Optiprint

Innovative PCB Solutions

The PCB Challenge

Moving Forward Together

For our customers we produce high quality specialist printed circuit boards in Switzerland.

→ optiprint.ch

English

Your needs
are our challenge

Optiprint offers guidance, planning and production of printed circuit boards at the production location in Eastern Switzerland. We ensure you Swiss quality and precision for our worldwide deployed printed circuit boards.

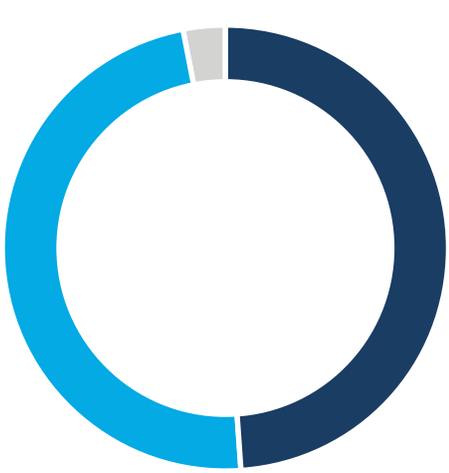
Since 1985 Optiprint has been active in the electronics industry. Our clients profit from our well founded and versatile experience. We know that creative ideas ensure the essential technological advantage.

Cooperative collaboration

As a self-financed Swiss company, which has been active for over thirty years and retains 130 outstandingly educated employees, we know the objectives of our Clients. Every assignment, either prototype or mass production, will be planned thoroughly and coordinated with the client. This conserves money and time.

Optiprint has

- high technological aptitude
- modern high-tech machinery
- inspired advisory team and service team
- tight cost management
- miniaturisation of printed circuit boards
- prototypes and mass production
- self-financing
- reliability
- trade-specific certification

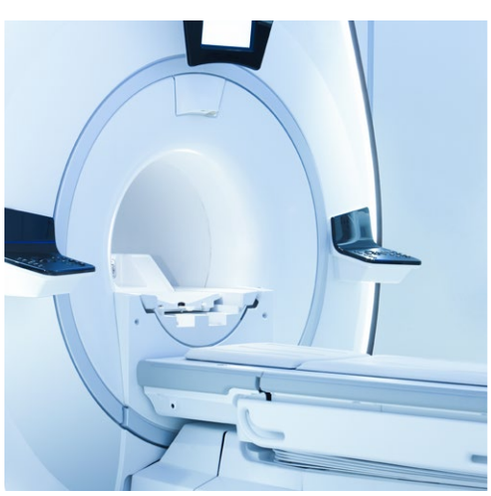


Product-mix

49% flexible and flex-rigid printed circuit boards
48% high frequency printed circuit boards
3% special construction printed circuit boards

Industry know-how
for unique solutions for every client

Whether medical technology, telecommunications, sensor technology, aerospace, security/safety technologies – Optiprint offers competent counselling, planning and manufacturing of printed circuit boards in diverse technologies.



With an export percentage of over 80% Optiprint supplies the following markets:

Medical technology

Our products are used in prosthetics, hearing aids, implants and in electrical medical equipment. In the process our clients will profit from expert guidance and reliable performance of our printed circuit boards. In addition they are fully traceable and individually marked.

Safety technology

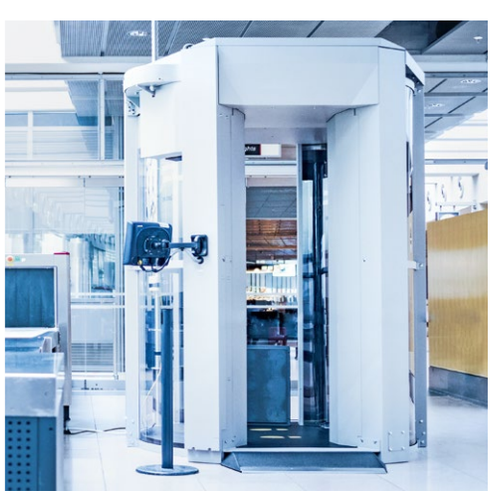
Safety technology is becoming increasingly more important in our day to day life, both in travel and securing buildings. Our printed circuit boards are used in the body scanners at the security check in airports where they serve reliably.

Telecommunication

Antennas and communication devices of the newest generation are equipped with our printed circuit boards. They are state-of-the-art and contribute to a smooth mobile radio communication.

