FRANK-PTI

QUALITY TESTING INSTRUMENTS

SUBSIDIARY OF Elof Hansson

QUALITY TESTING INSTRUMENTS

PULP | PAPER | BOARD | TISSUE

www.frank-pti.com

THE COMPANY

Get it all from one source.





“Our philosophy is very simple: always providing the best solution!”

Michael Feldle, Managing Director

High accuracy of measurement, easy operation, a long service life! If you think that these are important characteristics for laboratory testing instruments, then we have a mutual understanding of quality. This gives us a good basis for a long-term partnership at the highest level.

YOUR PARTNER FOR ALL OCCASIONS!

FRANK-PTI is well-known and highly esteemed as a leading developer, producer and supplier of extremely user-friendly high-quality **laboratory testing instruments for the pulp and paper industry**. Our all-encompassing portfolio comprises the entire product range for standards-compliant measurements of pulp, paper, board, and tissue.

At our two locations in **Laakirchen, Austria** and **Birkenau, Germany** we pursue two important goals: the establishment of longstanding partnerships with perfectly satisfied customers and continuous improvement of our comprehensive product portfolio:

- **ModularLine** (automated testing units in modular design)
- **StandAlone** (individual testing instruments)
- **PulpTester** (testing instruments for pulp)
- **PreparationProducts** (instruments for test preparation)

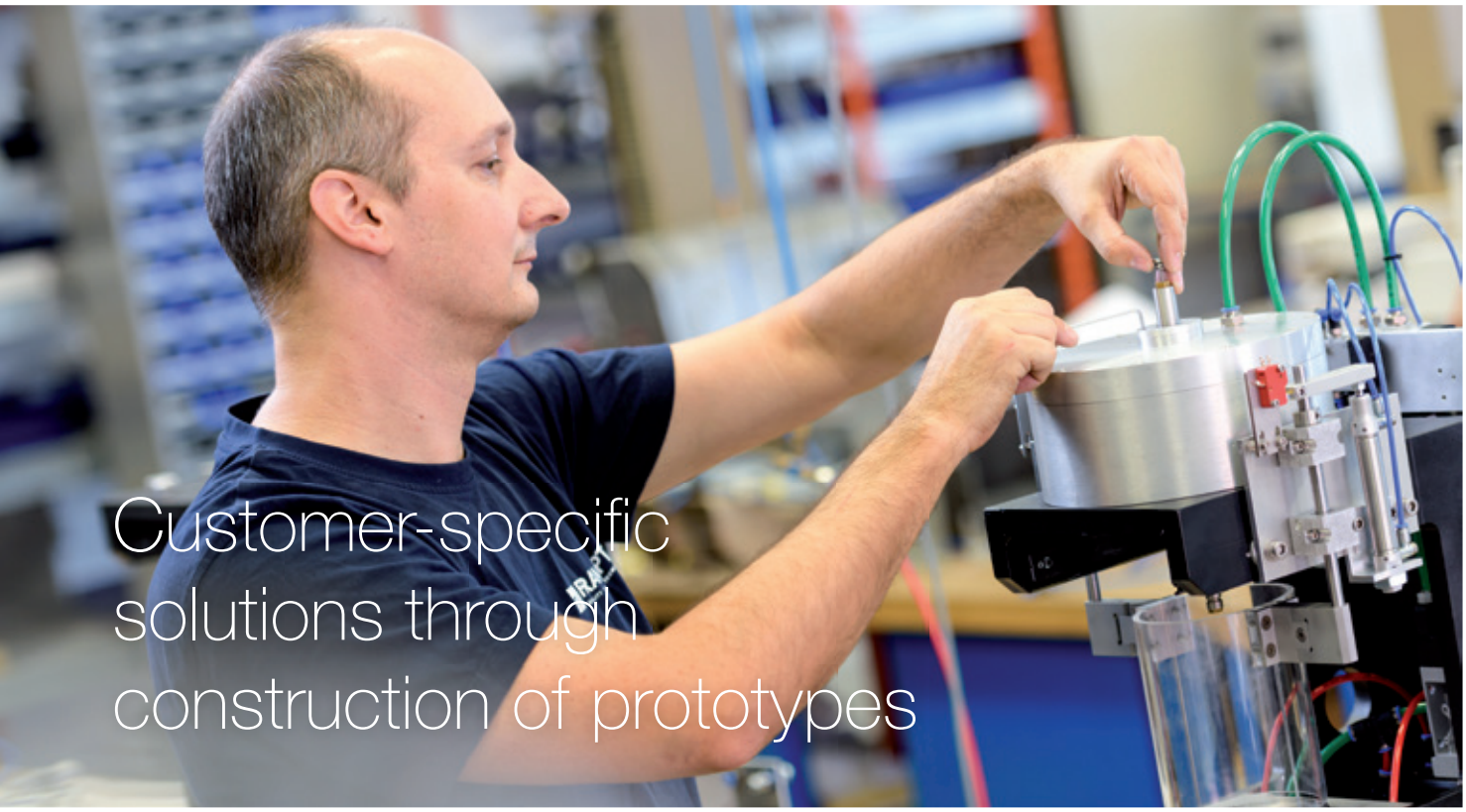
As a **subsidiary of the globally operating Swedish company Elof Hansson**, we have been able to place our products on the world market. And ours are products that do not only reflect an experience of over 95 years in the trade but also the in-depth universal knowledge and solution-oriented creativity of our approximately 45 employees.



