

Link (China) at the 9th International (Shanghai) Friction Show

The 9th International (Shanghai) Friction and Sealing Material Exhibition took place June 6-8, 2007 in the Shanghai Everbright Convention and Exhibition Center with great success.

The event set a new record this year with over 800 registered delegates, which is approximately a 30% increase from last year. There were 174



exhibitors, of which 20 were from outside China. The event required over 4,500 square meters of show space.

Under the theme of “Innovation, Branding and Trust”, the event also included a series of presentations on the topics of Clutch, Brake and Sealing Material Technologies.

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SAE Brasil 2007 Brake Colloquium

The 8th SAE BRASIL Brake Colloquium was held on May 10th and 11th in Gramado, Rio Grande do Sul State, in Brazil.



During the 2 day meeting, more than 450 participants discussed subjects of top local and international interest.

LINK was among the 63 exhibitors showing the latest technologies from brake systems to components and materials. The Model 3801 Data Acquisition System, and its NVH features, was of interest to the visitors.

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New Link Representative in India

Link Engineering is pleased to announce our new sales representative in India—Blue Star Ltd. We look forward to working with Blue Star in this dynamic market. Blue Star will be fully involved in LINK’s sales, marketing, and other activities. For our customers in India, you should be hearing from Blue Star and you should feel free to contact them about your product or service needs.



Blue Star Ltd. is located in Chennai, India. They have an outstanding reputation in India. As India’s largest central air-conditioning company, Blue Star has a well-established customer-base and much experience

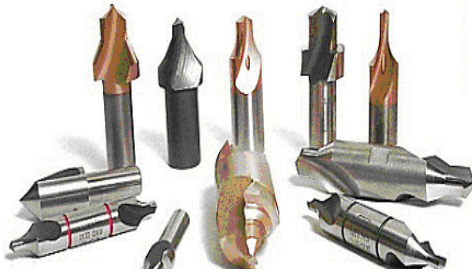
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LINK Cutting Tools

For over fifty years, Link Industries has designed and manufactured the highest quality precision high-speed Center Drills, Combination Drills, Countersinks, and Custom cutting tools. Link tools are models of workmanship. In addition, they provide exceptional value because of our high levels of productivity and efficiency. On the job, our tools have demonstrated outstanding longevity and performance that further enhance their value.



Link Industries has the ability to respond to customer needs with unique tool profiles that allow us to solve a wide range of production tooling requirements. Whether you need a unique design for an unusual application or a special coating to prolong tool life or reduce chatter, we can meet your requirements. 

LINK Representative in India

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in providing service in India. With LINK's successful activities in Korea and China, Blue Star is another strong addition in support of our Asian customers. We are confident that Blue Star will bring its expertise of working with local customers and introduce LINK's state-of-the-art equipment to the Indian market.

For further information contact:

Prem J. Aruliah
Blue Star Limited
Garuda Building
46, Cathedral Road
Chennai, India 600,086
+91-99400-74890
jpremaruliah@bluestarindia.com 

Link Europe and IVM Provide Vehicle Testing Services

Link Europe and IVM have agreed to cooperate in providing vehicle testing services throughout Europe with special focus on noise endurance testing.

This cooperation was presented by Michael Rohde, the General Manager of Link Europe, at this year's Testing Expo in Stuttgart, Germany at IVM's booth.


Typical vehicle endurance testing like the Mojácar route can now be provided as a full service package using the logistics of IVM and the technology from LINK.

The "full service" package comprises:

- Vehicle instrumentation and setup of components
- Transportation to the testing location
- Rental of the Link Model 3801 Data Acquisition System including all sensors needed to perform the test
- Skilled drivers
- On-site support
- Data analysis and reporting

LINK uses the Model 3801 to record and locate brake squeal noises on a vehicle. This system provides a reliable and professional solution to log objective data rather than relying on subjective noise ratings.

As the same system is used for the counterpart of Mojácar, the Los Angeles City Traffic test, it is possible to compare results for global platforms on the main markets with identical set-ups.

For further information please contact *Link Europe* at +49-261-579-8830 or sales@linkeng.com. 


New Color HUD for Model 3501 Introduced to DaimlerChrysler, Chelsea



DaimlerChrysler recently retired their fleet of Monochrome HUDs in use with their Model 3501 Modular Data Acquisition Systems and replaced them with the new Model 3867-DU-X1 Color HUD.

The Color HUD is a high resolution, LCD monitor that provides information to drivers performing vehicle tests. The display communicates directly with the laptop computer. This enables any data being recorded by the Model 3501 to be displayed in real time.

