

JÜRGENHAKE

*Wiring harnesses
for aerospace.*

quality
connections

invisible reliable connected

***Always knowing what it is about
enables us to make
the right decisions.***

At almost 70 years old we are a medium-sized company in its best age. We have the know-how and the experience to know what our industry is all about.

In our capacity as a wiring harnessing company, every day we produce absolutely reliable connections between electronic components. We know that in the aerospace world the smallest defect or error can have fatal consequences.

For many years now we have transferred our awareness of this to our business relationships. The contacts

must be right if the whole is to function flawlessly. Good contacts to others are essential so that we are not only working together with our customers but also with the same goals.

Just like our products, we work reliably in the background. With total care, from a zero-defect strategy up to the FOD of each individual employee. In this way we can guarantee that both we and your customers can concentrate on what is important.



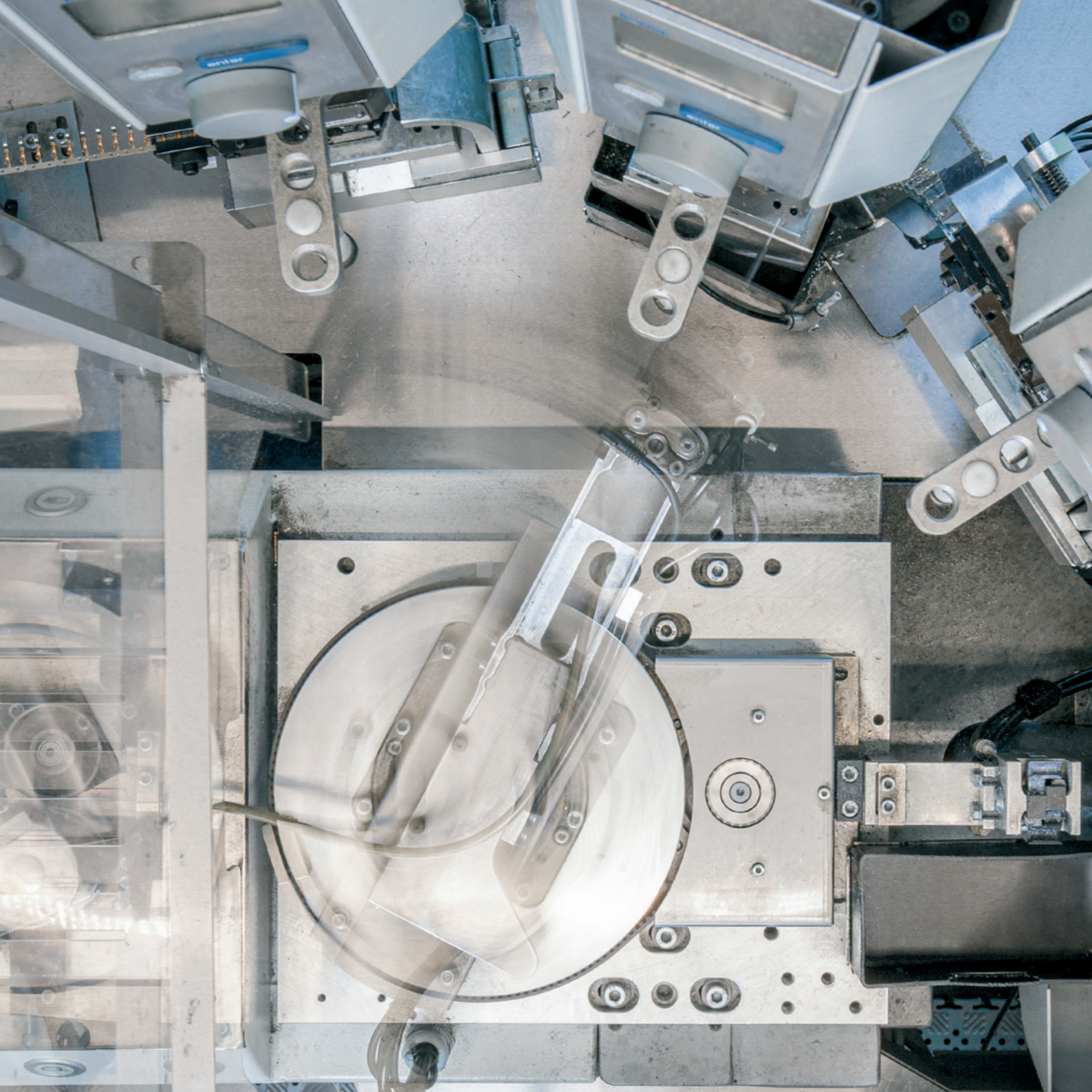
certified for process and product

***Your requirements
define our product.***

The challenges in wiring harnessing in the aerospace world are as varied as they are demanding. Efficiency, weight and customer experience - for example, in the case of board cabin electronics; mood lighting or the ability to customize individually for airlines, are constantly being further developed. Add to this systems such as SHM or the requirements for advancing digitalization. The high data rates and EMC requirements here are also massively reflected in the connectors that are used. We have made a name for ourselves through the production of individual, high-quality wiring harnesses in varying production quantities, everything from just one example up to full-scale series production.

Here we can react flexibly to the requirements of our customers, all the way up to the production of AOG-critical products. This is only possible through the perfect interplay of processes and applied technologies, such as

- automatic cutting to length and crimping
- ultrasound welding
- laser cable stripping and marking
- micrographic analysis
- high-voltage testing
- 100% testing or
- 3D-printed test adapters.



generating more value

Bundling capabilities and making use of them in a targeted way not only cuts costs but also opens up new synergies.

Our capabilities lie not only in the production of wiring groups, but also in development, and especially so. We regard ourselves as partners from the very beginning. Our specific knowledge shows itself both in the manufacture of extremely durable connections but also in their optimal layout. As a result, our digital production control ensures the reproducibility of processes with retaining maximum flexibility, for example, in the event of changes at short notice or for the production of special solutions.

Partially automated lean processes and the development of our own means of production guarantee top quality and absolute reliability at all times.

The advantage of our location in the heart of Germany, allows us to react quickly and cost-effectively to requirements from around the entire world.