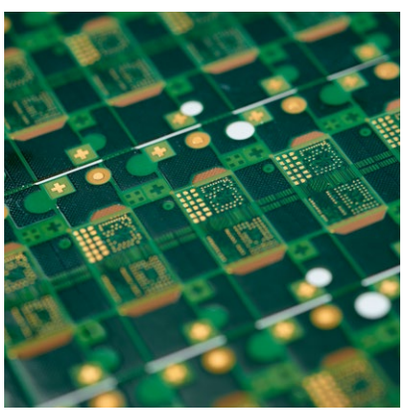
Aerospace

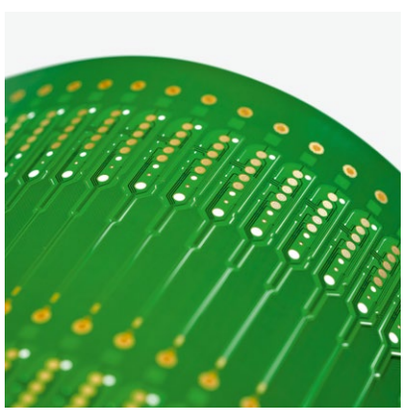
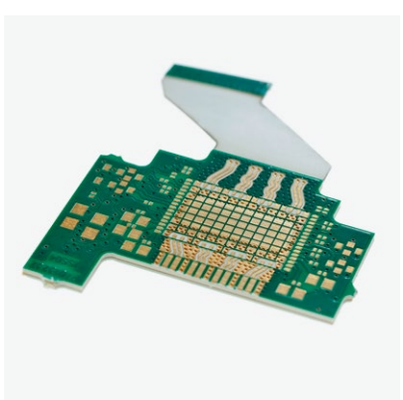
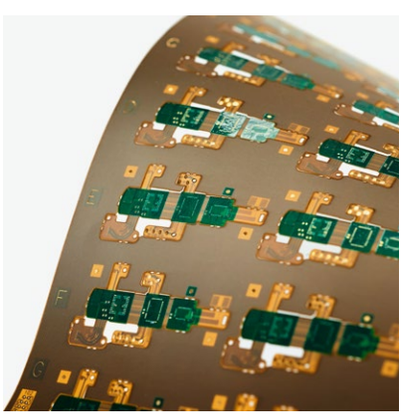
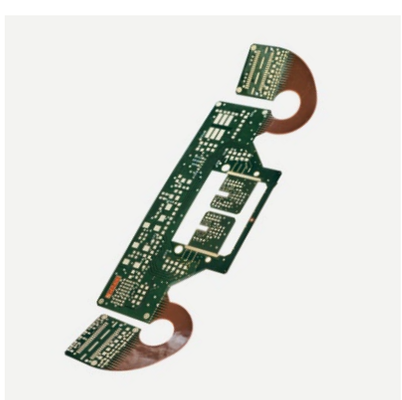
In Aerospace our printed circuit boards are used in various satellite and sensor systems. Our clients rely on our considerable technological experience and our innovative problem solving approach. As a consequence the printed circuit boards achieve a high standard of dependability.



Flexible and flex-rigid printed circuit boards

For the optimal solution to suit your needs Optiprint offers a complete supply of flexible and flex-rigid printed circuit boards with differing build ups.



Advantages of flex-rigid printed circuit boards

- maximum utilisation
- minimal space usage
- miniaturisation
- reduction of the overall cost due to simplified assembly
- high reliability by the use of less connecting elements
- optimal material exploitation
- complex contour shape

Field of application

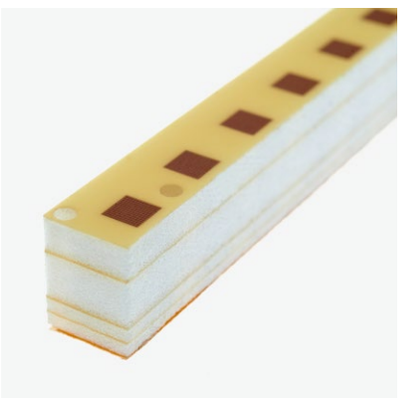
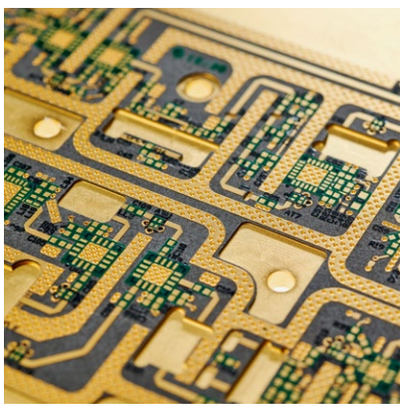
- reliable connection options
- for dynamic and static requirements
- for compact mounting conditions

