



One of Finland's most Powerful X-ray Machines installed at Geological Survey of Finland

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We are pleased to announce that Geological Survey of Finland (GTK) has invested in an industrial high-resolution CT & X-ray system, a *GE phoenix v|tome|x s*, from EP-TeQ.

'We are the largest geological research entity in Finland, and we provide a comprehensive set of equipment and expertise to our clients', says Jukka Kuva, research scientist at GTK. 'Computed X-ray tomography is an essential tool in modern geology, and we are glad to be able to add it to our list of services. The acquired instrument has great synergy in our lab, where we are able to combine its results with tools like SEM, EPMA or XRD to get better end results. We expect this device to be a reliable workhorse for years to come.'

The *v|tome|x s* is a versatile high-resolution system for 2D X-ray inspection, 3D computed tomography (micro CT & nano CT) and 3D metrology. To allow high flexibility, the *v|tome|x s* is equipped with a 180 kV/15 W high-power nanofocus X-ray tube and a 240 kV/320 W microfocus tube. Due to this unique combination, the CT system is a very effective and reliable tool for a wide range of applications from extreme high-resolution scans of low absorbing materials to 3D analysis of high absorbing objects.

'We look very much forward to this co-operation with GTK, says Jussi Räsänen, Account Manager for EP-TeQ Oy. 'Traditionally, EP-TeQ has delivered many X-ray systems to the electronic industry, but the application area for X-ray inspection is huge, ranging from Materials Science to industrial production quality control. Especially hot topic now is 3D printing (Additive Manufacturing), where it is the only effective non-destructive way of testing 3D printed objects.'

Geological Survey of Finland (GTK) is a leading European competence centre on assessment and sustainable use of geological resources. Working closely with clients and partners, they create solutions that lead to new technologies and business areas, as well as promote sustainable growth. GTK is an expert organisation under Finland's Ministry of Economic Affairs and Employment. They employ approximately 420 full-time staff and are effectively engaged in tasks at local, national and international level. For more information, visit www.gtk.fi.

EP-TeQ A/S is supplier of GE's CT & X-ray systems in the Nordic and Baltic countries. EP-TeQ offers a wide range of machines for micro- and nanofocus 2D industrial X-ray inspection as well as industrial computed tomography (micro CT and nano CT), 3D failure analysis, 3D metrology, inline CT and robot controlled CT systems.

For further information, please contact Michael Vester on +4520983738. See also www.ep-teq.com under [2D/3D X-Ray Machines from GE](#).

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