



May 2012 Newsletter

Greetings

This month we are pleased to share the latest updates in our products as well as advancements being made within the industry. In our Product Watch section, you will find an article about our newest product line; Matching Transformers. Also, in this issue we are introducing a new section, the *Customer Spotlight* section, each issue will now feature a brief article about one of our customers and how they are using our products.

Product Watch

Featuring E&I's [JT - Series Step up / Step down Transformers](#), offering low cost, flexible solutions to impedance matching. The JT Transformers work over a wide frequency band, allowing you to increase peak to peak voltage without having to increase the power of your RF Amplifier. Due to their compact size, they can easily be placed in close proximity to the load and therefore, minimize any losses due to the Q of your network.

JT – Series Matching Transformers

Model #	Output Impedance (ohms)	Frequency Range
JT - 3	3.125	10 KHz – 5 MHz
JT - 6	5.5	10 KHz – 5 MHz
JT - 12	12	10 KHz – 10 MHz
JT - 25	25	10 KHz – 10 MHz
JT - 100	100	10 KHz – 5 MHz
JT - 200	200	10 KHz – 5 MHz

The JT series is complete with two different options of input power. The standard maximum input power is 150 watts, however, we also offer a high power option for

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Event Calender

This year E&I will be traveling to Germany not once, but twice for the upcoming ISTU and IEEE Conferences.

ISTU 2012

The 12th Annual International Society for Therapeutic Ultrasound Symposium will take place in Heidelberg, Germany; June 10 - 13, 2012. Some of the topics to be covered include: Brain Drug Delivery, Bubble Enhanced Delivery, Cavitation Studies, Transducers and Devices, and Tumor Delivery and Treatment.



The 12th
International
Symposium on
Therapeutic
Ultrasound
June 10-13, 2012
Heidelberg, Germany

IEEE IUS 2012

The IEEE International Ultrasonics Symposium will take place at the International Congress Center in Dresden, Germany; October 7 - 10, 2012. Topic's to be covered at this year's conference include: Medical

each of these transformers. The higher power option is capable of withstanding 500 watts of maximum input power.

In addition to the JT series, we are also in the midst of rolling out our Locked-On Series Switchable Transformers; offering manually select tap settings to provide for maximum power transfer. Look for the full details in our next issue.

Webcast Offer

E&I is currently offering one-on-one [educational webcasts](#), focusing on specifying the product for your individual application. Interested in learning more about our capabilities and industry experience - [sign up](#) today, or [view the pdf here](#). Here is what you can expect to learn:

- How to select the appropriate solution for your application
- Defining your specifications to yield the most efficient and cost effective results
- Identifying the impact of linearity on specific medical applications

If you would like a more in-depth discussion on any of the points raised or any of the spreadsheets emailed to you, please [contact us](#).

Ultrasound in the News

Surviving prostate cancer may lead to long-lasting problems as surgery and radiation have been known to cause serious side effects. Now, according to a new U.K. study, a noninvasive ultrasound treatment may leave survivors without the side effects. Recent trials from the University College in London have found it is possible to obliterate tumor cells without damaging delicate surrounding tissues. The research published in the April 17, [Lancet Oncology](#), showed that using experimental sound waves treatment, known as high-intensity focused ultrasound (HIFU) to target specific cancer sites significantly reduced the risks associated with conventional treatment.

[Read the CBS News Report](#)

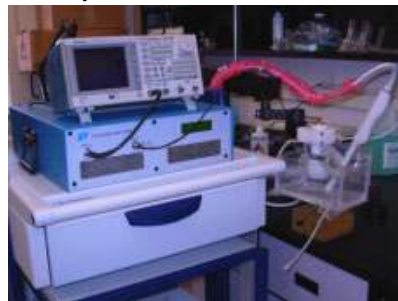
Ultrasonics, Sensors, NDE & Industrial Applications, Physical Acoustics, Micro acoustics, and Transducers.

2012 IEEE International Ultrasonics Symposium
International Congress Center, Dresden, Germany
October 7 - 10, 2012



Customer Spotlight

Interested in seeing how our amplifiers are applied in the medical setting - check out [Ryerson University's website](#), to see the advancements they are making in the world of HIFU. The image below shows an [E&I A150 amplifier](#) working in concurrence with Ryerson's portable image-guided HIFU system.



Would you like to be featured in our next newsletter - please contact [Jen Elkins](#) for more details.

Feedback

As always, we welcome your feedback - all questions and comments can be sent directly to [Jen Elkins](#).

E&I's amplifiers cover all the frequencies required for any ultrasound application, with power levels ranging from 1 watt to 1 kilowatt. You worry about the ultrasound, let us worry about the RF!



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