



KAJAANI

®

PROCESS MEASUREMENTS

KPM knows Process.

The Kajaani Process Measurements way.

The Kajaani Process Measurements way...

Kajaani Process Measurements Ltd., founded in 2001, is focusing on the development of unique measurement solutions for the pulp and paper industry. Owned by a select team of managing partners and an established capital investor, KPM combines extensive knowledge of and experience in the pulp and paper industry.

Our goal is to enable the Customer to successfully manage and control consistency. To this end, KPM offers market-proven product development and application engineering expertise, combined with leading-edge design and manufacturing know-how. Exceptional Customer-focused services set KPM heads above other suppliers in delivering real value and reduced cost of ownership.

KPM accomplishes this work by confronting conventional process measurement and control thinking head-on – not as an afterthought of the papermaking process but as an end in itself.

KPM's innovative thinking is your way to solve traditional pulp and paper consistency problems. By focusing on consistency management with laser-like precision, KPM is designing easy-to-use, low-cost-of-ownership, and self-diagnosing products to help Customers win the battle to reduce production costs and end product variability.

A visit to our homepage at www.prokajaani.com opens the door to innovative solutions available to you today.

Process and consistency expertise and the highest level of Customer support – in the mill as well as in the office – support these high-end, high performance products.

KPM knows process and speaks your language – the language of the papermaker. KPM listens to your goals, opportunities, problems and your unique issues.



The best measurement tools applied in the right place.

KPM products can be applied to most consistency applications and offer our Customers no compromises.

KPM believes that pulp fiber consistency measurements can be managed and controlled successfully, and be a useful tool in controlling other fiber and paper properties.

KPM's experience and expertise has shown that a strategy of using different measurement technologies applied correctly – the right technology in the right location – is the key to the total consistency control solution.

There is no technology that "fits all".

... resulting in the most cost-effective installed products.

KPM knows process. Genuinely the best in consistency measurement and control.

High-level expertise supported by products that work to reduce cost and eliminate variations – this is the **KPM** line of consistency management and control tools.

Pulp Fiber Consistency measurement is determined typically by shear force measuring devices. **KPM** recognizes that this technology is well known and is the first choice in many mills – in spite of the high cost of ownership. This is where **KPM** breaks with tradition! **KPM** rejects the premise that blade and rotary transmitter causes high maintenance and repair costs.

The **KC/3 blade-style transmitter** is specifically designed not only to perform well, but also to increase Customer value by extending transmitter life, reducing downtime and eliminating factory maintenance. Intuitive to set-up, easy to calibrate, integrated sample and laboratory system, self-diagnostics and analysis tools provide for full serviceability by mill personnel – just some of the features that make consistency management and control a reality.

To complement shear force measurement, **KPM** offers a unique rotary design – another example of break-through thinking. The **IT-2003 rotary transmitter** is completely serviceable by mill personnel without shutting down the process! And that is not all. Installation is cost-effective – everything you need for reliable, dependable, cost effective consistency management is included in one low price. In combination with **KPM's** process and consistency expertise, rotary technology is reliable, cost-effective, accurate and dependable.

Total Consistency measurement requires new thinking. Consistency traditionally has been performed with shear force measurements that are not always reliable in some applications. **KPM** knows that microwave technology works in difficult applications with varying furnishes, flow changes, fiber length variations etc.

KPM has partnered with **TOSHIBA** – renowned for high technology and world-class manufacturing – to bring this sophisticated measurement principle to the pulp and paper industry at a competitive price. And in recognition of **KPM's** experience and expertise in pulp and papermaking process measurement and control, **TOSHIBA** has named **KPM** sole pulp and paper distributor for the **LQ-Series** microwave consistency transmitters. The extraordinary **LQ-Series** consistency transmitters represent the highest level of measuring technology. The **LQ** is reliable and performance is assured and supported with **KPM** expertise and experience in consistency measurement and application know-how.



KPM offers the **widest choice for sampling**. To measure and control consistency, the transmitter requires reliable and accurate sampling technology. **KPM** knows that correct and reliable sampling seems simple and that many mills underestimate the importance of the using right sampler, applied in the right place, utilizing the right sample handling and sample processing methodology.

