



SUCCESS STORY

Revolutionizing aesthetic medicine: Legolaser's cutting-edge devices em- powered by Stäubli's CombiTac uniq

Beauty treatments have experienced a real boom in recent years. As a result, the aesthetic medical device industry is encompassing an ever-expanding range of products and technologies designed to improve personal appearance and solve cosmetic problems.

Spanish company Legolaser Group specializes in the design and manufacture of these medical devices for aesthetic purposes. They rely on high-quality components for their products, such as the CombiTac uniq from Stäubli.

Innovative Legolaser devices transforming beauty and health industries

Legolaser was founded in 2014 and serves the health and beauty sectors. The search for the most practical technologies, together with medical and technical support services,

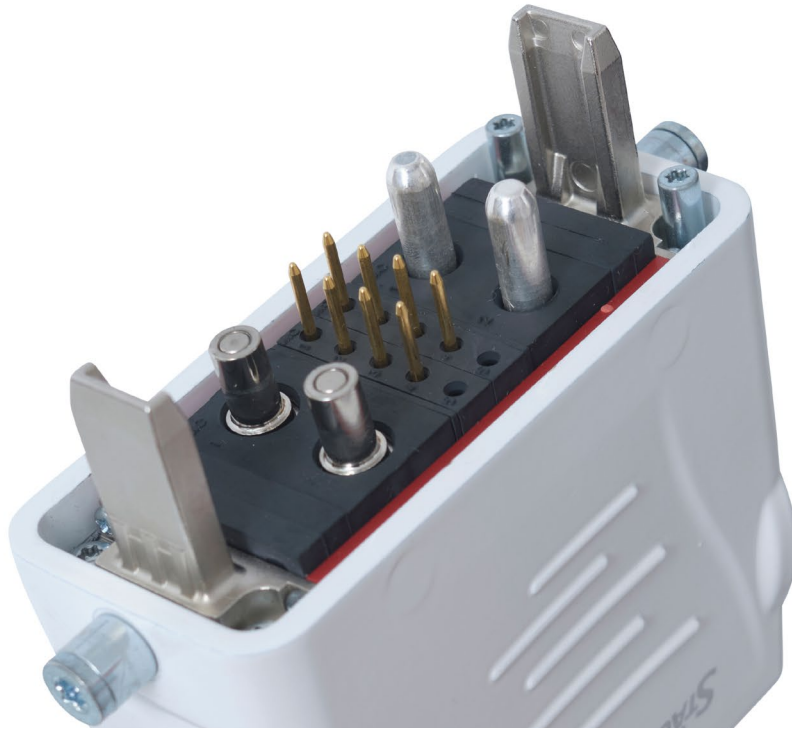
enables Legolaser to offer rapid solutions tailored to the specific needs of its customers. They produce various devices for anti-aging treatment, pigment and tattoo removal, and vascular treatment. One of their devices specially designed for body hair removal is called Eride. The diode laser device consists of a portable trolley unit and a handpiece. Three wavelengths are integrated into one handle to target different structures within the hair follicle. The intersection between these two parts is particularly challenging. Legolaser was looking for a high-end solution to complete their high-end product.

Industrial Connectors: Modular connector CombiTac uniq

Application: connector for healthcare applications

- Fluid, power and signal contacts integrated
- Extremely compact design with superior performance
- White aluminum housing

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Tackling leak-proof connections

The connections for the intersection between the trolley unit and the hand-piece had to be able to transmit power, signal and fluid. It was important to combine all these different connections into one connector. The housing requires seamless blending into the modern design of the device. Especially with liquids, a leakage-free connection is essential to prevent possible malfunctions and damage to the device.

CombiTac – the perfect connection for medical devices

With CombiTac uniq, Stäubli is able to provide the right solution for these high requirements. The white aluminum housing blends in perfectly with the design of the device. The lock creates a reliable and secure connection between the trolley unit and the hand-piece. This modular connector is characterized by the fact that power, signal and fluid are combined in one. The two leak-proof fluid contacts hinder liquid from entering the device when the connector is disconnected. This prevents possible

damage to the device and protects against failures. The 1.5mm contacts ensure reliable and stable signal transmission, while the two 6mm contacts provide sufficient power. The plug-in connection ensures quick and easy handling and replacement. MULTILAM technology provides a secure and reliable connection between the contacts. The 100'000 mating cycles ensure a long service life.

Customer Benefit

The customizable design of the CombiTac meets specific customer requirements. Incorporating advanced MULTILAM technology, it achieves a significant number of mating cycles. This promotes durability and ensures cost-effectiveness over its lifetime. The fluid contacts within the CombiTac are designed to be leak-proof, providing a reliable and secure connection, complemented by power and data. All design elements fit in the smallest of spaces and therefore shows a seamless and simple design. The superior contact integrity of the CombiTac allows Legolaser to raise the status of its machines in the marketplace.

Customer benefits

- Modular connector fully customized for their high requirements
- Leak-proof fluid couplings to prevent damage
- Up to 100'000 mating cycles
- Easy handling and replacement

About Stäubli

Stäubli is a global mechatronics solution provider with three core activities: Connectors, Robotics and Textile. The international Group has a presence in 28 countries.

Stäubli Electrical Connectors is a specialist for advanced contact technology and technically mature solutions with a product portfolio ranging from miniature connectors up to high-power connectors for various industries.

www.staubli.com/electrical