

REACHING BEYOND BORDERS FOR 40 YEARS

beyond borders

40
YEARS

—— For 40 years at LASER COMPONENTS, we have been pushing the boundaries. »beyond borders« not only refers to our quality standards and our extensive portfolio of services but is also the essence of our entire company. With our components, we help overcome complex technical challenges. Often enough, we find the best solution just one step from that which is actually possible – and then make it possible. At the same time, »beyond borders« is an invitation to walk this path together with us and make the impossible possible. I cannot wait to see you again in person!

PATRICK PAUL
General Manager at LASER COMPONENTS



1982-2022: FROM GRÖBENZELL TO THE WHOLE WORLD

—— Today, our components are available all over the world. This is the result of 40 years of innovative strength and entrepreneurial vision because even we started out small once.



1982

From Gröbenzell, Günther Paul supplied the German-speaking market with components from the U.S.

HOW IT ALL BEGAN

In 1982, the laser industry was still young, and there were hardly any high-quality components on the German-speaking market. Günther Paul wanted to change that. He founded LASER COMPONENTS to supply his customers with laser optics, IR detectors, and fiber optics from the U.S. At that time, the industry was strongly characterized by an interpersonal relationship of trust. To this day, people remain at the center of our corporate culture – whether employees, customers, or suppliers.



2022

Products from our production facilities in Germany and North America reach customers all over the world. This is ensured by a dense network of sales locations and distributors.

WE BUILD THE COMPONENTS FOR YOUR SUCCESS

Nowhere else can you get such a wide selection of individually manufactured optical components as at LASER COMPONENTS. Our manufacturing locations make it possible. Three people from three countries tell their stories:



CHRISTIAN GRUNERT
Laser Optics Production Manager
 LASER COMPONENTS Germany

»Our in-house production started in May 1986. My colleague, who has been working in production for over 30 years, still grins today: the machines were not yet enclosed, and the facilities were far from those of a cleanroom. It does not even compare to today: now we have modern equipment, our own development department, and a large production team. Every day, new items with individual designs come into the database for production. This much can be revealed: it will continue to expand. The laser industry is developing rapidly, and with each new system come new manufacturing possibilities with which we will continue to shape this trend.«



Günther Paul laid the foundation for in-house production at LASER COMPONENTS in 1986 with the first coating system.

> 99.99 %

reflectivity can be achieved with the precise coatings produced in the IBS process.



Modern systems offer almost unlimited flexibility for custom coatings.

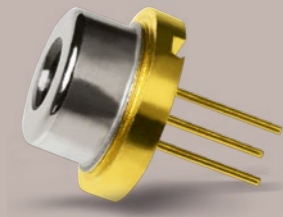


JEAN-FRANCOIS BOUCHER
Technical Director
 LASER COMPONENTS Canada

»I have been with LASER COMPONENTS Canada since 2004 – from the get-go, so to speak. At that time, the dot-com bubble had just burst, and experienced pulsed laser diode technologists were looking for jobs in Montreal. In just three months, we transformed an empty building into a production facility with a cleanroom. We used the Greek restaurant around the corner as our office. We didn't let up, and today our products are among the most successful in the entire group. In the future, many of them will be manufactured as 'trenched devices' to further increase their performance. This is just the first step; in fact, our developers are already working on the technology platforms for the LiDAR of tomorrow.«



2004: Ad for the first PLDs produced in-house.



Pulsed laser diodes from LASER COMPONENTS Canada meet even the most demanding requirements of the automotive industry.

»IT IS TREMENDOUS WHAT HAS HAPPENED HERE JUST IN THE LAST FEW YEARS.«

RAJ CHAKRABORTY



The old facility was getting too cramped. To meet your demand for detectors in the future, the Detector Group's new facility was designed with future growth in mind.



