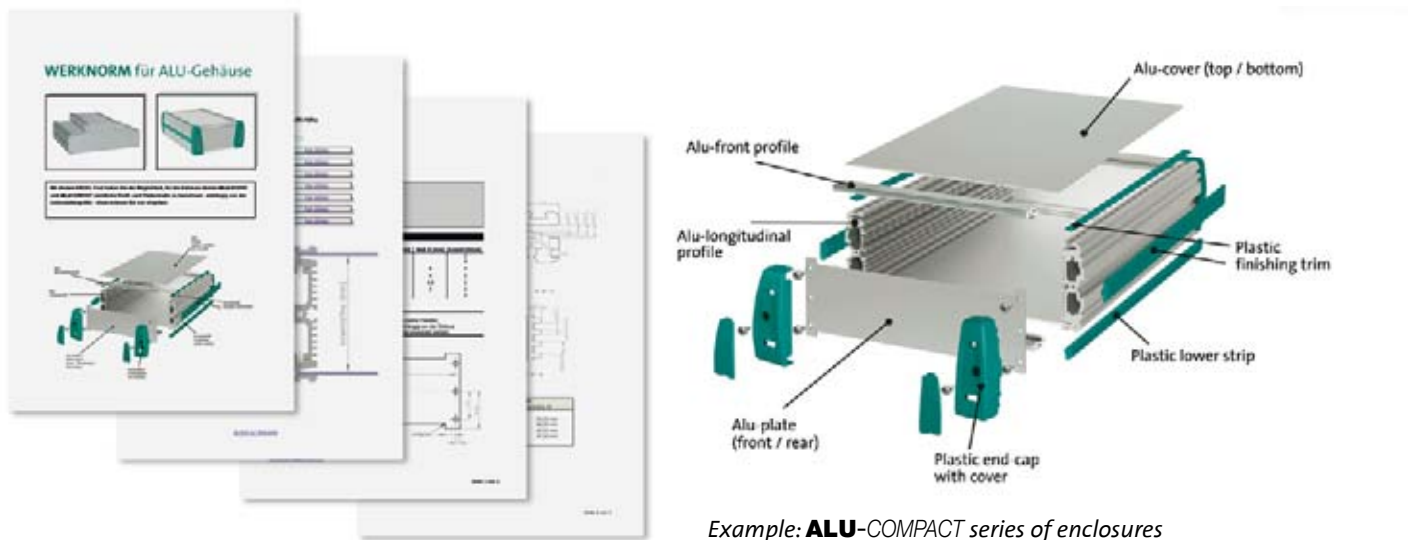# ENCLOSURE SYSTEMS **SoluComp®** | **MultiProf®**

SoluComp® | MultiProf®

Well-engineered enclosure systems and tailor-made solutions for your components

Perfect colour, shape, features

The **MultiProf®** - concept

Thanks to modular construction methods and an almost unlimited profile geometry combined with contemporary design, the **MultiProf®** series - **multi**functional **prof**ile systems – offers completely customisable configuration options with respect to shape and size.

Example: **ALU**-*COMPACT series of enclosures*

The concept is based on aluminium and/or plastic profiles that can be modified by a combination of different components to produce the base support when it is screwed to the front-plate. You can use this to produce a variety of different shapes and sizes. Grooves on the inside of the profiles support the PC-boards, nuts or threaded strips where components or mounting plates can be attached. The plates for the front, top and the bottom of the enclosure may be screwed down or simply inserted into grooves. On this basis, a large number of different applications may be developed such as enclosures for electronic equipment, monitors, desktop, console, DIN-rail enclosures or built-in boxes. The construction and engineering of the components are based on the principle of "form follows function" since the components are tailored to match the PC-boards or to the customers specific requirements.

The constant availability of a large number of standard enclosures and accessories like foil keyboards, wall brackets, etc. save a lot of time and money for the development work. The result is a distinctive design based on the choice of colour in combination with the moulds and end pieces. What is more, reordering/replacement purchases are simplified since the different components are available separately, as subassemblies or as completely assembled systems.

Enclosures can be machined, surfaces treated and printed as required by the customer. The sizes of the enclosures are determined by the individual customer's application.

