

Lumberg [Discover Agility]



Home  
[High-tech]

| for Lumberg

# High-tech [Home]

|for Lumberg



Our home is Germany – our thinking is global. Whereas the electronics industry's high-tech hub in Germany's third strongest economic region – the Sauerland – is where we are based, our subsidiaries position us globally, making us a highly agile enterprise. As a reliable partner, we contribute significantly toward your success with innovative developments, customer-oriented solutions, and quality products.

We strive to keep our know-how of the entire value chain within the company and to secure progress in line with the latest technologies. Our high level of vertical integration secures the maximum flexibility of our activities – for your total benefit.

We support you within your industrial context with products and system solutions anywhere in the world. We develop and produce connectors and contact systems, electromechanical parts and mechatronics componentry of the highest quality for your technical application. By concentrating on Automotive, Building Technology, Home Appliance and Mobile Radio Networks as our core business segments, we gained highly specialized applied knowledge – for your product.



# Sustainability [Innovation meets Tradition]

| at Lumberg

Time and again, values make up the foundation on which the specific resources of family businesses depend: their long-term strategic orientation, strong ties with the region, their responsibility for their employees' well-being, their social commitment as well as passing their heritage to the next generation – all of this is anchored in specific values. These values, however, mirror a pool of resources which often define the frequently stated advantages that family-run enterprises enjoy in comparison with other companies.

Lumberg is an extremely agile family business in the third generation and we are proud of our roots and tradition, of a mindset that allows us to think, lead and work within present-day – but not trendy – professional structures, and to communicate with you.

Our success is based on sustainable performance, technical solution competence and our passion for connections.



**Innovation meets Tradition  
[Sustainability]**

| at Lumberg

A nighttime aerial view of Dubai, United Arab Emirates, featuring the Burj Khalifa as the central focus. The city is illuminated with various lights, and a complex highway interchange is visible in the foreground. The text 'Global [No Limits] | for Lumberg' is overlaid on the image.

Global  
[No Limits]  
| for Lumberg

# No Limits [Global]

|for Lumberg



We shape the future of electrical engineering – a field in which we have been playing a leading role for over 85 years. As a reliable partner, we contribute significantly toward your success with innovative developments, customer-oriented solutions and quality products.

As a technology company with a clear focus, Lumberg offers innovative product solutions worldwide. From the first TV set to the Apollo landing on the moon, to the electric car – big challenges motivate people to achieve great things. Every single one of these events included the electromechanical designs of our team: in 1934, in 1969, and since 2011.

Today, around 511 models of around 72 car makers that feature our connectors or sub-assemblies are maneuvered around the world. Aida's entire fleet of cruise ships sets sail with our connectors on board. And not a single floor of the Burj Khalifa keeps it cool without us. Even Neuschwanstein Castle or the Sistine Chapel in the Vatican need our products to heat up the home.

We are a globally-operating company with proprietary branches based everywhere from Mexico to Shanghai. Our global sales team is dedicated to making sure that you will always have the right specialist by your side, wherever you are.



# Pioneers [Creators with Ideas]

| at Lumberg

Those who move all things large – in the smallest and most filigree of dimensions – are one of us. Employees from 19 different nations work around the globe for a precious good: our customers – meaning you. They all have one thing in common: they are Lumbergers.

