



Locations and production



Jakob[®]
Rope Systems



jakob.com

Trubschachen, Switzerland



Milestones

- 1904: Hans Jakob founds the Jakob rope factory in Trubschachen in the Emmental.
- 1953: Jakob starts independent production of wire ropes in Trubschachen.
- 2002: With the wire rope net Webnet, Jakob Rope Systems launches its most successful product to date.
- 2016: Takeover of the traditional company Habegger Maschinenfabrik AG in Thun.
- 2019: Move into new main building at the traditional headquarters in Trubschachen.
- 2022: Expansion for Habegger production and photovoltaic extension.



All roof surfaces in Trubschachen are fully equipped with modern photovoltaic systems. This gives us a total solar power output of 350 000 kWh per year.

Our annual electricity requirement in Trubschachen is around 450 000 kWh. Our photovoltaic systems thus cover 75 percent of our electricity consumption.



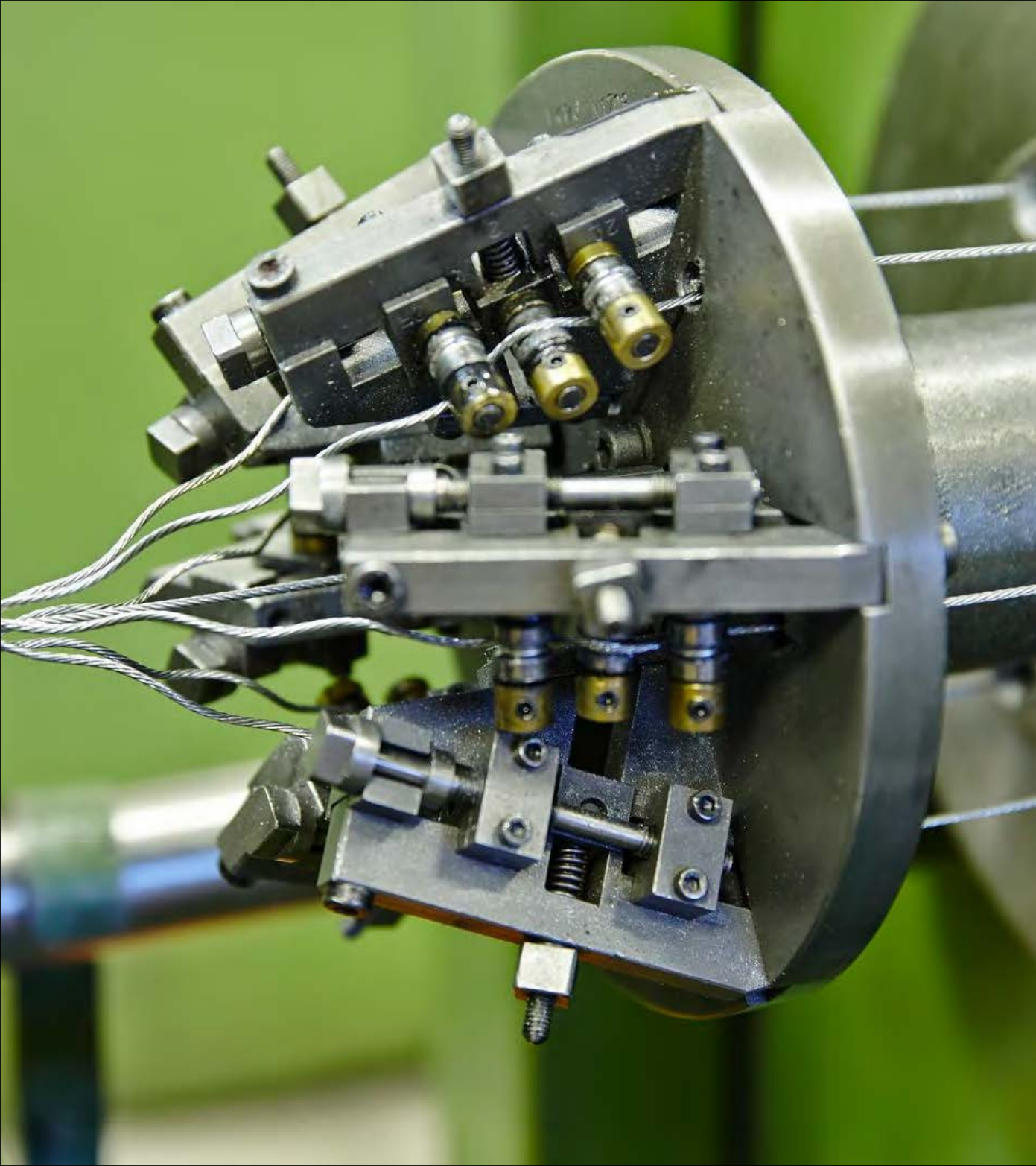
Planning / Consulting / Sales

- Solution finding and system development
- Feasibility studies
- Factory and implementation planning
- Assembly and maintenance planning
- Sales and distribution