User-friendly
touch-screen
operation



Longevity
through top-quality
material and
rugged design



Customer-specific
solutions through
construction of prototypes



“Only those who keep up with the times can be ahead of their time.”

Martin Eder, Sales Manager

The logic of the free market is as simple as this: The better will win! And by “better” we at FRANK-PTI understand to be always a little ahead of our time. This holds especially true for customer focus, quality and innovations. Thus, it is not hard for us to credibly explain to you why we have become the specialist for measurement instruments for tests with wet and dry samples. Here are the facts:

- FRANK-PTI specialises both in **development and production**. This means that we are not only a supplier of reliable routine applications but also an innovative producer of prototypes. If requested by the customer, we also provide individual software programming for special instruments.
- All products in our portfolio are made of **high-quality materials**. Their **rugged design** ensures highest measurement quality and an impressive longevity.
- Each of our measurement instruments is adjusted and tested before it leaves our site (measurements according to ISO, DIN, TAPPI, etc.). In other words, you can be a hundred percent certain that the **measurements** are **carried out according to international standards**. Therefore, you can rely on the worldwide comparability of the measured values.
- With all our testing instruments **profile measurements** are carried out **in accordance with internationally valid standards but *without* using correlations**. Instead, a defined algorithm is applied to every single measurement method.
- FRANK-PTI is a **member of various national and international committees** in order to take an active part in the standardisation of measurement methods.
- Another explanation for the top-ranking position of FRANK-PTI is its **co-operation with renowned institutes**, like for example, Graz University of Technology, Technische Universität Darmstadt, Verpackungsinstitut Hamburg, and many more.
- At FRANK-PTI we do not regard our employees as “resources”. We rather see them as human beings who dedicate their **passion, long-time experience and comprehensive special knowledge** to our customers to whom they feel deeply committed.

Your enterprise is growing? So will **ModularLine**!

For standards-compliant measurements of:

✓ **PAPER**

✓ **BOARD**

✓ **TISSUE**

Measurement instruments are a capital-intensive investment. Such investments need to be considered carefully. With ModularLine, FRANK-PTI offers you a product that is perfectly tailored to your needs thus allowing you to take an economical decision. You can start, for example, with three base modules. **The length and design of your testing line can be adapted anytime** and with utmost precision **to your current situation and requirements**.

In other words: if your requirements grow, ModularLine will grow with them. Step by step. What is more, ModularLine instruments offer you many additional benefits. Our profile measurements, for example, are carried out according to internationally valid standards without using correlations. Instead, a defined algorithm is applied to every single measurement method. All measurement instruments of FRANK-PTI have this convincing advantage.

MORE ADVANTAGES OF MODULARLINE:

- Fast individual tests are also possible.
- Self-programmable special test programmes are available for individual evaluations.
- A quicker availability of the measured data facilitates quicker corrections in the production process.
- Time is saved and error sources are reduced through automated workflows.
- All instruments are available in a StandAlone variant.