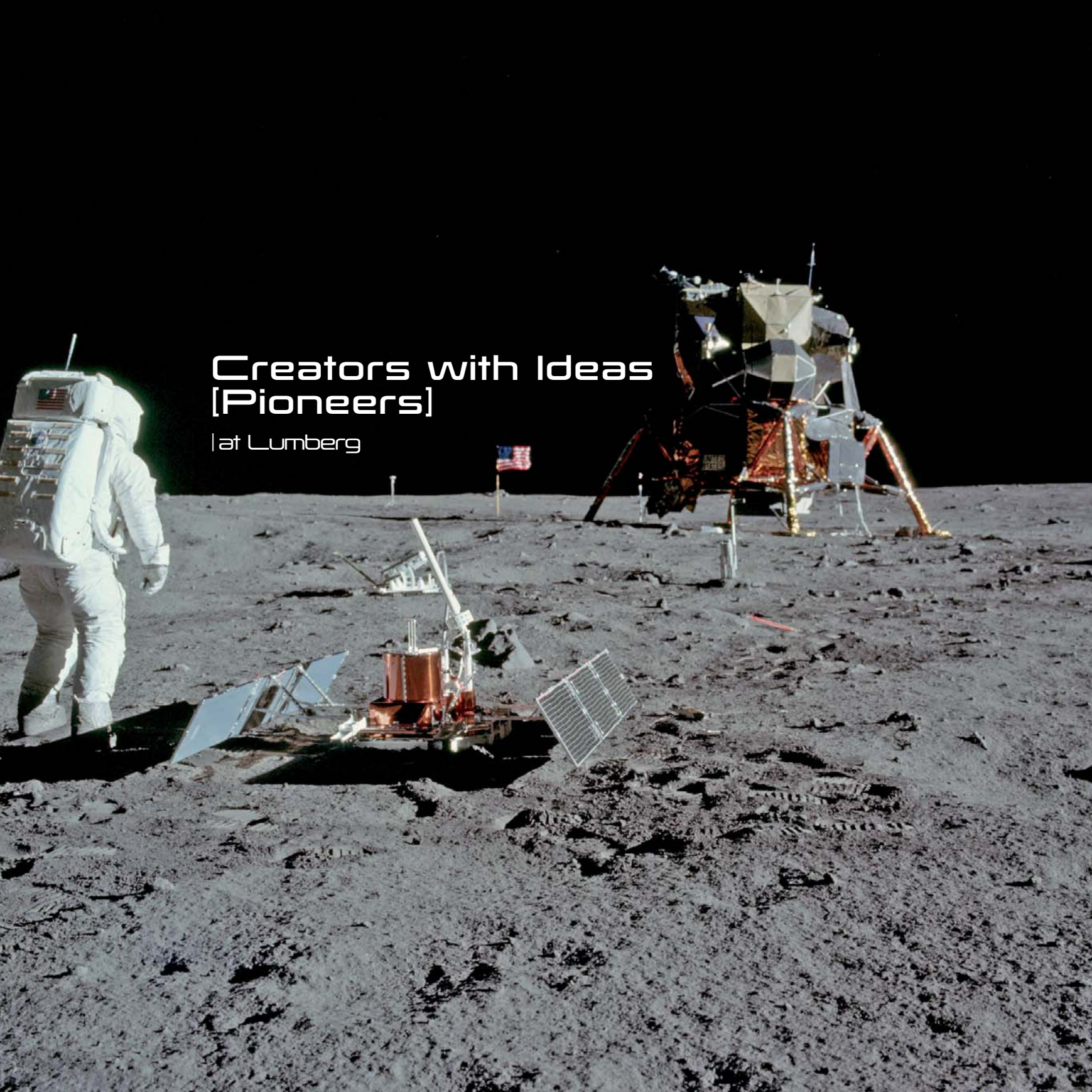
There are over 1,300 Lumbergers who are bold, creative and enthusiastic about electrotechnical, electrical engineering, automation and digitization solutions. It is this passion which made us establish the M12 circular connector as a global standard in the early 80s. Many contributed pointedly toward the development of the RAST connector some 30 years ago, to support the industry with its mission to eliminate defects during the production process caused by mismatched connections, to simplify the final assembly of devices, thereby paving the way for conformity. This became, and has remained, a standard to this day.

And with our all-new very smart SKEDD, the first direct, reversible connection in insulation displacement technology for connection anywhere on the printed circuit board, we combine evolution with revolution. This is the standard of tomorrow ...

Our company has grown and become successful in this spirit. We continue to pursue this path rigorously.

# Creators with Ideas [Pioneers]

| at Lumberg



A photograph of a rack-mounted electronic device. The device consists of four modules, each with a complex internal circuit board and various connectors. A central bundle of blue cables runs vertically through the rack. The modules are connected to the central bundle via white plastic connectors. The rack is made of metal with a perforated front panel. The text "R&D [Value Creating Innovation] | at Lumberg" is overlaid on the left side of the image.

