

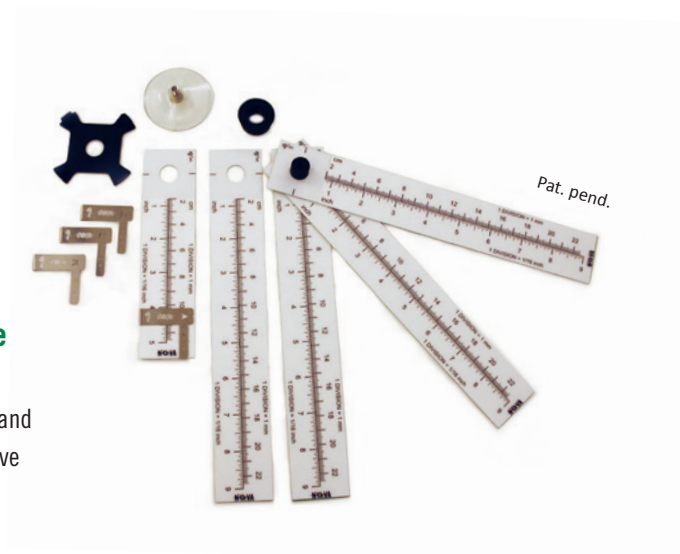
Nova



NOVA

An X-ray/Light Field/Digital Image Alignment Tool

This document will show what the RTI Nova is and what can do for you. Nova is something you have been waiting for!



Details Specifications

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



Nova

Field size Up to 45x45 cm

Resolution < 1 mm

Sensitivity 0.1 mA @ 110 kV, 75 cm SSD (using Light Protection Cloth)

The RTI Nova – A Patent Pending Solution

We would like to assure that you always get what you expect. With our Patent Pending solution – RTI Nova – you are always confident of having a unique, smart, and simple X-ray, light field and digital image alignment tool.

Completes Your QA Solution

A Time Saver

Use Nova to check both analogue and digital X-ray systems. You can easily check and document the maximum field size. Nova needs no post-exposure adjustment and eliminates the need for a darkroom. If you have used X-ray film for checking the radiation field extension, and now have digital systems with no film developing equipment, Nova is a great solution.

When the X-rays hit the surface of the Nova rulers, they light up brightly. However, the RTI Nova is much more than a fluorescent screen. It is a complete solution which allows you to check the extension of the light field as well as the X-ray field. The fields can be compared and the results can be documented in a clear and intuitive manner. Nova even provides a unique way to store and report the results. And the best of all, Nova works on all types of X-ray machines, both analogue and digital. Even larger field sizes on mammography are no problem. Nova is also in accordance with international standards.

Nova is able to handle the applications related to installation, service, acceptance testing and Quality Assurance of all X-ray equipment.

Check & Document

Using Nova, you see graphically the difference between the radiation and light fields and at the same time create the document you need for a report. There is no need to write anything down on paper. Nova gives you a fast and detailed option for the documentation of the measurements. Once the video has been captured, you can analyze and complete the report at another location if necessary. And it can also be saved for documentation and tracability.

