

Piranha Premium



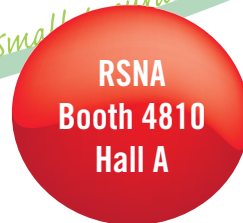
Major Piranha improvements

The Piranha has now been on the market for three years. Since then a lot of improvements have been done. Such as support for new mammography beam qualities, and improved detector design. All this has been made after listening to the customer demands and in order to improve productivity for the users. Now further major steps are taken to improve productivity and reliability:

- **A safer communication** without interruptions. All Piranhas delivered from November comes with an Extended Wire-less range - Now up to 100 m with Bluetooth.
- **Improved EMC protection**, gives undisturbed communication when using laptops.
- **Increased waveform storage time**, gives improved analysis capabilities.
- **High quality case** for ease of use as well as safe transports.
- **Improved pulse detection** means less manual settings.
- **Calibrations** for CT Straton tubes.

... and more!

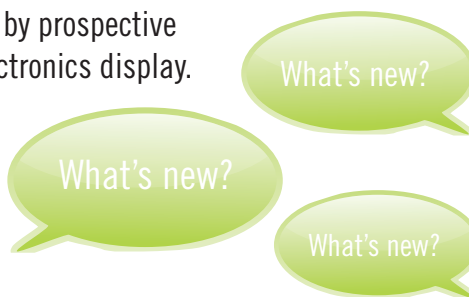
Accurate Easy Quick Affordable Small Accurate Smart Quick Affordable Small Accurate



Innovative X-ray QA Solutions ...of Course!

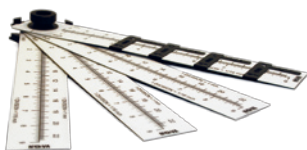
RTI Electronics to Unveil Exciting Products at RSNA 2009

“What’s new?” That’s a frequent question at the RSNA by prospective customers and RTI users alike as they visit the RTI Electronics display. This year’s RSNA display by RTI will have plenty of “new” to it as RTI Electronics unveils new products, software and accessories to their line of X-ray QA equipment.



Some of “what’s new” at RTI Electronics:

Nova One of RTI’s latest innovations is the Nova – the newest X-ray- and Light Field Alignment Tool. The Nova provides a visible check of the alignment of the X-ray and Light fields. At the same time, the Nova will automatically record and document the X-ray pattern from the digital detector image – all with sub-millimeter resolution!



T20 The new T20 Solid State Detector will be hard to miss, although it is “almost not there”. The RTI T20 will allow the user (with the RTI Piranha or Barracuda) to do measurements of the entrance skin exposure on fluoroscopic systems, but is small enough to leave the AEC system undisturbed. T20 stands for Translucent Detector with a detector area of only 20 mm².



The RTI Nova – patent pending solution.



Ocean Ocean Software. The newest generation of RTI data acquisition software will be unveiled. Called “Ocean”, this totally new software will interface with RTI Piranhas and Barracudas for a simple and flexible user experience. Some features will include: intuitive user interface, efficient data collection, flexible and powerful template tools, extensive reporting features, and interaction with Microsoft Excel and Open Office.

So stop by the RTI display 4810, Hall A, in the South Building and look for the team in cool shirts, with blue shades, and get a splash of the “Ocean” while you take a look at all “that’s new” with RTI Electronics. You will not regret it!

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New Solid State Detector from RTI Electronics

The T20 is a new solid state detector from RTI specifically designed for measurements on Fluoroscopic systems when it is crucial that the detector does not affect the AEC system.

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New Software for Barracuda and Piranha meters

Ocean is the newest QA software product by RTI Electronics. New from the ground up, Ocean will interface with the RTI Piranha and Barracuda meters to provide the most powerful and productive software tool for X-ray QA.

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New Piranha Premium Case

In recognition of the Piranha Premium’s 2nd anniversary, RTI is introducing a new Premium carrying case at RSNA 2009.