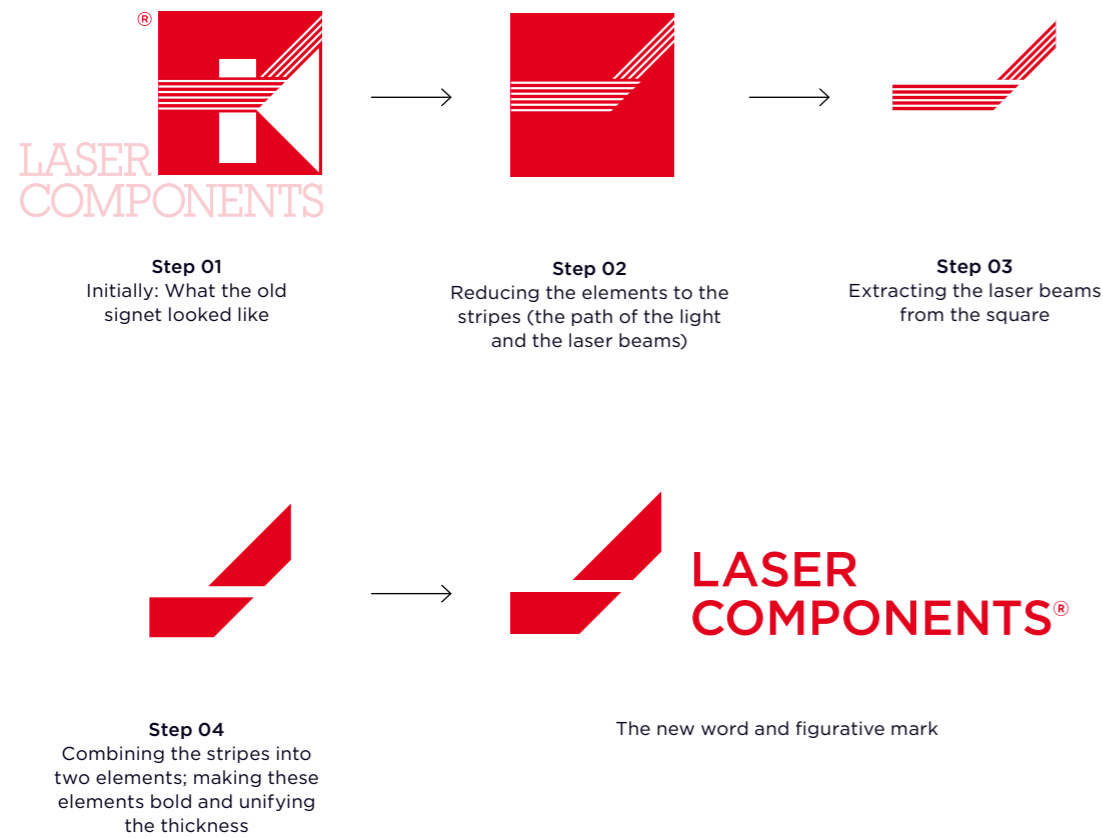
RAJ CHAKRABORTY
Managing Director
 LASER COMPONENTS Detector Group

»In 2003, the Detector Group was the second production facility that Günther Paul had founded in North America within a year. He went all-in at that time and hired my predecessor Dragan Grubisic, a specialist in InGaAs technologies, to manufacture silicon APDs. This trust paid off. It is tremendous what has happened here just in the last few years. In the beginning, we were specialized in avalanche photodiodes; today, we also manufacture different types of infrared detectors (e.g., lead salt detectors for breath gas analysis and InGaAs PIN and pyroelectric detectors for exhaust gas measurements and flame detection.«



LASER COMPONENTS: A STRONG BRAND

— After 40 years, we have sharpened our brand identity and clearly visualized our mission: To provide our customers with the solutions that give them the greatest freedom to answer their complex challenges.

