



„An innovative mounting system for heat sinks?
That's when I called
Elektrosil.“

Modular clamp system for fixing components: Elektrosil developed a new fastening system that helped the customer to work more flexibly while saving assembly time and costs.



THE CHALLENGE

For cooling several output stage transistors of an endoscope generator, the customer needed a new fastening technology. This technology would allow flexible attachment of the components that require cooling to the heat sink while saving assembly time and costs.

THE SOLUTION

Typically, components are rigidly fixed to the heat sink using screws, ensuring optimal cooling and maximum retention. However, this method is time-consuming to install and requires a perfect fit between the heat sink and the component, limiting flexibility in positioning and variation.

The customer requested a solution that would allow more flexible attachment of components to the heat sink.

After evaluating various alternatives, Elektrosil developed a solution where components, that require cooling, could be securely but flexibly fixed using rails and clamps. The robust material of the clamps allowed

the components to be installed quickly and easily without screws, significantly reducing assembly time. This solution also provided flexibility in the height of the components to be cooled.

The result: a modular fastening system that enables quick and easy installation, flexibility, time and cost savings.

OUR STRENGTHS

- Comprehensive design expertise
- Matching the fan to the heat sink
- Fans and heat sinks from a single source lead to optimum synergies
- Extensive expertise in the product area of cooling solutions

Are you also looking for a custom-fit solution for your system and a competent partner? Then give us a call: +49 40 840001-0.

Project information

- Client: a renowned German medical company
- Sector: medical technology
- Project size: 5K per year
- Product areas: Cooling solutions
- Services: Consultancy, design & simulation, development

Elektrosil's services

- Application consultation, development assistance, design-in support
- Quality assurance
- Engineering and production
- Completely customised applications