R&D  
[Value Creating  
Innovation]

| at Lumberg

# Value Creating Innovation [R&D]

| at Lumberg



The right idea, a neat construction, fully-equipped laboratories and precise system measurements are the primary steps in our developing projects.

With state-of-the-art methods and technologies, we mobilize our established development expertise and our passion for feasibility for your product. It is not only about the creation of unique quality products. It is also about finding an answer where others fail to find a solution. In collaboration with your R&D department, we find solutions whose benefits outweigh the sum total of the individual parts.

With our engineering-based-on-partnership maxim we manifest detailed and integrated made-to-measure solutions for you. How? By applying our vast industry know-how acquired from our core business segments, Automotive, Home Appliance, Building Technology and Mobile Radio Networks, and pairing it with our electrical and electromechanical engineering profession.

From a first talk about technology to development, design and the construction of pre-production prototypes, we are a strong and reliable development partner. And we use creative thinking to turn even individual design and product requests into prime “Made by Lumberg” development quality at our R&D center.

A recent customer project shows how Lumbergers think beyond the given: a standard connector was sought – and an excellent customized solution was found that reduces costs considerably for the customer’s production process.



# Key Technologies [Internal Range of Manufacture]

| at Lumberg

A quality promise that we afford ourselves for your products: The design and manufacture of our tools at our in-house tool manufacturing as well as the concept and construction of entire assembly lines, including the software development, that meet our demands – and yours.

Our range of manufacture gives us more speed, greater flexibility and added individuality. Good for you to know – in case things are “really urgent”.

Our production sites are highly specialized. In Schalksmühle, we focus completely on punching and bending techniques for metal; the Cloppenburg-based factory is dedicated to injection molding and assembly while Świebodzin in Poland is meanwhile more than just the brilliant mind backing the labor-intensive production.

It goes without saying that your product’s cable assembly is also at the top of our list. From manual tongs to our top product, our fully-automatic VARICON machines: We give your harness makers every option from a single source, to terminate cables efficiently with our connectors – be it for small, medium or large-scale production.

A close-up photograph of industrial machinery. Two rows of white RAST 2.5 PLUS connectors are visible, with numerous black cables plugged into them. The connectors are mounted on a dark metal frame. Below the connectors, there are two circular ports and a small square logo. The number '15' is printed on the metal surface. The background is blurred, showing an industrial setting with orange and green elements.

RAST 2,5 PLUS

RAST 2,5 PLUS

15



Internal Range of Manufacture  
[Key Technologies]

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Focus  
[Potent Knowledge]  
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# Potent Knowledge [Focus]



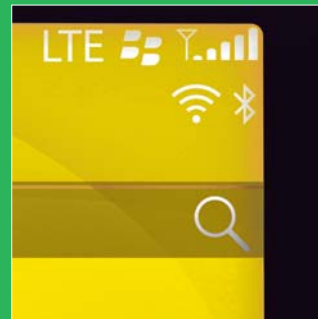
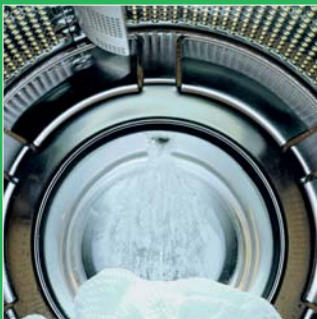
| at Lumberg

We are a specialist who masters insulation displacement technology, RAST connectors, press-fit and SKEDD, overmolding, customized solutions, mechatronic sub-assemblies, micro-contact systems and collaborative development services with total confidence.

This in itself demonstrates diversity, depth and range that is expressed with over 20,000 different, on-call articles.

And instead of offering a vendor's tray selection, we carry deep knowledge about product requirements and standards acquired from decades committed to our Automotive, Home Appliances, Building Technology and Mobile Radio Networks business segments. We do not spread ourselves by meddling in all fields. Instead, we apply our strengths wherever we can make your product stronger.

We have more speed, greater flexibility and added individuality – advantages that we enjoy sharing with you as an agile family business with a worldwide presence. Specialized teams, a high level of vertical integration, proprietary mechanical engineering and production quality "Made in Germany" plus expertise paired with creativity form our capital that we invest for your profit.