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Calendar 2009/2010

MEDICA

Dusseldorf, Germany, November 18–21

SGSMP

Basel, Switzerland 19–20 nov 2009

RSNA

Chicago, USA, November 30–December 4

Zdravookhraniye

Moscow, Russia den 7 – 11 dec 2009

IBS Biomedical Society

Indianapolis, USA, January 23


ECR

Vienna, Austria, March 4–8

EDGE Newsletter is published three times per year by RTI Electronics. If you would like more information or have questions on any of the products featured in this issue, feel free to contact us at our head office in Sweden, Monday thru Friday 8:00 a.m. to 4:00 p.m. EST. E-mail to: sales@rti.se. Call us at: +46 (0) 31 746 36 00

Six New RTI World Representatives


In order to maintain a strong position and further develop the market, RTI tries to ensure that we always have available knowledgeable and enterprising representatives to cover the world. We are now pleased to present five new distributors who have joined our team.

 **In Bulgaria** we welcome Ecomed into the RTI team. Managed by Mr. Krasimir Iliev, the company has seven medical physicists some of which with many years of experience in the field of quality control in medical x-ray as well as four people working as support staff. Krasimir states that it will be a great challenge to strengthen the position of RTI on the Bulgarian market.

 **In Vietnam** we welcome our new distributor – NEAD (Nuclear Equipment and Technology). With about 20 employees, this is a committed company offering a wide range of technical measuring equipment, including hospital and laboratory equipment. Our contact is Tran Hai Nam.

 **In Singapore** we welcome our new distributor, Scanmed Technology. The company has 20 employees and was founded in 1993. Our contact is Daniel Soh, the owner of Scanmed Technology. Daniel and his colleagues sell every kind of hospital equipment, including a mobile CT scanner!

 **In Finland** We like to welcome a reinforcement in the northern district, by the company Petrimed. Petrimed is located outside Turku and have 13 employees. Among other things, they are distributors of several well-known X-ray manufacturers such as Ziehm and Sectra. Our contact is Petri Laakkonen.

 **Syria** Rays Medical Equipment Co. are our most recent distributor. Since Omar Alamir and Rays Medical Equipment are the first to represent RTI in Syria – he'll have a great challenge to strengthen RTI's position in this area.

Easily Check and Document Your X-ray Field

The New X-ray/Light Field Alignment Tool from RTI



NEW!
Released Oct. 2009

The RTI Nova is a complete QA solution which allows the user to check the coincidence of the X-ray and Light fields. With the RTI Nova, both fields are easily compared and results are documented. Images of both fields can even be stored if necessary. Best of all, Nova can be used with all types of X-ray machines, both digital and analogue.



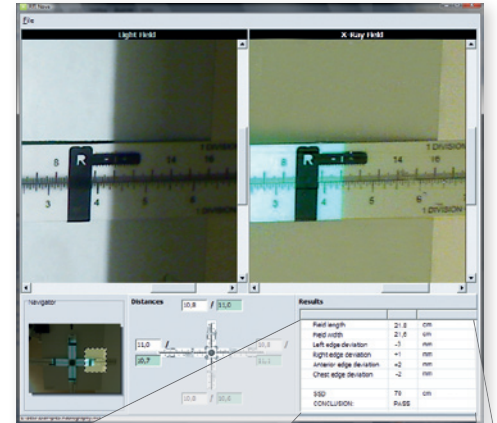
The RTI Nova includes special rulers that can be

placed in a cross or next to each other in a fan pattern. Each ruler consists of a sandwich construction, comprised of a fluorescent material with a visual scale on top and a copper scale underneath.

Four markers are included that run along the rulers. These are placed at the borders of the field and are visible on the X-ray image.

The RTI Nova also comes with a digital web camera. Positioned with a universal clamp, the camera allows the user to remain outside the room and video the fluorescence. The visible markers allow the user to easily see any deviation between the X-ray and Light fields. This combination provides the user with sub 1 millimeter resolution accuracy over the whole measured area.

With the RTI Nova, you see the difference between the X-ray and Light fields and can also create the documentation you need for your report. However,

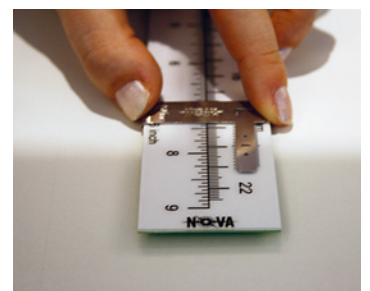


Field length	21.8	cm
Field width	21.6	cm
Left edge deviation	-3	mm
Right edge deviation	+1	mm
Anterior edge deviation	+2	mm
Chest edge deviation	-2	mm
SSD	70	cm
CONCLUSION:	PASS	

The software makes the Nova solution unique.

there is no need to write anything down. Nova's software gives you a fast and detailed option for documentation of measurements. Once the video is caught, you can analyze and finalize your report away from the X-ray room.

