



INPUT SOLUTIONS

Global leading manufacturer and developer for Input Solutions



WE OFFER

Service where you need us.

In-House core competences:

- Worldwide local presence
- Multi-language support
- Engineering / Design / Service
- Key Account Management
- Project Management
- Logistic / Administration

We offer customized **work shops** around the world to provide you the **latest innovations** and design possibilities.

Continuous improvement is the core of our business philosophy.

**EXPERIENCE
ENSURES
BETTER SOLUTIONS**



INPUT SOLUTIONS

Abatek stands for **professionalism** & **experience** within in the rubber industry offering **100% In-House** services since 1992.

Abatek operates its **own mixing** plant & manufactures in accordance with all common **production technologies** plus **state of the art tooling**. This enables the production of **complex products** made of customized materials which precisely meet your requirements.

Naturally in compliance with the **highest quality** standards like IATF16494, ISO 14001 and ISO 9000/9001/9004.



CLICKPAD

ClickPad is a **short stroke** silicone keypad with a clear Snap. It has a **unique feel** generated through a combination of technologies.

Metal domes are automatically assembled and directly integrated into the keypad for optimal haptic, high life cycle and repetitive feel.

Abatek not only provides a product! Additional functions like redundancy, capacity, double stroke, sealing function & many more can be added.

UNIQUE! In addition to the shape & and tactile feel the acoustic can be adjusted.

All this results in best quality and in a stable system sold over 200 million times in the global market.

