A tailor-made, programmable keyboard for one-handed use

The Challenge

Due to the consequences of an accident, our customer Max Lörch, who works as a computer scientist at CID GmbH, lost his left arm and was therefore significantly restricted in practicing his job. When programming software in development environments, the programmer often has to execute a wide variety of key combinations. These either require two hands or can only be used quickly and efficiently with two hands. Without a customer specific keyboard, the time it took the computer scientist to type in program codes with one hand increased enormously.

The Solution

A tailor-made keyboard layout with individual programming and key assignments was the best solution in order to facilitate and accelerate the use of the keyboard. Together with Max Lörch, PrehKeyTec has designed a special keyboard layout so that symbols that are frequently used during programming, such as various types of brackets, can be placed on their own keys with direct access. In addition, many other special characters were made directly available by programming the keyboard. We were also able to fit an additional number block. Thanks to this customer-specific solution, Max Lörch can now again program software quickly and effectively.

"Thanks to the tailor-made special solution from PrehKeyTec, I can use key combinations without restrictions and type significantly faster. That makes my everyday work much easier. "

Max Lörch, Solution Architect at CID GmbH

Contact

CID is an innovative, medium-sized software projects and product company headquartered near Frankfurt, Germany. It develops innovative, intelligent software solutions and products for efficient, digital processes and automation. CID empowers strategic and tactical operations with Artificial Intelligence. More than 250 employees are well-educated, experienced, and dedicated to delivering benefits to CID's customers through highly successful projects. https://cid.com/

PrehKeyTec GmbH designs and manufactures intelligent data entry and multi-functional solutions for many demanding applications. This includes customised programmable keyboards and keypads, along with data input devices. These solutions reduce the complexities of inputting data at the point of entry and therefore deliver operational benefits for the customer. All over the world, PrehKeyTec's products are being used, from retail to banking, to industrial and aviation applications. PrehKeyTec GmbH is certified to DIN EN ISO 9001 quality standards, has many years of experience in design and manufacturing, and operates from its own manufacturing plant in Mellrichstadt, Northern Bavaria, offering true "Made in Germany" solutions. https://www.prehkeytec.com/