The design was introduced by a request from DaimlerChrysler to provide color-coded instructions, prompts and results on the screen, enabling the driver to remain focused on the road.


The Color HUD can be used for replacement of current Monochrome HUD for the Model 3501 or for various projects requiring a color LCD monitor. 

NUCAP & LINK Hold Open House at NUCAP's Ridgetop OE Facility

On Thursday, June 14 NUCAP and LINK hosted a successful open house at their cooperative test facility in Ontario, Canada. This event



celebrated the joint activities of these two companies providing testing services for the North American braking industry. As Tim Duncan noted in his opening remarks, "We all know in today's very competitive climate we must find ways to make smart investments that offer true winning and innovative solutions. By having this new facility available for you, our customers, we feel LINK & NUCAP have made such an investment."

This cooperative activity is part of LINK's overall program of providing test resources and technical support as close as possible to our customers around the world. With test facilities in the US, Canada, Korea, and Germany and on-going test projects in China, Brazil and Spain, LINK is truly supporting the global braking industry. 


E-Console for Link Testing Laboratories

Link Testing Laboratories has received a Model 3000 Performance Dynamometer utilizing new technology that eliminates the traditional console.



The new E-Console, as shown here, is simply a small control box and a computer. The multi-bay rack type console is no longer necessary. This will be the standard for all new test systems provided by LINK.

In many cases we can also offer this as a retrofit to existing dynos.

The new approach uses control and data acquisition modules mounted on the dynamometer. By doing so, we gain several advantages. Since we immediately convert all analog data signals to a digital format, we greatly reduce noise in the signals. This new approach also saves floor space in your test area or control room. Finally, we have made the installation of the dynamometer easier since there are no longer control and signal lines to run at the customer's site. 


LINK and Brüel & Kjær Run Successful Brake NVH Seminar at Application Research Center



We were pleasantly surprised with the response to the Brake NVH Seminar offered by LINK and Brüel & Kjær in June. Over 100 people expressed interest in the seminar. This unexpected response required us to offer the seminar on three days instead of the planned single day event. With just short of


100 attendees, the seminar was a great success.

The attendees were treated to lectures by Marc Marroquin and Tony Frazer on NVH fundamentals and Jim Thompson on Brake NVH measurements in the laboratory and on the road. Yan Tran, Marc Marroquin, and Tony Frazer also provided demonstrations of advanced measurement techniques. The highlight for many attendees was a tour of the Application Research Center conducted by Dan Thoun to see the state-of-the-art shaft and chassis dynamometers in use there.

The seminar was such a success that it will be offered again at the Brüel & Kjær Sound and Vibration Conference in September along with a more advanced course. For more information on these courses or the conference, contact your LINK sales representative. 

SAE Brasil Brake 2007 Colloquium


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A presentation of great interest was made by Renato Cobra, from GM Proving Ground, about the performance level of brake pads purchased in the aftermarket. This work is inline with the SAE BRASIL Brake Technical Committee that is developing a procedure for a mandatory certification of brake friction parts sold in the aftermarket in Brazil. This technical committee is chaired by Georges Pitseys, director of TRY Testes e Simulações, a LINK sales partner in Brazil. 

Link China Friction Show

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Matt Link, delivered an invited presentation at the conference. He commented on the global friction material testing standards, defining current regulations in each market, while also addressing future market trends and evolving standards. He also demonstrated how LINK can provide the proper tools and support to meet such evolving requirements. A copy of this presentation can be found on LINK's website.

Link China's booth focused on "Innovation, Technologies and Services", and was well attended throughout the show. We are already planning for next year's event. 

**visit our website at
www.linkeng.com**

CALENDAR OF EVENTS

9/11-13/2007 Brüel & Kjær Sound & Vibration Conference; Novi Sheraton Hotel, Novi, MI; www.bkhome.com/seminars

9/12-14/2007 Automotive Testing Expo China www.testing-expo.com/china/

10/7-10/2007 25th Annual SAE Brake Colloquium
Omni Orlando Resort; Champions Gate, FL; Booth 301; www.sae.org/events/bce/

10/21-24/2007 Noise-Con 2007
Grand Sierra Resort and Convention Center, Reno, NV; www.inceusa.org/nc07

10/24-26/2007 North America Auto Testing Expo
The Rock Financial Showplace, Detroit, MI
Booth 14020; www.testing-expo.com/usa/

10/30-11/1/2007 SAE Commercial Vehicle Engineering Congress and Exhibition
Donald E. Stephens Convention Center, Rosemont, IL; www.SAE.org/events/cve/