Engineering / Statics

- Solution finding and system development
- Form finding for rope and net structures
- Determination of rope and net loads
- Dimensioning of customer-specific components for rope and net structures



Production of galvanized and stainless steel cables

- Experience of over 100 years fiber rope and over 70 years of steel wire rope production
- Specialized in customized rope constructions
- Strands up to 41 wires
- Rope diameter up to Ø 28 mm
- up to 6 t unit weight



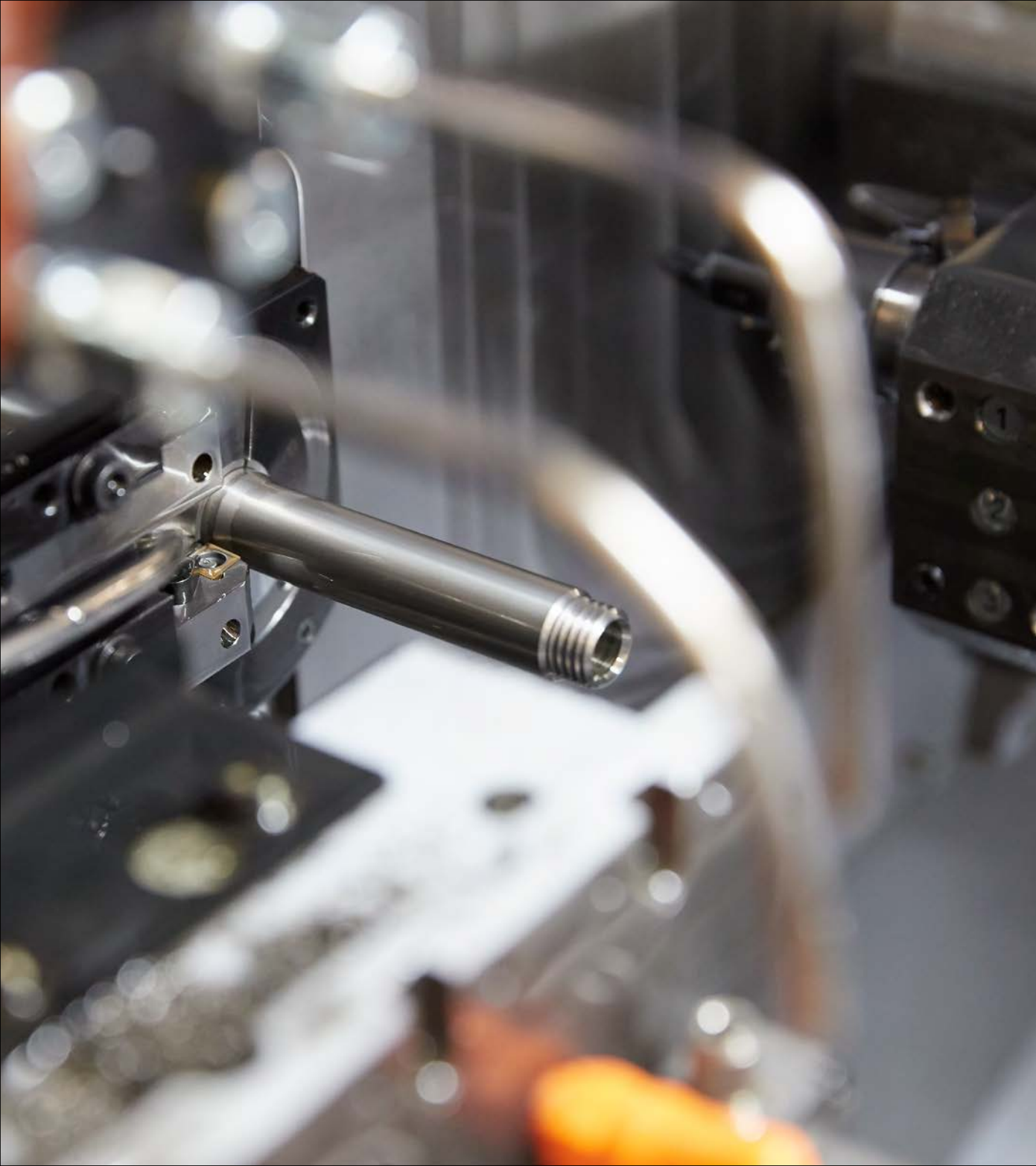


Production and confection of fiber ropes and textile nets

What began over a hundred years ago is still being continued today: Supplemented by the latest technologies, the traditional rope craft is preserved in Trubschachen.