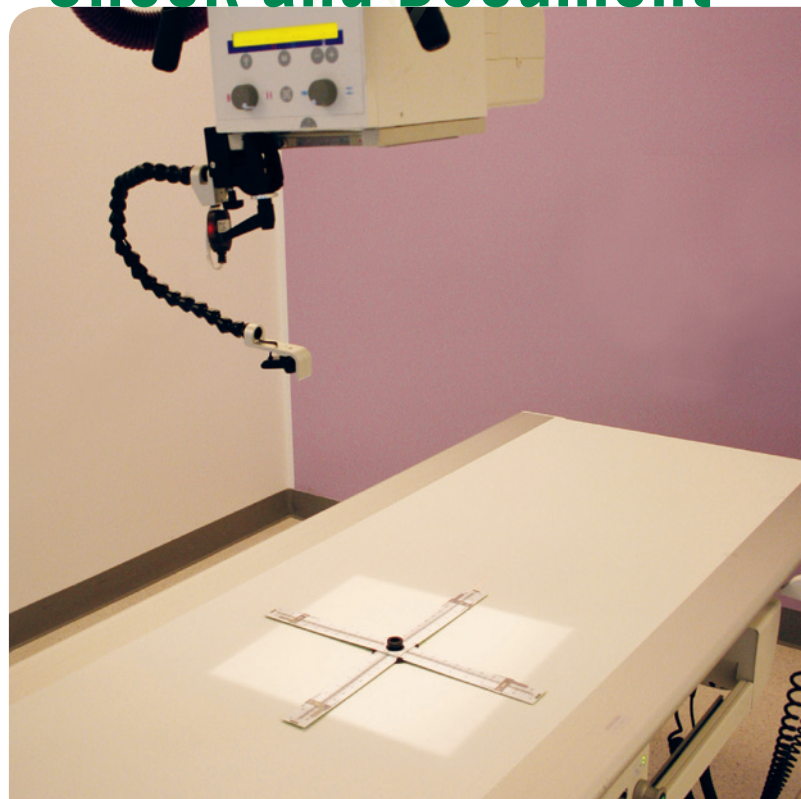
Unique Assistant

A unique solution from RTI Electronics – no other system can give you Nova's superior resolution and documentation capabilities all in one package. Not only a cost and time saver, it is the ideal tool for use in compliance with DIN and IEC standards regarding coincidence between radiation and light fields.

Your NOVA includes:

4 Fluorescing Rulers	Active USB Cable (10meter)
4 Orientation Markers	NOVA Software
Fixation Hub for attaching rulers at 90° angles	Cloth Light Shield
Suction cup	Online Manual
Digital Web Camera with Software	Carrying Case
Camera Positioning Arm	

Check and Document



The Software

Nova comes with dedicated user-friendly software that can be installed and run directly from the enclosed USB. Just Plug-and-Play!

In five simple steps the Light Field, X-ray Field, and the Digital Image are captured and stored by the Nova software. On screen instructions guide you through the process. In addition – a picture of a digital image can also be stored for further evaluation.

Five Simple Steps of Capture and Store

STEP 1. Capture the light field with the camera.

STEP 2. Capture the X-ray-field with the camera.

STEP 3. If desired, capture the digital image.

STEP 4. Select which images to compare and analyze.

STEP 5. Store both images and results.

Store and Analyze

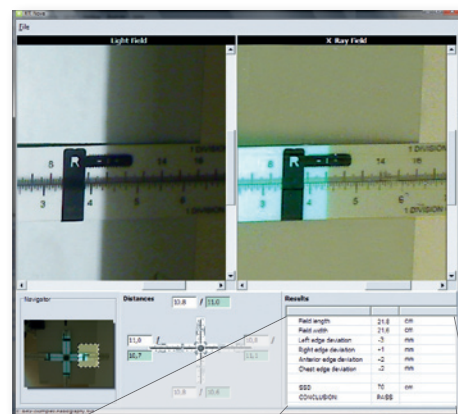
When the images are stored, the evaluation takes place. The Nova software guides you easily with graphical instructions how to measure the deviation between the light field and the X-ray field, or the X-ray field and the digital image. The result is then stored together with the images – of course!

Having both the images and the results stored together is unique and a great advantage. The numerical values help fulfill regulatory requirements. The images can also provide a real benefit when comparing before and after measurements related to service or repair issues.

The Nova software will also analyze the result for you and present deviations and conclusion (pass/fail).



Nova



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	

Scandinavian Quality

RTI Electronics was founded in 1981 when several curious and enterprising students met at Chalmers University of Technology in Gothenburg, Sweden. They saw their vision grow into the beginning of RTI products – today world leading in X-ray QA and Service instrumentation.

There are many reasons why RTI Electronics has become a market leader. Besides fulfilling the highest user demands, products from RTI Electronics are known for cutting edge innovation. Other reasons include our engagement, our expertise accumulated over more than a quarter of a century, and our commitment to doing it right.

We are convinced that You will be satisfied with Your choice of product, and we would like to continue to grow – together with You.

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World Headquarters

RTI Electronics AB
Flöjelbergsgatan 8 C
SE-431 37 Mölndal
SWEDEN

Phone: + 46 31 746 36 00
Fax: + 46 31 27 05 73
E-mail: sales@rti.se
www.rti.se

US Office

RTI Electronics, Inc.
1275 Bloomfield Avenue
Building 5, Unit 29A
Fairfield, NJ 07004
USA

Phone: 800-222-7537
Phone: 1-973-439-0242
Fax: 1-973-439-0248
E-mail: sales@rtielectronics.com
www.rtielectronics.com