The **SoluComp®** - concept

SoluComp® - **Solu**tion **Comp**onents – are well-engineered enclosures made from high-quality synthetic material, which are supported by a large variety of functional components. Without sacrificing attractive design criteria, the modular construction and engineering of the components is based on the principle of "form follows function".

Assembly:

The complete electronic board is placed on the stands with the ribs facing into the enclosure and the cabinet is simply screwed shut.

Your advantage:

It is not necessary to screw down the electronic board, reduced assembly time, no screws required for PC boards, secure installation.

Cost-effective solutions for custom enclosures can easily be implemented by specific changes to the tools that are used for the standard versions. The constant availability of a large number of standard enclosures and accessories like foil keyboards, wall brackets, etc. save a lot of time and money for the development work. In this way, a custom enclosure may be developed by simply replacing the front plate or modifying the colour scheme.

Because the different components are perfectly matched to each other during the development phase, PC-boards and other electronic components can be screwed down or inserted directly into the enclosures much like a tailor-made suit. The conductive surface coating ensures complete electromagnetic compatibility (EMC). What is more, reordering/replacement purchases are simplified since the different components are available separately, as subassemblies or as completely assembled systems. Different types of monitor enclosures are directly tailored to the respective display. Almost all models may be adapted to match the customer's requirements by replacing the entire front, face and rear with exchangeable inserts.

Your advantages at a glance:

- No fitting of the LCD into the enclosure
- Utilisation of simple standard enclosures
- No expensive milling required
- Less time required for the development of the PC-boards
- Simple assembly and disassembly of individual components

ALUMINIUM enclosures MultiProf®

ALU-*ECOPAC* SERIES
Standard
Height H = 30, 40, 50, 60, 70, 80 or 100 mm
for PC-board (L x W) 160 x 100 mm
or 160 x 200 mm

ALU-*ECOPAC* SERIES
Custom-made (free choice of L x W)
Height H = 30, 40, 50, 60, 70, 80 or 100 mm

ALU-*FRAMEPAC* SERIES
(10,4" to 55" LCDs 4:3)
Standard

ALU-*DISPLAYPAC* SERIES
Custom-made (free choice of L x W)
for 10.4" to 55" displays (4:3 or 16:9)

ALU-*FRAMEPAC* SERIES
Custom-made (free choice of L x W) for
LCD 10.4" to 55" (4:3 or 16:9)

ALU-*MONITOR* SERIES
Custom-made (free choice of L x W)
Depth D = 30, 40, 50, 60, 70, 80 or 100 mm

Let us convince you with our large variety of standard solutions
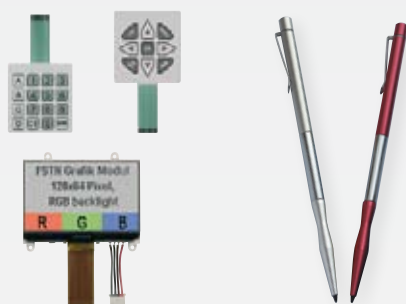
ALU-*COMPACT* SERIES
Standard
Height H = 30, 40, 50, 60, 70, 80 or 100 mm
for PC-board (L x W) 160 x 100 mm
or 160 x 200 mm

ALU-*COMPACT* SERIES
Custom-made (free choice of L x W)
Height H = 30, 40, 50, 60, 70, 80 or 100 mm

Accessories:
Foil-keyboards (standard and customised), LCD and
KM-Touch-Sticks (metal enclosure)

ALU-*PRIMUS* SERIES
Standard for PC-boards: W = 50, 65, 80, 100, 130
or 160 mm. Custom-made, free choice of length
for PC-boards. aluminium or plastic

ALU-*OPTIMA* SERIES
Standard for PC-board (L x W) 160 x 100 mm
Custom-made, free choice of length
for PC-board width W = 80, 100, 130 or 160 mm
Aluminium or plastic faceplates

ALU-*PRIMUS* SERIES
With plastic corners
Custom-made, free choice of length for PC-board
width W = 50, 65, 80, 100, 150 or 160 mm, with
optional wall mounts

www.industrial-enclosures.com

PLASTIC enclosures SoluComp®

TAW - SERIES
consisting of:
MAXI-, MEDIUM-, MINI- and MICRO-TAW

Tabletop chargers (TLS)   wall-chargers (WLS)
are universal charging stations for any type of enclosure

KM-Touch-Stick
(metallic enclosures)
with spring-loaded points,
6 colours, magnetic holders
and chain

Over and above high quality,
our main concern is the design
of the products.