TESTING LINE with 8 measurement instruments and a control module

+

can be expanded to maximally 15 measurement instruments

StandAlone in two convincing variants

For standards-compliant measurements of:

- ✓ **PULP**
- ✓ **PAPER**
- ✓ **BOARD**
- ✓ **TISSUE**

Consistent with our market position as full-range supplier of highly innovative and user-friendly laboratory measurement instruments for the pulp and paper industry, FRANK-PTI also covers all your requirements in the sector of StandAlone instruments. And it does so in a very generous way. Select between two categories of instruments!

MULTIRESULT INSTRUMENTS WITH GRAPHIC DISPLAY

MultiResult instruments do not only guarantee standards-compliant and very precise measurements, they also provide you with a number of accompanying parameters and a **meaningful graphic data output on the integrated screen**. By “meaningful” we mean that several measurements are displayed simultaneously in one graph. Corresponding software is available for saving the data on an external PC for opening and further processing.



BURST TESTER with graphic display

SINGLERESULT INSTRUMENTS WITH DIGITAL DISPLAY

The instruments of this category also offer you the security of precise and standards-compliant measurements. The individual results are shown on the **digital display**. Further advantages: SingleResult instruments convince our customers with their **compact dimension** and **competitive sales prices**.



BURST TESTER with digital display

Bear in mind that many of the instruments are available in a Multi and SingleResult version. Moreover, numerous models are also ModularLine-capable.

PulpTester with integrated savings potential

For standards-compliant measurements of:

✓ **PULP**

✓ **PAPER**

✓ **BOARD**

✓ **TISSUE**

In the area of pulp test instruments, FRANK-PTI has also succeeded in establishing itself as a leading all-range supplier on the international market. The reasons for this outstanding position are as numerous as easily understandable:

- Excellent user-friendliness because of the ergonomic design
- Use of high-quality materials in all assembled components
- **Extremely high reliability** and **longevity**
- Resistance against huge strain is a big advantage, especially with wet tests

GREAT SAVINGS POTENTIAL THROUGH AUTOMATION

Again and again human influences in manual measurements have led to inaccuracies. Variance of the measuring results can be high in cases where a measurement is repeated frequently. The **high level of automation** of our PulpTesters avoids this undesired phenomenon. These are the resulting advantages:

- High level of standardisation
- High reproducibility
- Big savings potential because more accurate measurement values help you to avoid over-quality products and to reduce the scrap rate



RAPID KÖTHEN automatic

Perfectly prepared with **PreparationProducts**

For standards-compliant measurements of:

- ✓ **PULP**
- ✓ **PAPER**
- ✓ **BOARD**
- ✓ **TISSUE**

FRANK-PTI understands itself as full-range supplier. Therefore it is only consequent when we also make you a comprehensive and high-quality offer for test preparations. **The better the test preparation, the more reliable are the measurements.** This is why we have an assortment of products that harmonise with all instruments and cover all areas of applications. Our assortment includes these very successful products:

- **CONCORA** for corrugated samples
- **ECT SAMPLE SAW** for the cardboard sector. This is a special FRANK-PTI product and with its special saw blade one of the best saws on the market.



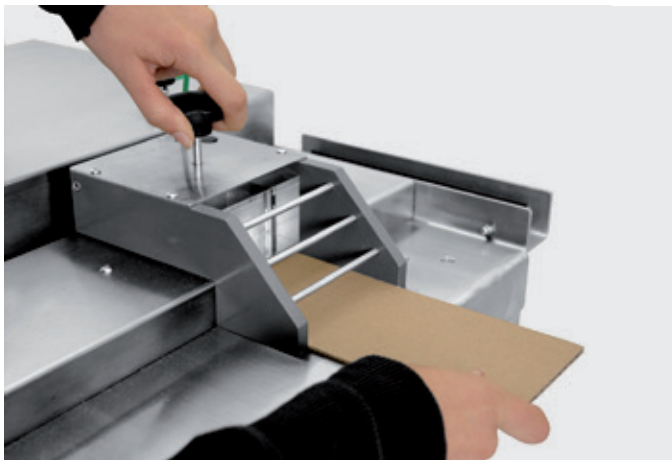
CONCORA for corrugated samples

SPECIAL PRODUCTS DEVELOPED BY FRANK-PTI

Our extensive assortment includes high-quality trade goods as well as special products made by FRANK-PTI. In any case, all PreparationProducts comply with our typical standards: easy and user-friendly operation, longevity and accuracy. What is more: we frequently offer you an alternative between budget-priced **manually-operated** and efficient **pneumatic** products. These are two of our bestsellers in this area:

