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ATX WEST

February 14-16, 2012
Anaheim Convention Center
Anaheim, CA
Booth # 4201

[More Delta Tau Events Here](#)



Brookhaven National Lab

Controller Slated for Synchrotron Facility

Brookhaven National Lab is expected to require nearly 6,000 axes of motion inside their third generation synchrotron light source, and selected Delta Tau's [Geo Brick LV](#), a multi-axis controller with low voltage amplifiers, to handle the job. Over 2,000 researchers, from 400 universities, government labs, and private companies are expected to use the synchrotron each year, studying materials ranging from computer chips to biological molecules. The National Synchrotron Light Source-II (NSLS-II) will be the only light source capable of providing scientists with images down to a nanometer in size.

[Learn More](#)

Motion Feature

Gantry Control: The Power PMAC has an optional Gantry Control algorithm which is designed to eliminate skew by



Training Schedule

Power PMAC Training

- Nov 14-18
- January 23-27

Turbo PMAC Training

- Nov 7-11
- January 16-20

Delta Tau also offers customized onsite training at your facility. For more information, [visit our website.](#)



Did you know?

Delta Tau has recently automated the RMA process. No more printing and faxing your RMA request, now, everything is done electronically! Some Key Features include: automatic email notifications with live status updates, ability to upload documents such as pictures and a PO, login access to check status and track RMA's, and auto-

using cross-couple MIMO (multi-input/multi-output) feedback for Gantry applications. There are four independent servo loops per each 2-motor Gantry application. Two major loops are identical to the standard Power PMAC servo loop control algorithms acting on individual Gantry motors and their respective single or dual feedback sensors. Two cross-coupled loops act to correct any possible Gantry skew by measuring any instantaneous deviation of the two position sensors and augmenting the effective control signals in order to eliminate the skew.

New Product Coming Soon! (Q4 2011)

Power PMAC EtherLite

The Power PMAC EtherLite controller is a compact, conveniently packaged, dedicated controller for driving either **MACRO** and/or EtherCAT real-time motion (servo) and I/O networks. The controller communicates to the host PC via Ethernet, or operates standalone, while providing a single-wire connection to any **MACRO** and/or EtherCAT drive, I/O or other peripheral devices.



More 3rd Party MACRO Amplifiers



Delta Tau is proud to announce the recent addition of the **MACRO** (Motion and Control Ring Optical) fieldbus network to Yaskawa's Sigma-V (SGDV) amplifiers! The new **MACRO** SIGMA-V interface accessory (ACC-85M), provides a **MACRO** fieldbus interface between the Sigma-V (SGDV) series amplifiers and Delta Tau **MACRO** based motion controllers.

Some highlights are:

- Offers both Fiber-Optic or RJ45 **MACRO** connections
- Simple rotary switch setting for address selection
- Secondary encoder feedback supporting multiple formats

The Accessory-85M will be supported and available through Delta Tau and will include all necessary mounting and enclosure hardware for installation.

[Learn More](#)

generated shipping labels & packing slips emailed directly to you. Give it a try [by creating an account on our website!](#)



Making your life easier...

Delta Tau provides a web tool that allows you to check the revision level of any product, including sub-assemblies, by entering the product serial number. Go to www.deltatau.com/sn/ and try it out!



Power PMAC IDE Release

(1.4.0.xx)

- *Enhanced System Set-Up
- *PLC Debugger
- *Enhanced Status Control
- *Toolbar for ease of access
- *Project System Tool
- *ModBus Support

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