- Fiber ropes and nets
- Natural fiber ropes
- High strength synthetic fiber ropes
- Classical ropemaking (splicing, rigging, knots and pressing)





Mechanical manufacturing

- CNC Milling
- CNC Turning
- Surface grinding
- Mechanical assembly
- Conventional mech. machining



Assembly of hoisting and lifting

Ropes and chains are manufactured or assembled according to specific requirements and customer specifications. This is where the traditional ropemaking craft comes into its own.

- Fabrication in the workshop and on site
- Certified splicing work
- Wire rope end sleeves, cold or hot sealing
- Standard connections and customer-specific solutions
- Manufacture of high-strength chains
- Textile slings and lashings
- Personal protective equipment, fall protection systems
- Rope pulleys





Assembly of architectural ropes

For architectural applications we offer custom-made assemblies and suitable connection accessories.

- Precise cutting to length and marking
- Processing of ropes Ø 1 to 38 mm
- Rolling and pressing of different end connections
- Pre-assemblies
- Cleaning
- Customer-specific building technology products



Habegger Rope Hoists

All Habegger products are manufactured at our Swiss site in Trubschachen. The modern production and infrastructure create valuable synergies, high quality and short delivery times.

Products

- Manual wire rope hoists
- Motorized wire rope hoists
- Consulting, service and spare parts



Check and maintenance

Wire ropes and other lifting gear such as suspensions, belts, round slings and chains should be checked regularly. This helps to detect weak points early on and to extend the service life of the products significantly.

- Internally or at the customer's site we offer consulting, training, inspections and tests.
- We also conduct customer-specific training (PSAgA courses, load securing, expert for slinging equipment). Online or on site.
- We carry out the inspection and testing work according to EN-standards.



Advice on running ropes

Running ropes determine the availability of a hoisting system, whether on construction sites, in production or on the mountain. Rope selection and the inspection concept are important factors in this context.

- Damage assessment, statement on the cause
- Rope design and rope selection
- Rope operation analysis and optimization
- Improvement of rope service life and availability of rope transport systems
- Avoidance of recurring damage through damage assessment
- Support with documentation
- Operating manual
- Maintenance requirements
- Technical justifications for regulatory submissions



Training company

The training of apprentices secures our future and is a tradition at Jakob Rope Systems. We offer young people a successful start into the professional world.

- Textile technologist specializing in rope and hoisting technology (formerly ropemaker)
- Commercial apprentice
- Polymechnic



Saigon, Vietnam



How did it happen?

During a bicycle tour on vacation in Vietnam, Peter Jakob came up with the idea for the location of the new factory: Surprised, he watched the enormous dexterity of Vietnamese workers packing sweets and knew: These skills are necessary for the production of complicated and custom-made wire rope nets.

“We did everything wrong compared with the textbook and that’s probably why it worked.” Peter Jakob



Milestones

2007: Foundation of Jakob Saigon

2019: Move to new building VSIP II

2019: Ca. 550 employees

2020: Ashui Awards – Green Building + Building of the Year

2021: Expansion of existing photovoltaics



In Vietnam, we cover 100 percent of our electricity requirements with solar energy. We have gradually expanded the photovoltaics installed in Saigon to roof and site areas. We thus produce around 1 million kWh of solar power per year.



Webnet production

In the Saigon factory, the high-quality woven net is handmade and made precisely to fit any geometry.



Frames production

Frames with Webnet are produced as closed structures in our in-house production. There are virtually no limits to the design.

Frames are delivered ready for assembly, which allows efficient on-site installation without special net knowledge.



Machining CNC production and joining technology

The stainless steel Jakob fittings are mainly manufactured in the company's own production facility in Vietnam. Here, both series parts and project-specific components are manufactured and then welded and also pre-configured into assemblies.

- Fittings for cable tension systems
- Consoles
- Terminals
- Brackets





Trubschachen und Saigon **combines a wide range of know-how.**

At Jakob Rope Systems, people from a wide variety of professions come together and contribute their knowledge for innovative solutions, both in Vietnam and in Switzerland.

- Development
- Design
- Procurement
- Advice
- Engineering
- Production
- Logistics
- Sales and Support
- Marketing
- IT
- Installation
- Maintenance

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