

DSI DELIVERS THE FIRST TWO GLEEBLE 500 SERIES SYSTEMS TO ELITE RESEARCH INSTITUTIONS

Poestenkill, New York, – Dynamic Systems Inc. (DSI), the world leader in the development of thermal-mechanical simulation systems for metallurgical research, announced today the delivery of two all-new simulation systems, the Gleeble 540 Welding Simulator and the Gleeble 563 Thermal Mechanical Simulation system.



Members of the team at DSI pictured with the all-new Gleeble 563 Thermal-Mechanical Simulation system as it completes its final pre-shipment inspection. Gleeble 500 Series systems offer the flexibility and value of Gleeble platform in a smaller footprint.

Gleeble systems have been helping engineers solve material challenges for over 60 years, including characterizing new alloys, optimizing production processes, lowering costs and improving product quality for metallic components when high-performance and reliability are critical requirements.

The Gleeble 500 Series, which includes the recently launched Gleeble 540 and Gleeble 563 are tailored to provide a compact, economical solution for researchers while retaining the world-class capabilities that have made Gleeble systems the industry standard. A sample is placed in the patented QuickJack gripping system and then heated via direct resistance while tensile or compressive force is applied. This heating method provides extremely rapid and precise temperature control, enabling operators to create the desired thermal profile needed to conduct accurate simulations of what the material may experience in the real world or during its production process. **The result is actionable data that researchers can apply to production lines – resulting in significant cost savings, time savings, improved product quality and ultimately greater profits.**

The two new systems were shipped in opposite geographic directions, one was shipped to South America to an elite research laboratory in Brazil while the other remains in the United States. The two organizations come from very different industries with unique areas of focus, however both are interested in high temperature applications and conduct important research to maximize material performance.

In the state of Bahia, Brazil, the Gleeble 540 Welding Simulator will soon be installed at the Center for Integrated Manufacturing and Technology, SENAI-CIMATEC. The organization was inaugurated in 2002 and provides training of highly skilled professionals to work in industrial processes with state-of-the-art technologies. By expanding and upgrading their labs, SENAI-CIMATEC is becoming a center of excellence in welding and metallurgical research and is positioned to support the automotive, chemical and petro-chemical industries in the important Camaçari industrial region and beyond.

The Gleeble 563 has been recently installed at a confidential US-based location and will help the organization elevate their materials research to new heights. Like all of the 500 series of systems, the Gleeble 563 utilizes new touch-screen based control systems. This new user interface makes setting up and running tests much faster and easier than traditional control systems.

James Benway, an Embedded Systems Developer and key member of the R&D team that developed the new series, described the inspiration for the 500 systems, "Usability was placed at the forefront of the design process. The 540 and 563 are based on our next generation control system, allowing unparalleled capability in a small package. New Gleeble plug-and-play technology allows users to effortlessly exchange accessories on their Gleeble system, resulting in more time performing trials and less time spent on setup. From the user interface to the support diagnostics, the control system has been completely reimagined to provide users with a more rewarding operating experience without sacrificing performance."

Gleeble systems provide organizations with a powerful competitive advantage. The lower cost of the 500 Series makes this technology more attainable and allows more organizations to benefit from Gleeble technology to improve product quality, lower costs and accelerate R&D cycles, ultimately leading to greater profits and safer products.

More information on all Gleeble Systems can be found on the company website: www.Gleeble.com

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About Dynamic Systems

Dynamic Systems Inc. (DSI) designs and manufactures the Gleeble® line of material testing and simulation systems. New materials and process improvements can be studied in a laboratory and successfully transferred to plant production lines, reducing the cost, risk and time associated with developing new processes or materials.

"Gleeble" is a registered trademark of Dynamic Systems Inc.

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