- Punches in a great variety of types and sizes
- Tambour cutter


ECT SAMPLE SAW





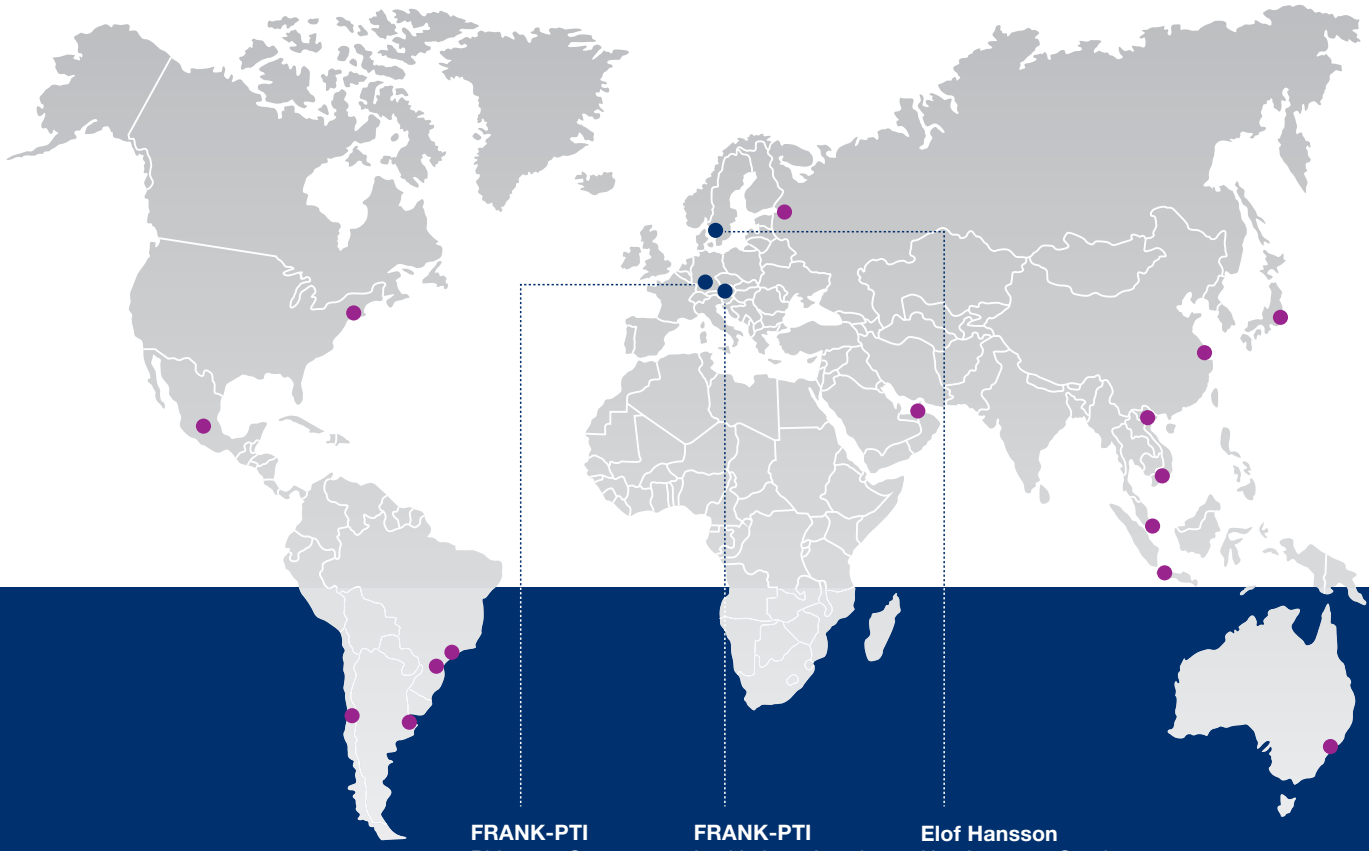
“By partnership we mean to never leave you alone.”

