFI GROUP

Your innovative and future-oriented solution provider

RAFI

MISSION AND VISION

„WE ARE SHAPING THE FUTURE OF INTERACTION
BETWEEN HUMANS AND MACHINES“

RAFI is technology leader, innovation driver and first choice of contact
for leading companies in the fields of HMI und E²MS.

WHAT DRIVES US



EXCELLENCE

During the development phase, we already have the end application in mind.

- Solution orientation
- First class
- Innovations



RESPONSIBILITY

We take responsibility.

- Towards our customers
- To our employees
- For society
- For the environment



Excellently engineered. Responsibly made.

RAFI GROUP LOCATIONS

RAFI GmbH & Co. KG **Headquarters**

88276 Berg, Germany
HMI & E²MS

RAFI Plant Bad Waldsee

88339 Bad Waldsee, Germany
Injection molding & toolmaking

RAFI Eltec GmbH

88662 Überlingen
Germany
E²MS

RAFI Electronics Co. Ltd.

201103 Shanghai
China
HMI & E²MS

RAFI Poland sp. z o.o.

65-048 Zielona Góra
Poland
Software development

RAFI Hungaria Kft.

5400 Mezötúr
Hungary
HMI & E²MS

RAFI Italia S.r.l.

20040 Cambiago (Mi)
Italy
HMI

RAFI North America

Milwaukee, WI 53224
USA
HMI

FACTS & FIGURES



8

Locations
on 3 continents



417

million EUR turnover in 2024



2,248

Employees in 2024



33 %

Of the electricity required
is generated internally



> 100

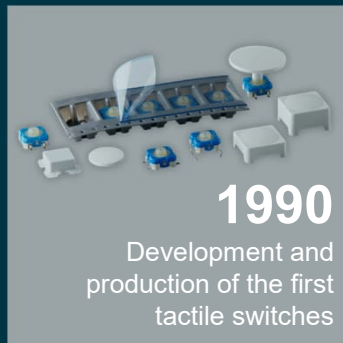
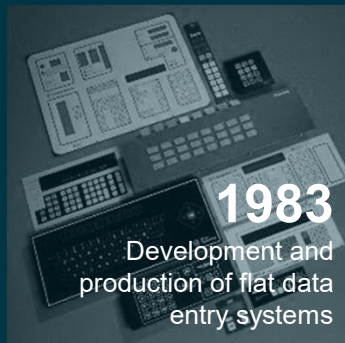
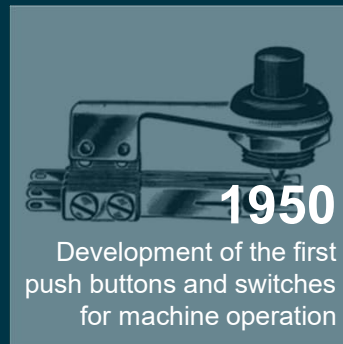
Production technologies



46,150 m²

Manufacturing space

MILESTONES FROM 125 YEARS



OUR RESPONSIBILITY



ENVIRONMENT

- 100% green energy from hydropower [DE]
- PV system and cogeneration plant [Berg]
- Environmental management according to ISO 14001 [EU]
- Energetic renovation measures
- Returnable packaging
- Logistics projects to optimize emissions from the movement of goods
- Annual sustainability report



SOCIAL

- Strategic training and further training
- International cooperation for the further training of employees
- Cross-company training center
- E-Learning platform [DE, HU]
- Corporate health management [Berg]
- Social commitment through sponsoring [DE]
- Active promotion of work-life balance



GOVERNANCE

- Sustainable corporate management
- Flat hierarchies and direct communication
- Young management talents program
- Structured Innovation Management
- Structured Compliance Management
- Protection and security of personal data (ISO 27001) [GER]
- Code of Conduct for employees and business partners (CoC)
- Project Team Risk Analysis LkSG