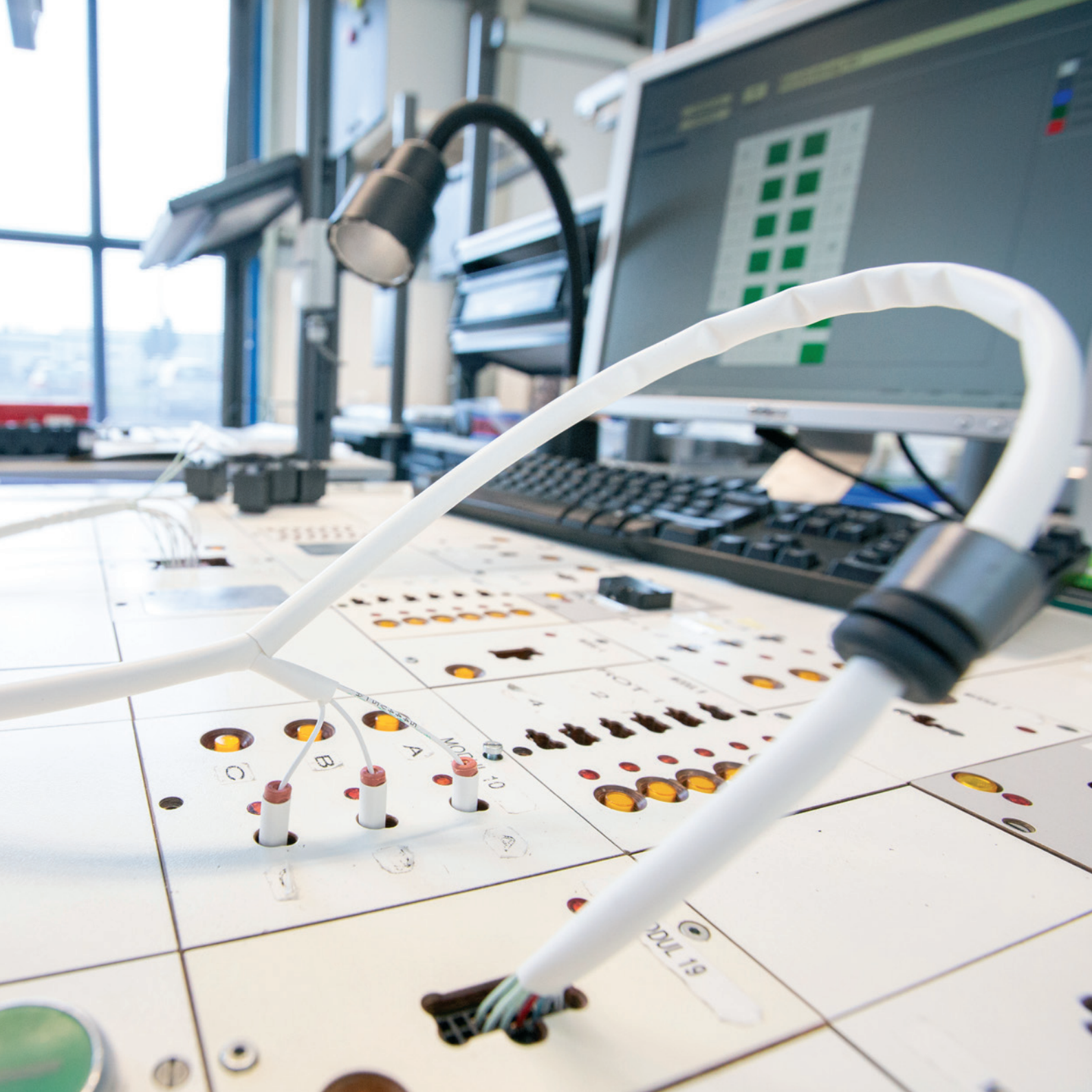
success is certain

***You must fully endorse quality
to achieve reliability.***

The success of a project is reflected in a number of details what must all fit together. The interlocking of various processes only functions smoothly if common quality standards are complied with. Here the purchasing of certified products reduces the amount of auditing and certification that we have to do and guarantees safety.

Quality, reliability and the resulting safety are the keys to long-term success, more than ever today.

Currently we are “on board” in around 9,000 Airbus aircraft.

