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Stack Metallurgical Group Expands Hot Isostatic Press (HIP) Services with Addition of Quintus Technologies QIH-122

Albany, Oregon, July 12, 2021 - Following the successful launch of Stack HIP in 2020, Stack Metallurgical Group (SMG) is pleased to announce the addition of a second Hot Isostatic Press from Quintus Technologies. The addition of the QIH-122 allows Stack to offer the latest high-pressure and rapid cooling HIP technologies, and to better service our partners in the additive manufacturing, medical implant, aerospace, defense, power generation, and other manufacturing industries and their supply chains.

Stack has recently completed the installation of a model QIH 122M URC®, which features a work zone diameter of 26.0 inches (660 mm) and height of 68.9 inches (1,750 mm). The new system follows the installation of a high-capacity Mega-HIP, the QIH 286M URC®, with a 63-inch (1,600 mm) work zone diameter and height of 102 inches (2,591 mm).

The QIH 122, similar to the Mega-HIP, is equipped with the Quintus proprietary Uniform Rapid Cooling (URC®) feature, which combines HIP and heat treatment in a single process. Known as high pressure heat treatment (HPHT), this technology streamlines the steps involved in material densification and heat treatment. HPHT enables the processed components to cool uniformly, helps prevent thermal distortion, and prevents non-uniform grain growth.



Quintus QIH 122-2070 Hot Isostatic Press.

“We are very excited to expand our HIP offerings with the addition of the QIH-122,” stated Doug Puerta, CEO of Stack Metallurgical Group. “The combination of the Mega-HIP and the QIH-122 allows us to offer the largest capacity as well as the latest high-pressure and rapid-cool technologies.”

Brice Winney, General Manager of Stack HIP adds “The market has been very enthusiastic in supporting Stack’s expansion into HIP services. We are thrilled to continue the expansion of our world-class HIP facility.”

Stack HIP is based in a new 25,000 sq. ft. facility in Albany, OR. This is the fourth location for SMG, and complements the heat treating and metal processing facilities in Portland, OR, Spokane, WA, and Salt Lake City, UT. Quintus has their global headquarters in Västerås, Sweden, and is widely regarded as the global leader in high-pressure equipment and solutions.

About Stack Metallurgical Group

About Stack Metallurgical Services, Inc. With a history dating back to 1946, the Stack Metallurgical Group has grown to become the most versatile provider of heat treating and metal processing services in the Pacific Northwest. With its new HIP facility coming on-line in 2019, Stack will offer four Nadcap-accredited locations with a focus on the aerospace, power generation, medical implant, and high-end knife and cutlery markets. The company’s modern and extensive equipment line-up offers a comprehensive portfolio of services for demanding clients throughout North America. With a range of aerospace OEM approvals for heat treatment, Stack has built trusted relationships with aerospace titans like Boeing, General Electric, Consolidated Precision Products, and Precision Castparts. Read more about Stack: www.stackmet.com

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