WHAT MAKES US SUCCESSFUL



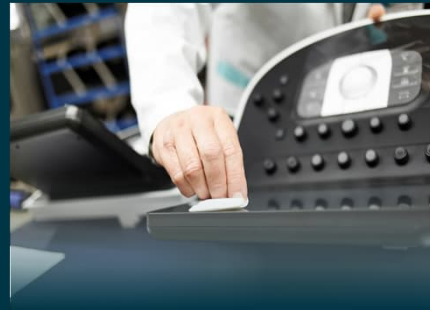
INDUSTRY DIVERSITY

- Industry teams in development and sales
- Broad industry knowledge
- Long-standing business relationship with industry leaders



VERTICAL INTEGRATION

- Numerous in-house manufacturing technologies
- Reduced dependence on suppliers
- Security of supply from Europe



PRODUCTS & SOLUTIONS

- Development expertise
- Software development expertise
- Standard products (catalog products)
- Platform technologies
- E²MS solutions



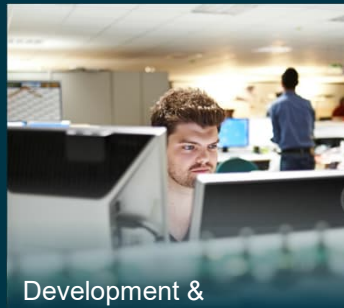
FLEXIBILITY

- Flexible working time models
- Eight locations worldwide (Global footprint)
- The right location for every project

VALUE CHAIN



Requirement management



Development & Construction



Production equipment manufacturing



Plastic injection molding



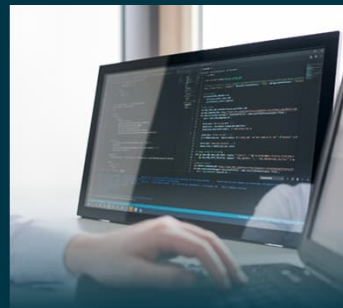
Printing technology



Metal processing



Touchscreen sensors



Software Development



Electronics



Assembly

INDUSTRIES



Agriculture



Material Handling



Robotics & Automation



Industrial Controls



Commercial Appliances



Construction



Healthcare



Telecommunications



New Mobility &
Smart Infrastructure

OUR PRODUCT DIVISIONS

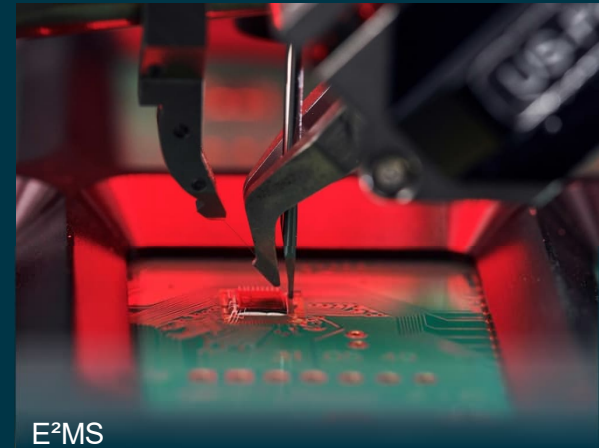


HMI STANDARD PRODUCTS



HMI SOLUTIONS

International design protection by UGG. Design and embodiment are the property of United Grinding.



E²MS

The image features a collection of industrial HMI components against a dark blue background with a glowing network of white nodes and lines. The components include: a red emergency stop button with a yellow base; a black push button with a white face; a green push button with a silver face; a blue rotary switch; a red warning light with a textured lens; and a grey rectangular terminal block with two white push buttons and a green indicator light. The text "HMI STANDARD PRODUCTS" is overlaid in white, bold, sans-serif font at the bottom.