The RTI Nova comes with extras that allow you to use it on a chest unit or in a room that cannot be completely darkened. All of this fits into a convenient carrying case and is priced affordably.



The RTI Nova – patent pending solution.

New Software the Way You Want It to Be



Ocean is the newest QA software product by RTI Electronics. New from the ground up, Ocean will interface with the RTI Piranha and Barracuda meters to provide the most powerful and productive software tool for X-ray QA.

Prominent features of the new Ocean software include:

- Intuitive user Interface – One of the ways this is done is by simplifying the way things are done. Most of your work will be done in Ocean's "Main Screen" making workflow faster and easier to view.

- Extremely flexible and powerful template tool – You want your reports and data to look the way "you" want them to. Ocean gives you this flexibility.



Above, sample screen shot from new RTI QA software. Stop by the RTI display at RSNA for a splash of the new Ocean.

NEW!
Release Feb. 2010

Build the templates "your way".

- Efficient data collection – You program the Piranha and Barracuda with the software.

- Adjustments to the meter are made by the software – quickly and easily. The data you want can be collected in the format you prefer. You can choose between

Real Time Meter (RTM), Testing (QA Procedures), or Microsoft Excel as your Work Mode.

- PowerChecklistFunctionality – When you are not using your RTI meter in the X-ray room, you can use Ocean to easily complete important checklists and verify conditions in the X-ray room.

Checklists of any size can be part of an existing Ocean report or stand alone. Feel free to add PDFs or picture files along with your checklists. Ocean is big enough.

- Extensive Reporting Feature – Reports can be printed or emailed. Waveforms can be included and comprehensive analysis of measurements made. Again, make them look the way "you" want them to and contain what "you" want them to have.

- Interaction with Microsoft Excel and Open Office – see how easily Ocean interacts with your favorite spreadsheet.

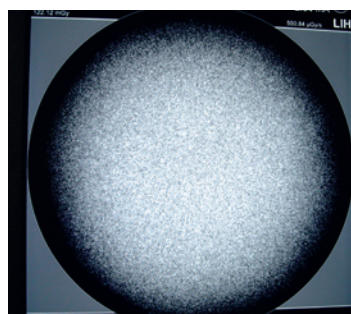
Stop by the RTI display at RSNA for a splash of the new Ocean or contact your local RTI representative for your demonstration and pricing details.

Solid State Detector – Almost Not There



The T20 is a new solid state detector from RTI designed specifically for measurements on Rad/Fluoroscopic systems when it is crucial that the detector itself does not affect the system output nor disturb the AEC system.

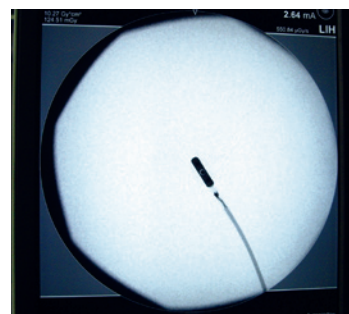
The T20 (Translucent Detector with a detector area of 20 mm²) can be "invisible" to the X-ray system because of its unique design. While made of a dense and impenetrable material, the detector area is very small and



No detector in the beam. The generator setting is 74 kV and 2.64 mA.

therefore does not affect the beam.

The T20 can be positioned in the middle of the II – because of the unique design of the detector



T20 in the beam. The generator setting is still 74 kV and 2.64 mA. Hence the T20 does not affect the output at all.

and its carbon fiber rod. The rod's extension is sufficiently long enough for measurements on digital detector/image intensifiers as large as 45 x 45 cm, providing

for desired placement with no interference. To stabilize its positioning further and ensure that the detector surface lies flat against the incident beam, RTI has also added small carbon fiber "wings" to the sides of the detector.

The T20 is an ideal complement to the R100B or the Piranha Dose Probe (PDP) handling all applications related to the installation, service, acceptance testing and X-ray QA/QC.

T20 will work with either the RTI Piranha or Barracuda.