# Success [Collaborative Solution] | with Lumberg

What started as a request for a lead frame with high current contacts evolved into a more deeply complex project, allowing us to apply many of our technological competences to meet the customer's demands.

In doing so, we incorporate sophisticated production technologies into fully automatic assembly lines. Here, 27 individual components are processed in 46 process stages.

This example of a complex sub-assembly shows the production of an electronic module for engine cooler ventilator drives of high-performance passenger cars. In this unit, we manufacture different versions of this module for different car models even for several OEMs on our production line built in-house for our customer.

## Fully Automatic Integrated Processes:

Overmolding

Assembling

Inductive Soldering

Reflow Soldering

Iron Soldering

Laser Welding

Dispensing

Coating

Data Matrix Labelling

Functionality and Leakage Testing

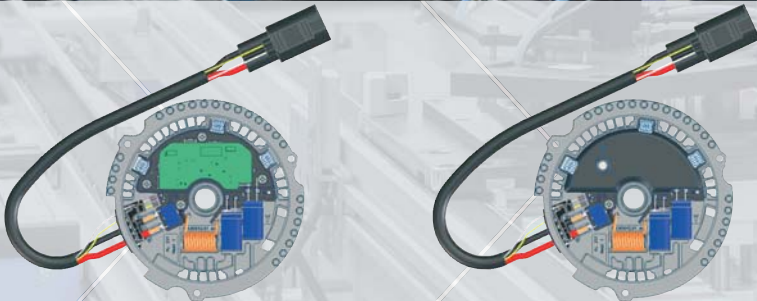
