

PRESS RELEASE

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**Instron at GIFA 2011:
New motorized pendulum impact testing system for increased
productivity and operator safety**



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Instron's new MPX series of motorized pendulum impact testers for energy levels from 300 to 900 J are ideally designed for testing metals meeting the requirements of a complete range of international testing standards.

Image: Instron

Dusseldorf, June 28th, 2011 – At GIFA 2011 Instron highlights its newly developed MPX series of motorized pendulum impact testers. Available in capacities from 300 via 450, 600 and 750, up to 900 J, they are ideally designed for testing metals to Charpy and Izod standards. Thanks to their motor-driven raising of hammer with auto-return after test, all MPX systems are quick and easy to operate for increased productivity and operator safety. An electromagnetic brake/clutch control allows the hammer to be safely dropped, whilst its



dual latch design prevents accidental release and a safety enclosure with interlocks prevents the hammer from dropping and stops movement when any door is open. An adjustable latch height allows for lower pendulum energy/velocity.

Different anvil inserts and strikers are available for a complete range of international testing standards, such as ASTM E23 (Standard Test Methods for Notched Bar Impact Testing of Metallic Materials), EN 10045 (Charpy Impact Testing on Metallic Materials), ISO 148 (Metallic Materials – Charpy Pendulum Impact Test), and GOST 9454 (Impact Bending Test Method at Low, Room, and High Temperatures) as well as for custom applications. The MPX System is CE Compliant.

Standard with each MPX system comes the Windows® XP and Windows® 7 compatible Instron® Fracta™ Software package, designed specifically for testing metals to Charpy and Izod standards. Fracta® allows for simple data acquisition at a data collection rate of 1 kHz, calculation of energy and storing impact test results as .csv files. The system can be easily upgraded to Instron's Impulse™ data acquisition software, which uses load and velocity transducers to provide data collection, analysis, and reporting results. Optionally each MPX system can be equipped with an instrumented Charpy tup and Dynatup impulse data acquisition software, a non-instrumented Izod striker and vise kit, an auxiliary steel base recommended by ISO 148, a foundation attachment kit and mounting template as well as with subsize specimen test supports.

About Instron

Instron is a globally leading manufacturer of test equipment for the material and structural testing markets. A global company providing single-source convenience, Instron manufactures and services products used to test the mechanical properties and performances of various materials, components and structures in a wide array of environments. Instron systems evaluate materials ranging from the most fragile filament to advanced high-strength alloys. With the combined experience of CEAST in designing plastic testing systems, Instron enhances materials testing offerings, providing customers with comprehensive solutions for all their research, quality and service-life testing requirements. Additionally, Instron offers a broad range of service capabilities, including assistance with laboratory management, calibration expertise and customer training.

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