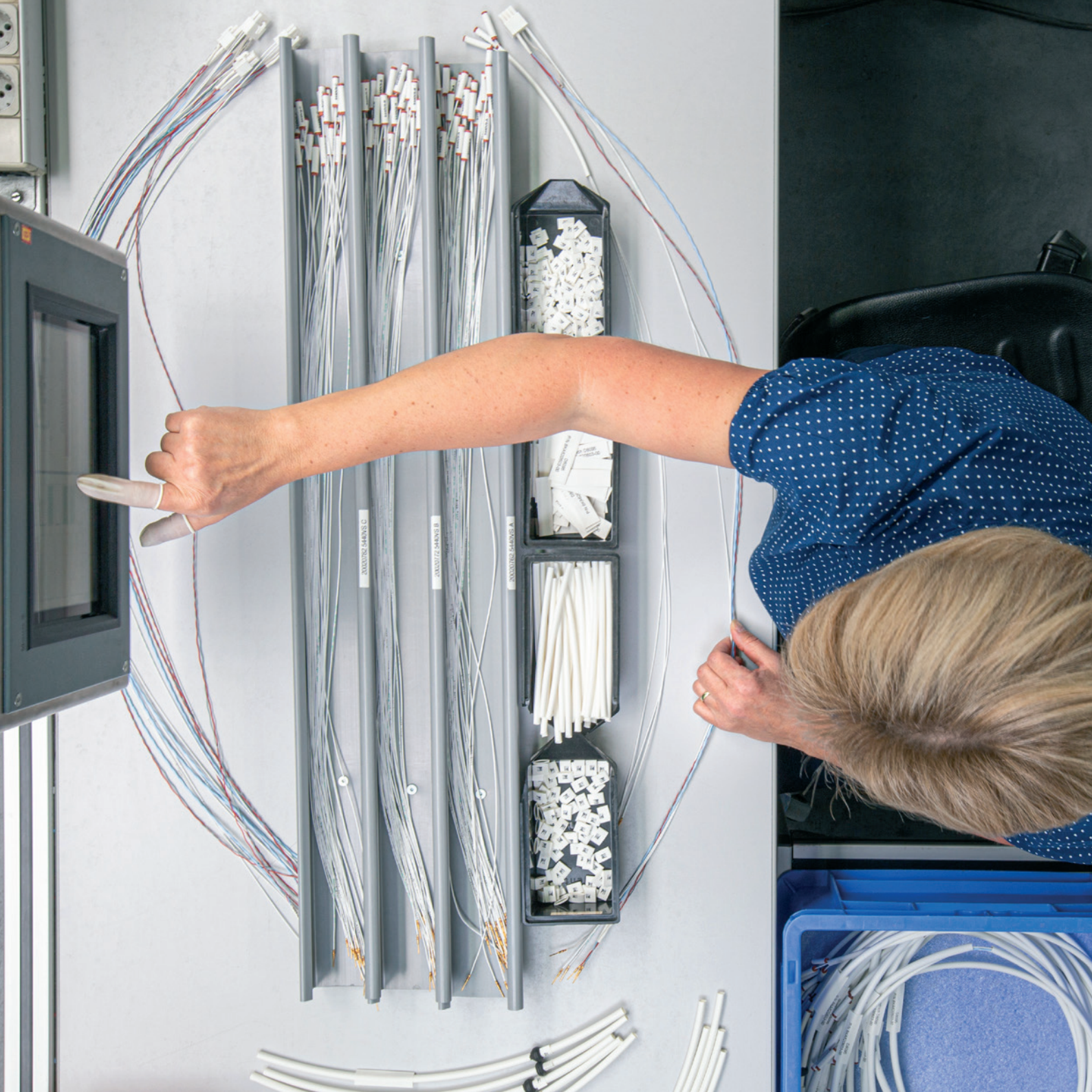


constancy through change

***Development is not
a corporate goal but instead
is a matter of course for us.***

It is the constant search for an even better solution that drives us on. In 1950 we made our money from the manual sorting and shaping of sheet metal. There we learnt from our own experience, made improvements and left behind what had already been overtaken. Because that was the only way that made it possible to handle the rapidly increasing volumes. Such procedures have been anchored in our philosophy ever since that time. That is why we developed the first fully automatic crimping machines in 1988, which that time were among the fastest ones available in the market, or invested in a fully automated warehousing system as early as the 1990s. In addition to the

technical developments and decisions that we continuously promote, there are also strategic ones that ensure our continued presence in the market. The establishment of “Jürgehake Hungary” in 1997 has put us in a position to manufacture for the automotive industry at a price that is viable for the market. Since 2005 we have been focussing with “Jürgehake Deutschland” in the aerospace market, which acts as a driver to set standards in the high-end market. The introduction of SAP had been done long before the term “digital change” became a buzzword and so we have devoted ourselves up until today to making use of the best current innovations, such as 3D-printed electronics.



what makes us so special

***The toughest standards,
continuously improved processes
and work on one's own initiative
guarantee quality and safety
in everything that we do.***

Thanks to assembly and testing stations as well as further quality assurance measures, which have been developed by ourselves and are integrated into all our production processes, we are able to supply our customer with defect-free products. Things such as 100% crimp force monitoring, batch tracking via SAP or monthly micrographic analyses in house are just a few examples of the wide range of continuously implemented testing and monitoring activities that we undertake.

