



worldclass
in microoptics

coating design

from raw glass
to coated prism

swiss quality



Company profile

We are specialized in the manufacturing and distribution of uncoated and coated plano optical components and cementing systems in sizes from 0.2 mm to 80 mm.

Our range of services extends from prototype production to small series from 50 units up to series production of over 30,000 units - tailored to your requirements.

Facts and figures

Founding year	1968
Employees	75 / 4 Apprentices
Affiliation	Henke, Sass-Wolf GmbH
Q-certificates	ISO 9001

Markets

- Medical technology
- Industry & metrology
- Laser optics
- Telecommunications

The Zünd Group unites Zünd AG and Optivac AG. Two independent companies that have been working together under one roof since 2018 - combining their many years of experience and extensive expertise. Our customers benefit from this strong connection through innovative solutions, top quality and customized products in plano-optical production.

Zünd is a leading provider of customized, plano optical components and cementing. From large-scale production through to the fabrication of prototypes, we are able to cover the entire range of services with our machinery.

Optivac specializes on the coating of optical components. The optical coatings are individually developed and manufactured as our highly experienced and skilled team closely collaborates with customers to develop innovative solutions meeting their specific and unique requirements.





Specifications

Dimensions	0.2 - 80 mm
Angular accuracy	2" Roof prisms, Remaining angles < 10"
Parallelism	1"
Surface shape adjustment	3/0.1 (0.1) @632.8 nm ($\lambda/20$)
Surface quality	P4-polish / < 6 Angström
Surface imperfection	5/3 x 0.016

Range of services

Plano optical components

- All types of prisms, e.g. microprisms, roof prisms, dove prisms, pentaprisms, etc.
- Windows, round discs, plane mirrors and wedges
- Polygons

Plano optical assemblies cementing

- Assemblies cementing
- Deflection systems
- Beam splitters
- Customized shapes

Coatings

- Metal mirrors: silver, aluminum, gold, dielectric mirrors
- Surface and back surface mirrors protected
- Anti-reflective coating (AR) UV-MWIR
- Beam splitter
- Black chrome
- Graduated filter
- Coating design development on customer request

Materials

Zünd processes almost all optical glasses as well as quartz and glass ceramics, from raw glass to finished prism. We offer assemblies consisting of glass and sapphire together with partners.

Environment

The environmental compatibility, durability and efficiency of our products are just as important to us as the careful and appropriate use of resources and energy.



CONTACT US.

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