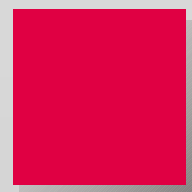
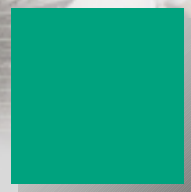
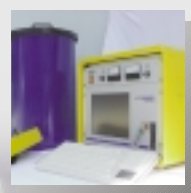


HAEFELY TEST AG

COMPANY PROFILE



COMPANY PROFILE

HAEFELY TEST AG

Haefely Test AG

Emil Haefely & Cie was founded on August 1, 1904, in Neuwelt, near Basel. In April of the same year, founder Emil Haefely (1866-1939) obtained the first patent on a "Device for the Manufacture of Tubular Insulators by Means of a Winding Mandrel". The company was established to make mica sheet conduits which were sold raw or machined to specifications. Tubes and cylinders of resin-impregnated paper, fabricated on the machines Haefely had invented, were later marketed under the name "Haefelyt". These products very quickly gained a reputation in technical circles, and orders came in from France, Germany, Austria, Hungary and other countries.

In summer 1905, Haefely visited Westinghouse Electric in Manchester, England. This company was interested in manufacturing resin-impregnated paper tubes for England but even more for the United States of America; the company's world headquarters were located in Pittsburgh. In August, Haefely travelled to America for a personal meeting with George Westinghouse. His journey was crowned with success, the samples he carried along caused a sensation and the test results amazed observers.

In 1907, when the facilities became too small, the company relocated to Basel. Haefely made a second important contribution to electrical insulation, considered significant today, in 1912. It became known as the "Haefely Process" for the slot insulation of rotating electrical machines. The esteem in which the engineering world held Haefely, a self-taught but innately talented electrical technician, reached its point in 1922. At the age of 56, he received an honorary doctorate in engineering from the Technical University of Darmstadt, Germany which commended "his outstanding achievements in the insulation of electrical machinery and his contributions to insulating technology."

The firm became a joint-stock company in 1914. Since 1916, Emil Haefely & Cie has its corporate headquarters on Basel's Lehenmattstrasse. Exporting was a major focus from the very beginning. In 1920, when France imposed 20% tax to protect its own industries, Haefely decided to create a branch in the French town of St. Louis. A manufacturing plant was erected there in 1922-23.

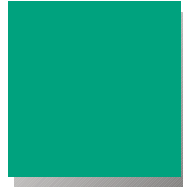
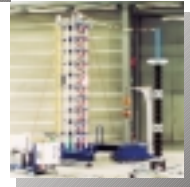
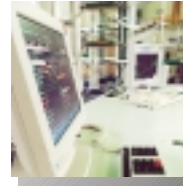
The production of high-voltage test equipment in Basel began in 1922, and within a few years, equipment for test voltages up to 1 Million Volt was being shipped to France and England. A crucial milestone for the company came in 1929 when it undertook the manufacture of high-voltage capacitors.

The biggest impulse voltage test equipment then built in Europe - for 3 Million Volt - was completed in 1933. The measurement of such high test voltages called for new instruments and the development of special measurement systems was started at the beginning of the Second World War.

After the founder's death in 1939, his son, James Haefely, took over the company's management. Over the years, Emil Haefely & Cie evolved to become a specialist in the fabrication of electrical apparatus, bushings and capacitors, in insulation technology and in high voltage test equipment. In the early 50's Haefely started to develop and produce electronic controls and measurement systems like oscilloscopes and voltage meters. Dr. James E. Haefely, wishing to retire from the business, sold the company to three long-time staff members in 1989. A number of successful years ensued; facilities were renovated and enlarged in order to meet rising demand.

The acquisition of Tettex Instruments AG in 1995 was another step towards expanding the product line and know-how and making them more attractive to the customers in the test systems market. Since its foundation in 1945 Tettex Instruments has developed into a specialist company for developing, designing and manufacturing of precision measuring instruments in the field of high voltage testing and in particular of diagnostic investigations on high voltage insulation, as well as for testing equipment for power transformers, power cables and for the determination of the accuracy of instrument transformers.

Also EMC at Haefely has a 25 year history which started with power relay test systems which use a hybrid of high voltage and EMC technology. From this point on, the EMC unit within Haefely has developed a complete range of test equipment to meet today's requirements.



In July 1999, the instrument transformers and utility network component business has been splitted from the test equipment activity. The legal structure of this company is Trench Switzerland AG (part of the Trench Group). Basel is still the main location.

Since July 1999 the High Voltage Test and instrumentation business continues its activity under the well known name of Haefely. Based in Basel, the business operates as Haefely Test AG and includes Haefely high voltage test equipment, Tettex Instruments and Haefely EMC Technology.

Haefely Test AG belongs to Hubbel Incorporated, an international manufacturer of quality electrical and electronic products for commercial, industrial, utility and telecommunication market. With \$ 1.4 billion in annual revenues, Hubbell Incorporated operates manufacturing facilities in North America, Puerto Rico, Mexico, Singapore and the United Kingdom. They also participate in joint ventures with partners in South America and Taiwan, and maintain sales offices in Malaysia, Hong Kong, South Korea and the Middle East. The corporate headquarters is located in Orange, Connecticut.

Today, Haefely Test AG is a well-known and a reliable single-source supplier of high voltage test systems which has an excellent reputation based on an extensive range of high voltage test products. Customers support is guaranteed by a vast worldwide network of well trained local representatives and an experienced crew of service engineers!

Haefely Test AG currently employs 170 people (2000) with a production plant in Basel and Dietikon.



Works Basel

- since 1916
- approx. 110 people
- approx. 25'000 m² working area
- production of HV test equipment
- assembly and test halls



www.haefely.com

Works Dietikon

- since 1989
- approx. 60 people
- approx. 3'000 m² working area
- production of measuring instruments
- Administration, Sales, R&D, Assembly, Test, Storage



www.tettex.com

HAEFELY TEST AG

Haefely Test AG
High Voltage Test Division
Lehenmattstrasse 353 P.O. Box
CH-4028 Basel
Switzerland

Phone: +41.61.373 41 11
Fax.: +41.61.373 49 12
e-mail: sales@haefely.com

Haefely Test AG
Business Unit Tettex
Bernstrasse 90, P.O. Box
CH-8953 Dietikon - Zurich
Switzerland

Phone: +41.1.744 74 74
Fax.: +41.1.744 74 84
e-mail: sales@tettex.com

Haefely Test AG
Business Unit EMC
Lehenmattstrasse 353 P.O. Box
CH-4028 Basel
Switzerland

Phone: +41.61. 373 41 11
Fax.: +41.61. 373 45 99
e-mail: EMCsales@haefely.com