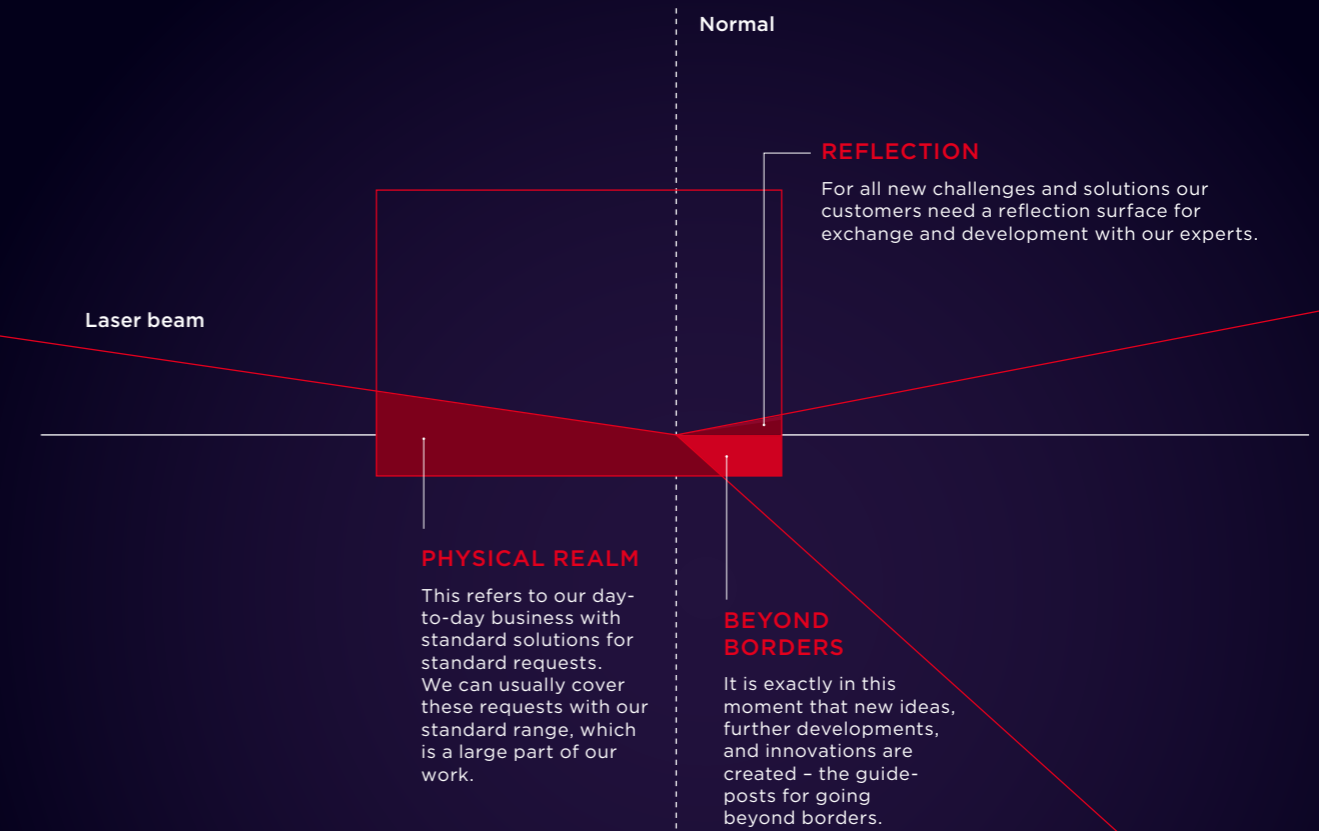


TRADITION MEETS MODERNITY

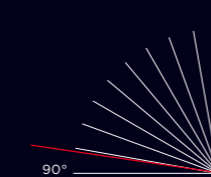
Over a period of one year, we examined the LASER COMPONENTS brand from all angles. The new figurative mark is reminiscent of the first logo of our founder, Günther Paul. Step by step, we extracted the elementary part – the original laser beams – and integrated it into a modern environment after more than 40 years.

THE FACETS OF LIGHT - AS VARIED AS OUR WORK

No two requests are the same. To better understand this claim, we borrowed from the laws of physics: more precisely, we turned to Snell's law of refraction. This law describes the change in the direction of propagation of a plane wave when it passes into another medium – and illustrates in an ingenious way what our daily work is all about: the day-to-day business with standard products, the close cooperation with our customers, and – our specialty – custom product development. The same principle applies to design as it does to the multi-faceted cooperation we enjoy with our customers, that is: no two facets of light are alike.



Example: Angle of incidence of 82°



The facets of light are used variably.



»WE HAVE ALWAYS THOUGHT
BEYOND BORDERS – TODAY
EVEN INTO SPACE
AND BACK.«

PATRICK PAUL
General Manager