André Heumann, Operation Manager

Up to here you have heard many convincing arguments for purchasing FRANK-PTI measurement instruments. However, your decision will not concern the purchase alone but also the time after the purchase. Your ultimate aim is the reliable and accurate usage of the equipment over many years, which leads us directly to the after sales area.

WE ARE WHERE YOU ARE

Owing to our integration into the globally acting Elof Hansson Company we are able to offer you a **worldwide service network** and **service technicians who speak your language**. They will always be on the spot when it comes to maintain, calibrate or repair your instruments.



FRANK-PTI
Birkenau, Germany

FRANK-PTI
Laakirchen, Austria

Elof Hansson
Headquarters Göteborg
Sweden

AT YOUR DISPOSAL - WORLDWIDE!

“Tradition begins when things are allowed to change!”

Björn Olausson, President Elof Hansson

Here at FRANK-PTI we usually do not lean back contemplating the past but are always on the spring-board ready to jump into the future. However, let us here for once look back - because how does the saying go? “He who wants to know where he goes must know where he comes from”.

When Karl Jakob Frank, a precision engineer, founded his **KARL FRANK Company** in **Mannheim** in **1919**, he had only a small number of employees but a lot of enthusiasm. What followed where decades of expansion and the development of numerous test instruments. Many years later and several hundreds of kilometres to the south, the **PTI Company** was founded in **Austria** in **1995**. It only needed four years until FRANK and PTI joined forces but it was not before **2008** that they **started operating** on the market **together**. Finally, in **2012, FRANK-PTI** was **integrated into** the global player **Elof Hansson**, a company from Sweden. Since then we have been ready for customers worldwide to challenge us with the highest requirements.



1940 Twin folding tester
1950-56 Rapid Köthen sheet former
1956 Burst pressure tester
1964 Crush tester
1970 Twin folding tester
1980 Crush tester
1997 Rapid Köthen sheet former, automatic
2001 Crush tester
2002 Tensile tester
2005 Burst pressure tester
2007 Bending stiffness tester
2009 Colour tester
2010 ECT saw
2013 Absorption tester
2015 Puncture resistance tester
2015 PFI mill

THE MILESTONES OF OUR PRODUCT DEVELOPMENT

03.17-1.3

EUROPE

Albania, Bosnia Herzegovina, Czech Republic, Estonia, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Slovakia, Slovenia & Ukraine
FRANK-PTI GMBH
Tel.: +43 7613 90607-0
albania@frank-pti.com
bosnia-herzegovina@frank-pti.com
czech-republic@frank-pti.com
estonia@frank-pti.com
hungary@frank-pti.com
ireland@frank-pti.com
latvia@frank-pti.com
lithuania@frank-pti.com
luxembourg@frank-pti.com
slovakia@frank-pti.com
slovenia@frank-pti.com
ukraine@frank-pti.com

Belgium, Great Britain & Netherlands
M.C. TEC BV
Distributiestraat 27
4283 JN Giessen
Tel.: +31 183 4450-50
info@mctec.nl

Bulgaria, Macedonia
PULP AND PAPER INSTITUTE SA
8, „Poruchik Nedelcho Bonchev“ str.
1528 Sofia
Tel.: +359 2 973-2785
office@ppibg.com

France
DISTRITEST
51 rue des Tenettes, ZAC du Terraillet
73190 Saint Baldoph
Tel.: +33 820 203393
info@distritest.fr

Greece
SAFETECH LTD.
Democratias 102
17563 Paleo Faliro Athen
Tel.: +30 210 9824408
info@safetech.gr

Italy
FREDIANI S. R.
Via Dino Andreoli nr. 20
40068 San Lazzaro di Savena (BO)
Tel.: +39 51 62570-86
frediani@fratellifrediani.it