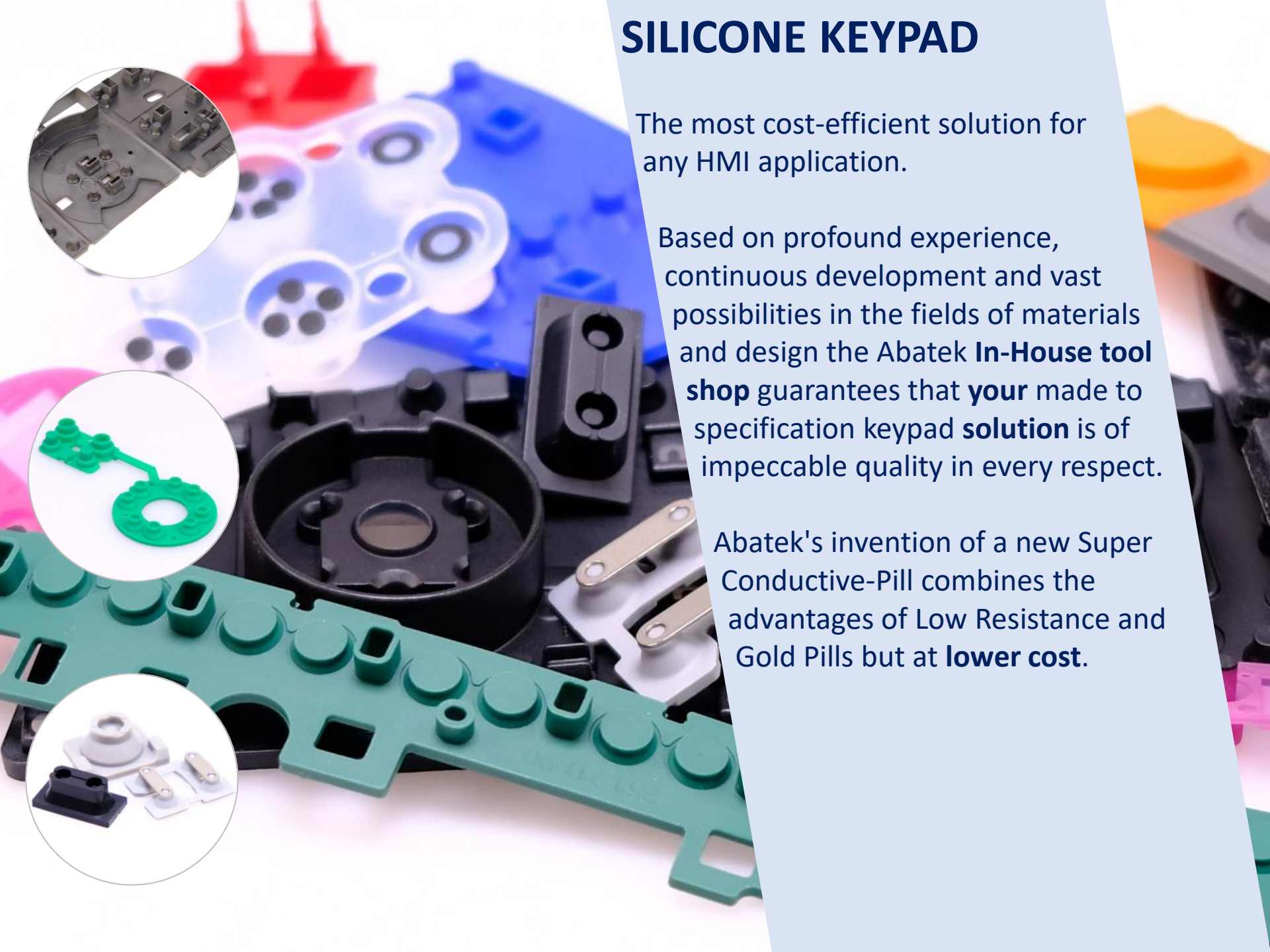


SILICONE KEYPAD

The most cost-efficient solution for any HMI application.

Based on profound experience, continuous development and vast possibilities in the fields of materials and design the Abatek **In-House tool shop** guarantees that **your** made to specification keypad **solution** is of impeccable quality in every respect.

Abatek's invention of a new Super Conductive-Pill combines the advantages of Low Resistance and Gold Pills but at **lower cost**.



DECORATIVE KEYPADS

Surface finishing for **high end** products.

Using Abatek printing and laser services combined with the exclusive - **best in class** - protective coating called Abatek Sealplast assures longest possible product lifetime for silicone surfaces.

Adding any kind of artwork, legends or full surface cover using those techniques is a very **cost-effective** way to **highlight** the brand or function.



SOFTPLAST®

Softplast® is primarily used in consumer electronics.
It will bring your HMI to a **new level**.

A very **flexible**, closed and highly customizable **surface** in terms of surface structure, design and lighting.
It is **HARDER** than silicone keys but **SOFTER** than plastic - hence Softplast®.

A **cost**-efficient combination between silicone & plastic with a superb appearance.



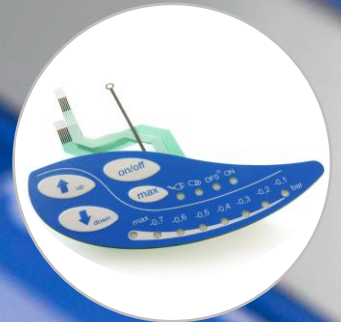
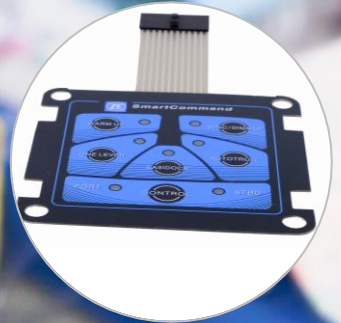
MEMBRANE SWITCH

A cost-efficient well proven switching technology with **high surface resistance**.

This surface is **closed** and usually back-printed with the option of backlighting and openings.

A **3D look** can be realized with embossed keys and tactile feedback. In addition LEDs, stiffeners and connector tails can be added.

Thanks to the super adhesive being water resistant it is also perfect for **medical and outdoor applications**.



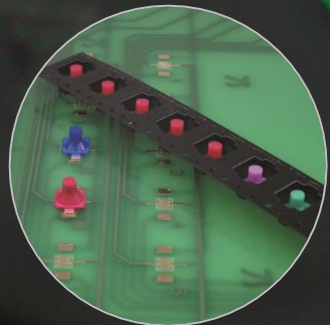
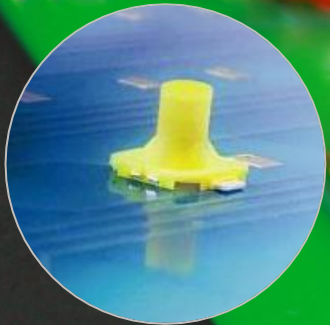
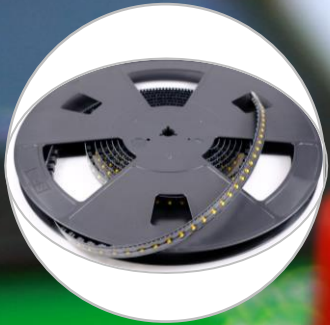
SMT SILICONE KEY

Custom SMT silicone key for long stroke application, supplied on **tape & reel** for **machinable assembly** and Pb-free reflow soldering.

The Abatek SMT Silicone Key is also available with a **capacitive function**.

Without the need for drawings and tooling, plus the **easy and fast** way to order, it can also make your prototyping a breeze.