An awareness of quality is not a must at Jürgehake, but instead a basic philosophy that can be seen throughout

in everything up to permanent self-monitoring by all workers. We continuously optimize our process and are certified to DIN EN 9100.

A lean manufacturing strategy is a constituent part of our company policy. Expressions such as Lean Production, Kaizen, CIP (Continuous Improvement Process) and Just In Time are part of our company policy and are applied by everyone from management to production staff. We are committed to a high level of automation and constant further development so as to reduce costs in a targeted way.



the future is now

We invest today in the technologies of the day after tomorrow so that you can easily make use of them tomorrow.

Constantly increasing customer requirements entail a high innovation potential at our supplying partners.

We think in terms of innovation both with regard to the product and also the process and continuously invest in know-how and production technology: Whether this concerns high frequency or fibre optic cables for SHM and avionics applications or individually 3D-printed resources for greater flexibility and quality in the production process.

We make use of technologies such as PbL or AR to handle combinations of a high degree of complexity plus short production runs. In our capacity as a

founding member and one of the first partners for transfer projects in the "it's OWL" technology network, we daily tackle the challenges involved in digital transformation.

We have a strong commitment in research projects such as INLUMIA, AddSmart or ResslerMID and cooperate with major players such as Fraunhofer to always remain one step ahead and to be able to take an active part in structuring Industry 4.0.

You find out more about our research projects under juergenhake.de

Molded Interconnect (MID)

Aufbau- und Verbindungstechnologien für die Produkte von morgen

LEDs

Magnetischer Batteriehalter

Durchkontaktierungen

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