HMI STANDARD PRODUCTS

SUCCESS FACTORS HMI STANDARD PRODUCTS



Catalog products in compliance with multiple standards



Decades of experience in electromechanics



Customized versions available on request



RAFI contact person on site as well as worldwide availability via distributors

CONTROL AND SIGNALING COMPONENTS



IO-LINK

- HMI meets IO-Link
- World's first IO-Link pushbutton box
- RGB signal lamp
- Bus-independent
- Individually configurable and parameterizable



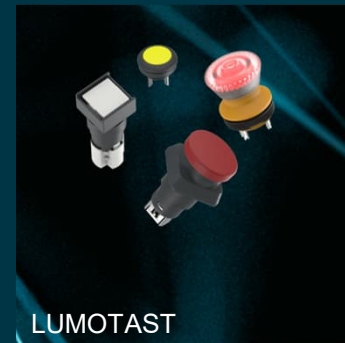
RAFIX

- Control and signaling devices in modular design
- PCB and flat plug connection
- Very flat design with only 9.2 mm behind the front panel
- Individual labeling options



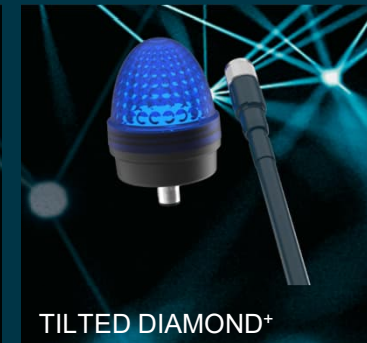
RAMO

- Command and signaling devices as an all-in-one product
- Plug & Play with M12 standard cables
- All around closed housing
- Hardly any mounting errors without tools
- Individual labeling options



LUMOTAST

- Compact and flat push-buttons and emergency stop
- Emergency stop active/inactive
- Suitable for integration in handhelds and small input panels
- Individual color combinations possible



TILTED DIAMOND+

- Bright LED signal lights show machine states
- Manual wiring and plug & play with M12
- IO-Link version

TACTILE SWITCHES



MICON 5 S

- The small one with the big click
- Proven millions of times
- IP67
- Pottable
- SMT and THT variants
- Unique acoustics and safe switching
- Large range of accessories



MICON 5 SL

- Concise haptics with over 10 million actuations
- Different actuation forces
- IP67
- Large range of accessories
- High switching reliability



MICON 5 SAFETY

- Worldwide unique
- 1 NC contact + 1 NO contact
- Dimension 6.4 x 5.1 mm
- IP67
- Pottable
- Nanocoatable
- Open before close
- Coatable



RACON 8/12 ST

- Robust and concise
- Proven millions of times
- IP67
- Pottable
- SMT and THT variants
- Unique haptics
- Nanocoatable
- Coatable
- Temperature range up to +125 °C

HMI SOLUTIONS



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SUCCESS FACTORS HMI SOLUTIONS



Customized HMI solutions using the state-of-the-art platform technologies



Cost-efficient development through platform-based system architecture



Personal project support from inquiry to spare parts requirements



In-house touch sensor production for the long-term availability of your products

PLATFORM TECHNOLOGIES



GLASSCAPE

- Capacitive input and intuitive operation
- Supply reliability
- Short supply chains
- Custom design options
- Sensor Made in Germany



FLEXCAPE

- Haptic operating elements for closed touch surfaces
- Innovative operating feel allows blind operation
- Custom operating options
- Flexible positioning anywhere on the touch field



JOYSCAPE

- Joystick platform for integration in RAFI control systems
- Platforms with different joystick sizes
- Wear-free technology
- Custom design options
- Made in Germany
- High supply reliability
- Long-term availability
- Used in many industries