Poland
PAPCHEM
ui. Koniecpolskiego 14A/5
99-300 Kutno
Tel.: +48 725 767222
dawid.kurc@papchem.pl

Portugal & Spain
PARALAB - EQUIPAMENTOS INSTRIAS E DE LABORATORIO
Tv. do Calvário, 65
4420-392 Valbom
Tel.: +351 224 664-320
info@paralab.pt

Romania
TECONS EQUIPMENT SRL BUCURESTI
Chisinau Blv., no. 8, bl. M2,
sc. A, ap. 39, sect.2
022153 Bucarest
Tel.: +40 732 8253-88
petre.anghel@teconseq.ro

Serbia
INTERMERKUR D.O.O.
Zvecanska 38
11000 Belgrad
Tel.: +381 11 3 692 792
info@intermerkur.com

Sweden, Finland, Norway & Denmark
PAPER TEST EQUIPMENT AB
Box 8088
16308 Spanga
Tel.: +46 8 3644-40
info@pte.se

Switzerland
KASA AG
Schützenhausweg 3 A
4226 Breitenbach
Tel.: +41 61 789 9090
kasa@kasa.ch

Turkey
LABTEK
Bestekar Sok., 47/5,
06680 Kavaklidere
Ankara
Tel.: +90 312 437 88 77
info@labtektr.com

WORLDWIDE

Brazil
ELOF HANSSON LTDA.
Rua Líbero Badaró 293
10° and. - Cj. 10 B
01009-000 - Sao Paulo/SP
Tel.: +55 11 3101-5257
comercial@br.elofhansson.com

Chile
ELOF HANSSON CHILE
Magnere N° 1540 Of. 605
Providencia Santiago
Tel.: +56 2 223-21391
office@elofhansson.com

China
ELOF HANSSON TRADE AB SHANGHAI REPRESENTATIVE OFFICE
瑞典伊洛夫汉森公司上海代表处
Room 605, Hotel Equatorial Shanghai
65 Yan An Road (W)
Shanghai 200040
中国上海延安西路65号国际贵都大饭店
办公楼605室
邮政编码200040
Tel.: +86 6248 2415
scan.sha@elofhansson.com

India
ELOF HANSSON (INDIA) PVT.LTD.
149, Chamiers Road, R.A. Puram
Chennai - 600 028
Tel.: +91 44 24315110-5115
office.chennai@in.elofhansson.com

Indonesia
PT. ELANG HARAPAN INDONESIA
Mugi Griya Floor 2 - Suite 204
Jl. MT. Haryono Kav. 10
Jakarta 12810
Tel.: +62 21 83085-11
officeid@elangharapan.com

Russia & Belarus
ELOF HANSSON INTERNATIONAL AB
Representative Office
Mobile: +7 921 8694424
Julia.Yukha@elofhansson.com

Singapore
ELOF HANSSON SINGAPORE PTE LTD.
298, Tiong Bahru Road
Central Plaza #08-04
Singapore 168730
Tel.: +65 62 234393
singapore@elofhansson.com

United Arab Emirates
ELOF HANSSON INTERNATIONAL AB
Representative Office Middle East
Office 134, 4W-A Building
Dafza
Tel.: +971 4 23142-80
info@ae.elofhansson.com

Vietnam
VPDD ELOF HANSSON SINGAPORE PTE LTD
4/43 Vong Thi, Buoi, Tay Ho
Hanoi
Tel.: +84 4 37533091
tao.dao@vn.elofhansson.com

FRANK-PTI
QUALITY TESTING INSTRUMENTS
SUBSIDIARY OF Elof Hansson

Germany
FRANK-PTI GMBH
Auf der Aue 1
69488 Birkenau
Tel.: +49 6201 84-0
office@frank-pti.com

Austria
PAPER TESTING INSTRUMENTS GMBH
Hauptstrasse 41a (at BDZ)
4663 Laakirchen
Tel.: +43 7613 90607-0
office@at.frank-pti.com

FRANK-PTI is a subsidiary of the Elof Hansson Group.

www.frank-pti.com