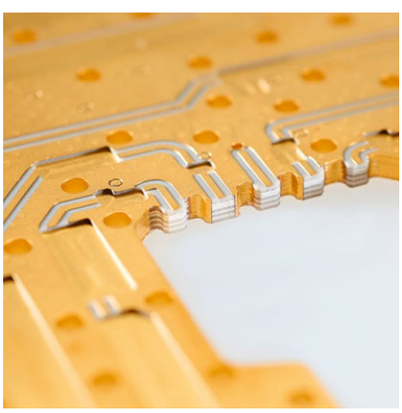
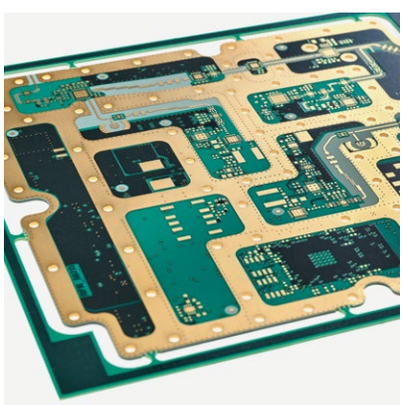
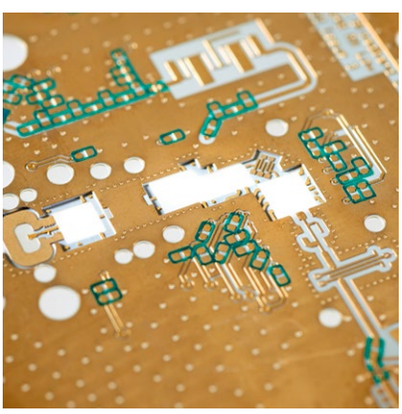
Miniaturisation

By using flexible materials, very thin multilayers can be produced. Beyond that it allows the possibility of using a laser for the cutting- and drilling processes. This in turn guarantees the optimum in precision. Innovative process solutions characterised by through connections (via): via-filling, stacked vias and via in pad technology are the key for miniaturisation.

High frequency printed circuit boards

Our experienced engineers guide you through the whole process, from the first consultation, to the production of a prototype, until series production of high frequency printed circuit boards in countless variations.

We guarantee our clients

- technical advantage thanks to our experienced engineers.
- products which are assembled on the latest equipment with tight manufacturing tolerances.
- cost optimised panel design.
- large material selection in stock.
- reliable delivery as well as short-term deadlines.

High frequency printed circuit boards

We process all high frequency products from foam to ceramic or PTFE-materials. At the same time you can choose from one-sided, two-sided and through connection printed circuit boards up to hybrid-multilayer with different material configurations achieved.

Hybrid multilayer

Special applications require innovative solutions. We are able to combine an array of materials with high frequency materials in the multilayer composite.

Variants

- metal core printed circuit board
- integrated heat sink
- Chip on Board (CoB) technology
- integrated components

Joint
solution finding

Tell us, what you need, desire, and what you expect of us. In a discussion we can demonstrate our abilities and present our solutions. We are looking forward to establishing contacts with you.

Leading technology

Come to us with your ideas and initiate the designing and manufacturing of your products. We value a challenging cooperation and will develop with you state of the art technology. Our products are used worldwide by leading corporations in medical technology, telecommunications, sensor technology, aerospace, and security/safety technologies.

Product range

- → high frequency printed circuit boards
- → metal core printed circuit board
- → flexible and flex-rigid printed circuit boards
- → ultra-fine conductor < 25 µm
- → printed circuit boards (flexible or flex-rigid) with resistance film
- → embedded technology

Optiprint

Innovative PCB Solutions

concept by www.stier.ch

Your specialist for first-class PCB-Solutions

Our reliable experts develop optimal production-related ideas and stream line the in house process cycle. Our manufacturing and planning are tailored to the needs of our clients. Therefore a tight cooperation is very important for us. You will prosper through innovations that yield you advantages on the market.

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