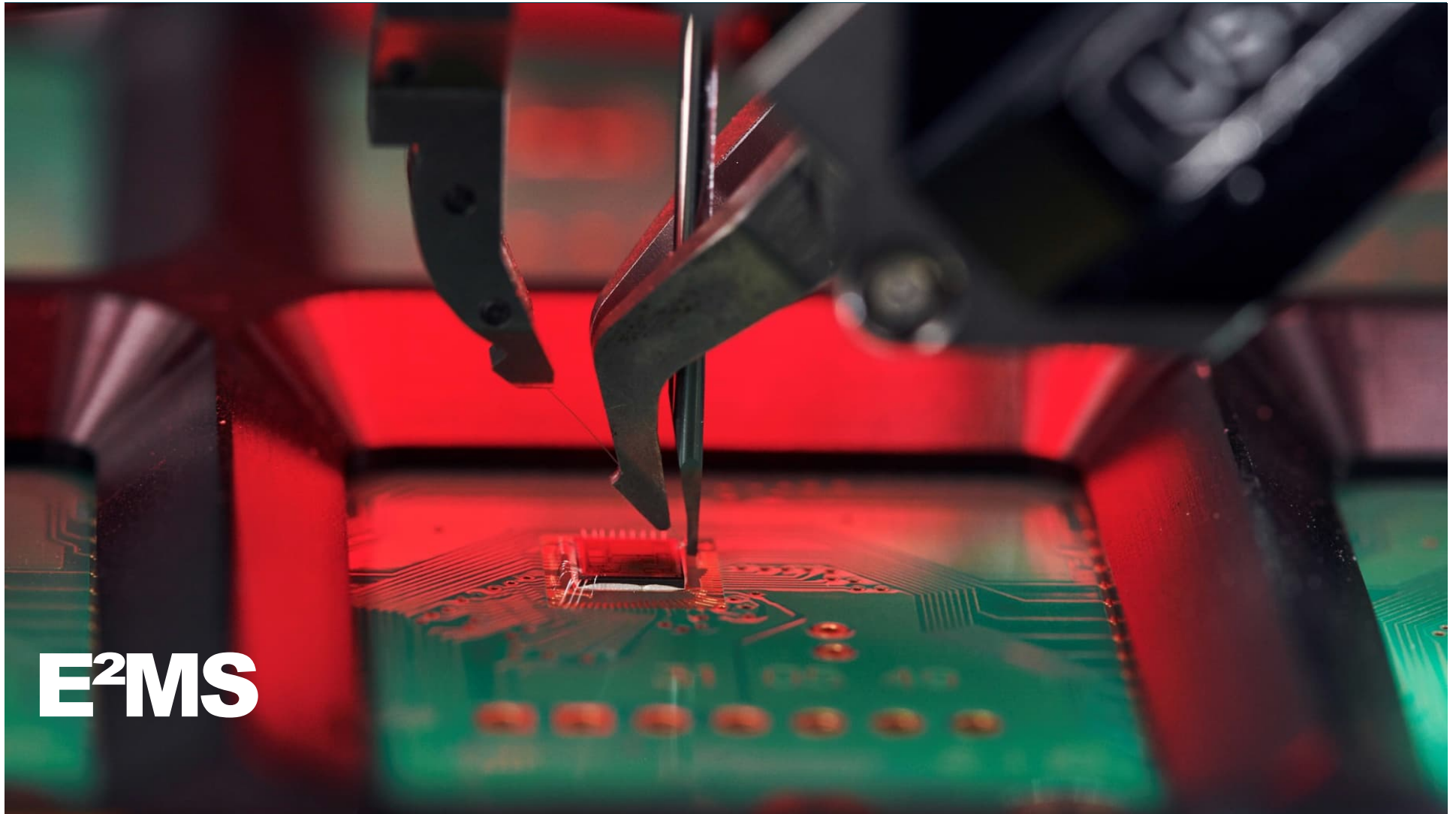
ECU

- Plug-in modules and integrated solutions
- Five power classes
- High supply reliability
- Long-term availability



MEMBRANES

- Rugged and reliable pressure-sensitive keypads
- Tactile feedback with metal or polyester domes
- LED Backlighting
- Deadfront graphics
- Sealed switch for harsh environments
- Easily cleaned