Improper sampling and sample handling is a source of consistency transmitter measurement error and increased process variability. **KPM** has translated its knowledge of process and consistency in development of an array of samplers, which are well designed to safely extract a true representative sample from the process line.

The **KS** family of samplers completes our line of products for consistency management and control. Let us help you develop reliable techniques for sampling, in even the most demanding applications - make **consistency work for you**.

KPM knows break detection.

Ever alert to the Customer's need to solve operating problems, **KPM's** expertise and experience has taken a fresh look at some old problems that operators have struggled with for generations.

The **WE** family of optical break detectors is solving web break detection problems in many installations and reliably detects paper breaks without missing a break or generating a "false" break signal. In many cases, payback time is very short. **KPM** personnel has been around the paper machine area for a long time, and consistent with our goal to reduce the cost of ownership and increase Customer value, Customers report that the **WE** is reliable and trouble-free. And here is the **KPM** advantage – **KPM** knows papermaking!

Reliable, dependable products supported by an intimate knowledge of mill conditions coupled with first-class customer service – an unbeatable formula for success!

***KPM - centered in the heart
of forestry and paper making.***



The head office of Kajaani Process Measurements Ltd. is located in Kajaani, Finland – one of the leading paper manufacturers in the world. In fact, KPM's experience is rooted in forest industry practices in Kajaani that date back 100 years. The forests of Finland are, and continue to be, the backbone of livelihood in the region.

Local forest industry and modern mills provide a fertile ground for the development of new ideas. Numerous companies that are active in the field have their focus on the local Measurepolis Technology Center and the University of Oulu Measurement Sensor Laboratory. This business concentration offers a unique environment for KPM because extensive advanced equipment is available for testing new ideas and products. This ensures that KPM innovations reach Customers only after rigorous performance testing and reviews are completed.

In addition, Kajaani has an active network of businesses that develop and manufacture high-quality instrumentation. These high-tech companies continue to follow in the footsteps of past successors – experienced paper industry experts – towards their goals: accurate measurement, value for the Customer and manufacturer, and conservation of the environment and natural resources.



For your process from KPM.



Auditing in a mill



Pilot plant



Development



Manufacturing

Office locations and contact information

KAJAANI PROCESS MEASUREMENTS

E-mail: first.lastname@prokajaani.com

www.prokajaani.com

▪ North America

N.A. Customer Service Center
KAJAANI PROCESS MEASUREMENTS INC.
636 U.S. Route 1
Box # 4
Scarborough, ME 04074
U.S.A
Tel. 1 207 883 1095
1 800 CONSIST (266 7478)
Fax 1 207 883 1104

West Coast Service Center
KAJAANI PROCESS MEASUREMENTS INC.
424 6th Street
Unit # 5
Prosser, WA 99350
U.S.A
Tel. 1 207 883 1095
1 800 CONSIST (266 7478)
Fax 1 207 883 1104

▪ Europe, Asia and South America

KAJAANI PROCESS MEASUREMENTS LTD.
P.O.Box 94
FIN-87101 Kajaani
(Ahontie 1, FIN-87250 Kajaani)
FINLAND
Tel. +358 8 633 1961
Fax +358 8 612 0683

Japan Branch Office
KAJAANI PROCESS MEASUREMENTS LTD.
4-444-5 Nishimiyashita,
Ageo-shi, Saitama-Ken,
JAPAN 362-0043
Tel. + 81 48 776 7695
Fax + 81 48 776 8469
Mobile + 81 090 7633 8960
E-mail: k.doi@prokajaani.com



KAJAANI[®]
PROCESS MEASUREMENTS

Your local contact : **PulpTech Sales**
1703 Amble Greene Drive
Surrey, BC V4A 6H3

Tel +1604 536 3583
Fax +1604 536 3533
E-mail pulptech@shaw.ca
www.pulptech.us

KPM knows process. KPM knows consistency. KPM knows the P&P industry.
Put KPM work for you – now! Call 1-800-CONSIST (266-7478) for your answers.