A large amount of internal
accessories along with a
wide variety of suitable
components.

FSTN Grafik Modul
128x64 Pixel,
RGB backlight

R G B

SPA-enclosure for scanners, antennas,
Biochip and card readers, swivelling mount

L - SERIES
consisting of:
MAXI-L | MEDIUM-L | MINI-L

TOP-SERIES

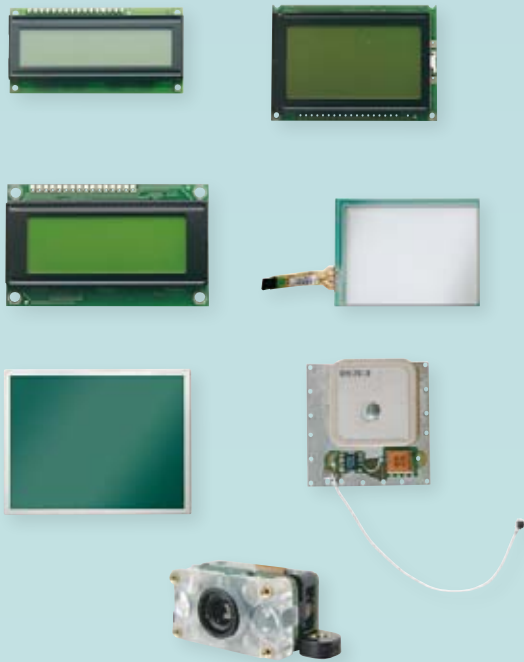Please ask for information on our product range and services

WINNER CDH - SERIES
consisting of:
CDH-2, CDH-4 and CDH-6

COMPACT - SERIES
consisting of:
MINI-, MINI-COMPACT-PLUS,
MEDIUM- and MAXI-COMPACT

KEYTOUCH KT - SERIES
consisting of:
KT4,7"/4,8", KT5,6"/5,7",
KT6,4", KT7" and KT10,4" (16:9)

Enclosure
USB-Stick

Enclosures for AKKU: APP-SERIES consisting of APP-2 and APP-3
equipped with a base plate, these can be attached to any enclosure

KEYTOUCH KT15"

About Richard Wöhr GmbH

Since the company was established in 1967, companies with business activities in electronics, electrical engineering and automation, medical and dental technology, mechanical engineering and instrumentation, metal processing, plastic processing and castings place their trust in the capabilities offered by our company. Over the years, new business segments were added, i.e. the production of enclosures and keyboards as well as sheet metal processing and systems engineering. The integration of KM-Gehäusetech GmbH & Co KG extended the product range with innovative, customised solutions in industrial and electronic components. We are continuously extending the design, development and manufacturing capacities in Höfen/Enz. As a family-run enterprise that has been successful for many years we are committed to our location, maintain business values like credibility, trust and reliability, align our processes with the requirements of our customers and regard our workforce as competitive advantage and not as an expense. We are convinced that today's growth is the basis for tomorrow's investments.

We develop, manufacture and distribute a wide variety of products consisting of industrial components in the areas of control, operating and display, including industrial enclosures, foil-keyboards, front panels and foils as well as input systems. Our product range includes simple, cost-effective standard designs through to complex, customer-specific solutions in systems engineering. Metallic and plastic surfaces are treated and improved by means of varnishing and powder coating, silk screening and pad printing or by modern grinding and blast technologies. Our quality management system is certificated according to DIN EN ISO 9001 and DIN EN ISO 13485 (medical). The company's capacity for innovation is reflected by a huge number of commercial trademark rights since we are actively involved in developments in the conflict that exists between humans and technology. Our product dedication as well as the high proportion of in-house production enables us to offer express services for all ranges. Give us a challenge!

Richard Wöhr GmbH
Gräfenau 58-60
D-75339 Höfen/Enz

Telephone: (49) 7081 9540-0
Fax: (49) 7081 9540-90
E-Mail: Richard@WoehrGmbH.de
Internet: www.WoehrGmbH.de

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Perfect colour, shape, features