E²MS

SUCCESS FACTORS E²MS



State-of-the-art manufacturing technologies



Development skills



Portfolio tailored to current customer requirements



The right location for every project

E²MS VALUE CHAIN



DEVELOPMENT

- Requirements Management
- Mechanics & Electronics
- Software
- Project Management
- Tooling, operating and test equipment
- PCB design
- Quality planning
- Prototyping
- Test center (verification and qualification)

INDUSTRIAL ENGINEERING

- Design for Assembly
- Design for Manufacturing
- Design for Testability
- Design for Excellence
- Design for Cost

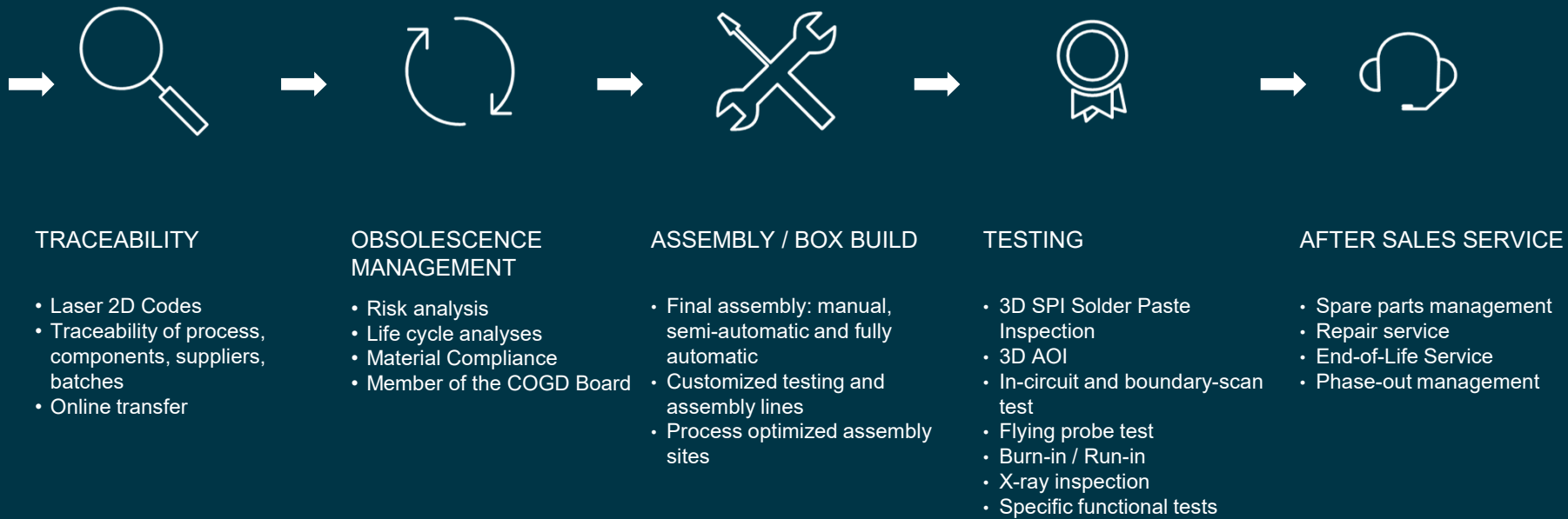
GLOBAL SUPPLY CHAIN MANAGEMENT

- Global Sourcing (worldwide purchasing activities)
- Supplier management
- Partnership with manufacturers
- Allocation Management
- Automated material flows
- Local sourcing via RAFI locations

MANUFACTURING TECHNOLOGIES

- SMD Highspeed and THT assembly systems
- Package-On-Package
- Flex and rigid-flex
- Casting / Hotmelt
- Assembly cleaning
- Chip on Board (Cleanroom)
- Protective coating

E²MS VALUE CHAIN



QUALITY MANAGEMENT CERTIFICATES RAFI GROUP



RAFI

**GET IN
TOUCH**
rafi-group.com