The superior and cost-efficient substitute to common tact switches!



SLIDER

"The Slider" is a slider or rotation solution invented by Abatek.

It does not require any capacitive or FSR-sensor thus avoids all electromagnetic interference and is **glove compatible**.

Optionally added points or sections provide a **tactile feedback**.

It is a layered solution which can be **integrated** into a closed surface but still allows a wide range of design options in terms of color, print, lighting and function.

This **robust** & cost efficient solution even works on a flat silicone or a Polyform **3D surface**.



Covers

Add design to function

Combining **different materials** and **technical solutions** allow merging functions and design.

- Configurable HMI
 - modular design
- Water proof / housing seal
- Simple assembly
- Integrated buttons with flexible illumination
- Various colors and surface structures
- High abrasion resistance

Robust, reliable & safe control unit
- also suitable for **outdoor** use.

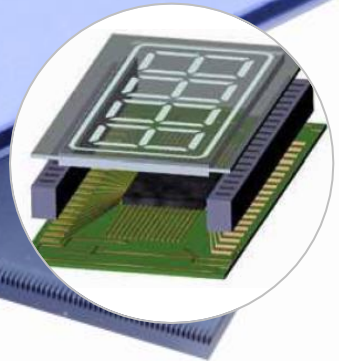
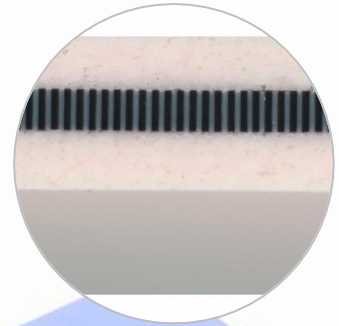


Connector / Zebra

Silicone Connector / Zebra strip is the **ideal approach** for electrical connectivity between two parallel plane surfaces without soldering or gluing.

It connects by compression thus it **saves space & it absorbs vibrations**. This enables easy & robust assembly of your LCD or capacitive foil without ZIF Connector.

The low resistance Connector / Zebra from Abatek can substitute expensive silver, nickel or gold connectors.



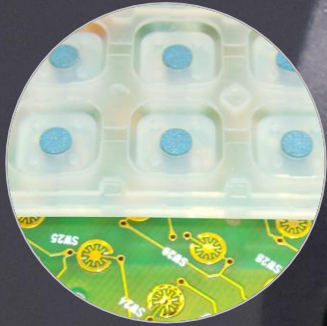
CONTACT TECHNOLOGIES

Abatek is the **world leading provider** for contact technologies.

The SC Pill technology is way **superior** to any Gold- or Carbon contact and thus **THE** benchmark within the automotive industry.

You can also benefit from other contact technologies for the best solution for your application.

Abatek with its performant portfolio ensures that your application meets **highest quality standards**.



SURFACE PROCESSING

Abatek offers the best surface treatment for **respective** application.

PEARLPLAST treatment makes the surface **dust repellent & easy to clean.**

SATINPLAST treatment enables a previously unreachable **wearing comfort** with rubber wristbands.

SEALPLAST is the **best protection** for decorative elements against abrasion. This exclusive Abatek coating assures **longest possible product lifetime** for any decorative silicone part - also for outdoor applications.

Enhance your surface to a level never achieved before.



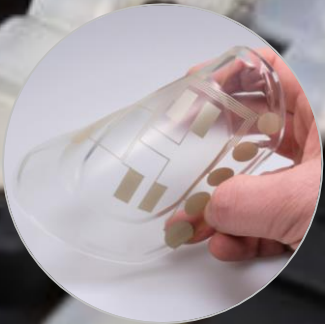
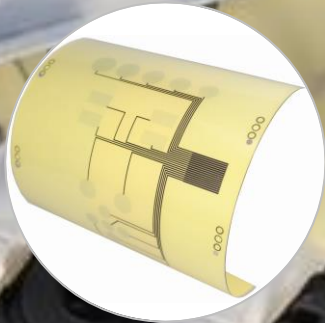
Capacitive Solutions

Abatek offers various solutions in the area of capacitance.

First: **Guiding** the electromagnetic field from the A-surface to the PCB by bridging the air gap. This solution can also be integrated into existing keypads or rubber parts.

Second: **Conductive foils** detecting the capacitive interaction can be placed right below the existing surface or can be integrated into the new surface.

Using capacitive solutions from Abatek also allows **combining** capacitive function with tactile feel and illumination.



**Material expertise
In-House tool shop
In-House production**

**All this makes Abatek THE proven leader in the
industry for over 25 years.**

WELCOME!



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