Flashing of Software

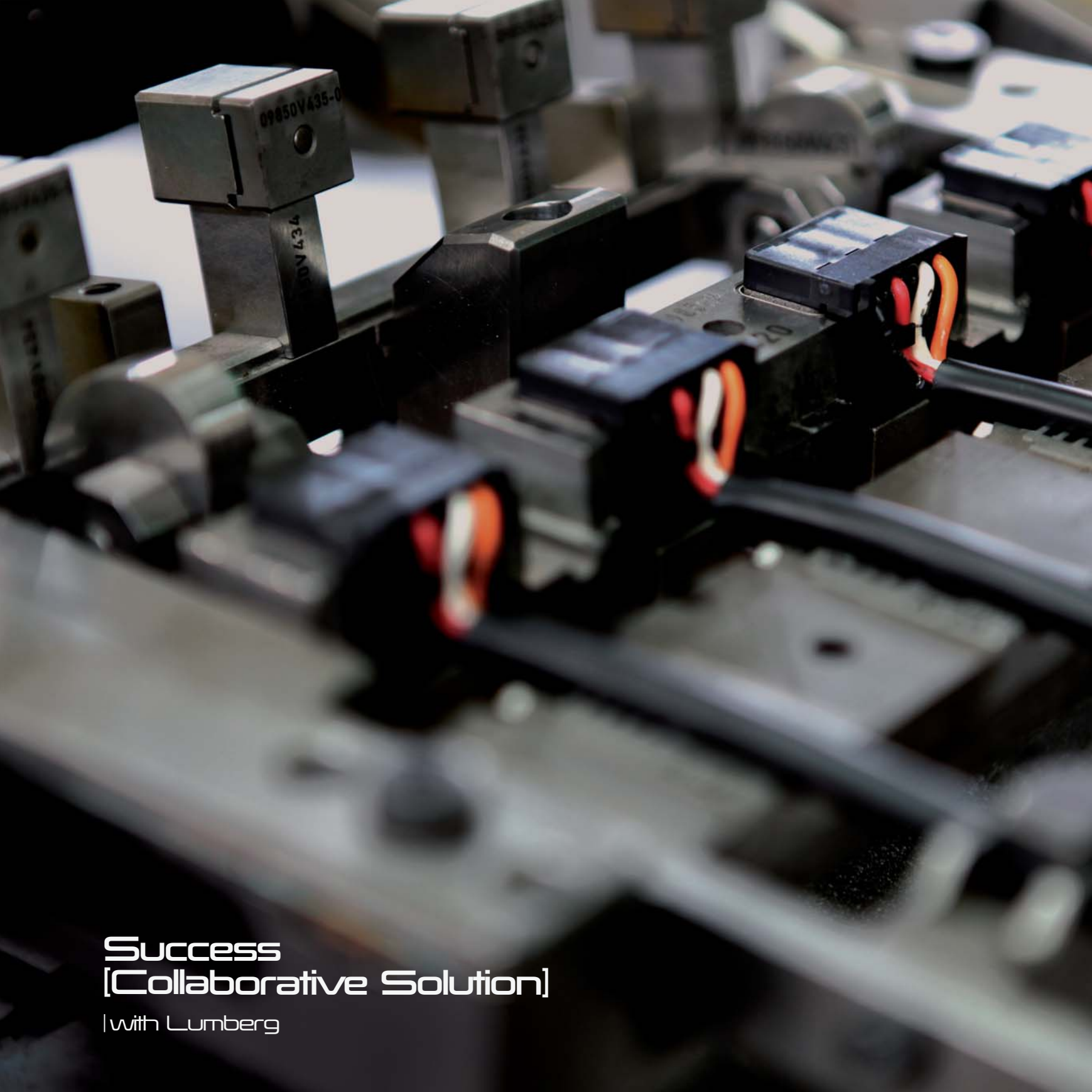




# Collaborative Solution [Success]

|with Lumberg





Success  
[Collaborative Solution]  
| with Lumberg

# Collaborative Solution [Success]

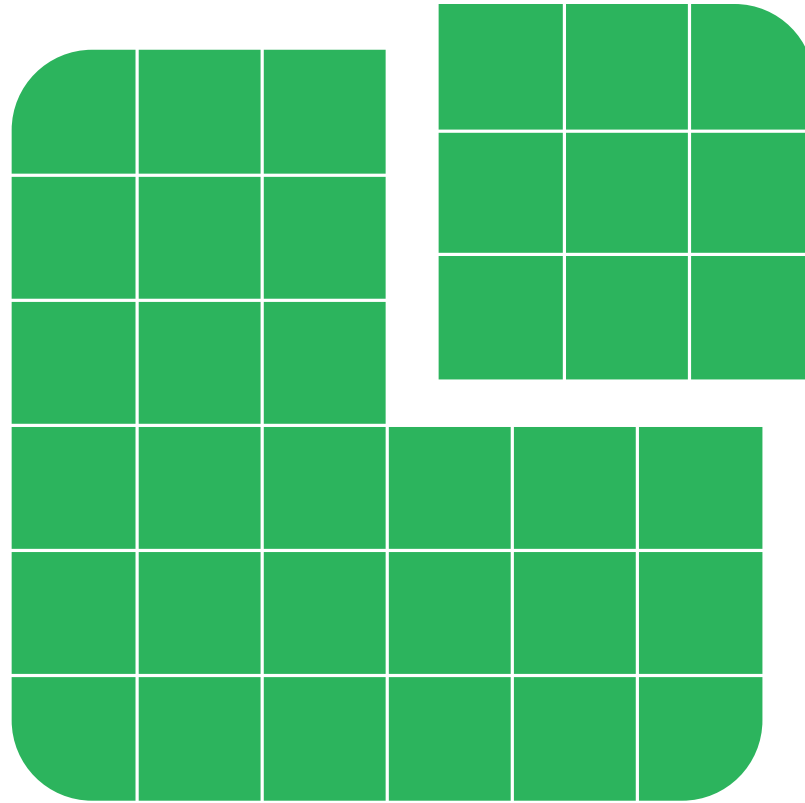
|with Lumberg



## Reference: Contact pressure connector system with IDT for dramper drives

A large catalog range is our mission. Customized system solutions developed jointly with you are the highlights:

The starting point for teaming up with this customer is their request for a compatible connector from our catalogue. Many talks produce a complex new idea: an individual, modular contact pressure connector in IP54 with assembled and overmolded cables. In addition to the originally sought connector it offers the added plus of optimizing assembly and test processes paired with distinctive installation benefits. The end result is a lead that proves worthwhile.



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