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For immediate release.

Automated and CE Certified Form Grinder Reduces Scrap Rates

Glebar Company, Ramsey, NJ --- Pre-sintered or green ceramics are brittle materials requiring manufacturers to use precise and delicate processes to ensure the parts maintain their structural integrity. A manufacturer's legacy equipment was breaking the ceramic shafts which increased scrap rates. Glebar partnered with the manufacturer to deliver a new process that integrated with their existing isostatic press. The process had to accurately handle and grind the shafts without any chipping or breaking.

Glebar delivered a fully automated PG-9DHD Centerless Form Grinder. For this application, the PG-9DHD was equipped with a six-axis robot, inspection camera station, cleated conveyor, and gantry. The six-axis robot sensed and transferred six ceramic shafts from the press onto the cleated conveyor. Then the shafts passed through a camera station to ensure that they were defect-free. Lastly, the gantry fed and removed two shafts from the grinder, reducing scrap and maximizing productivity.

The PG-9DHD removed 0.040" of stock material, 0.020" per side, while maintaining a tolerance of +/- 0.001". By grinding two shafts every six seconds, the grinder was able to keep up with the ceramic press.

"Typical Glebar installations have one operator running three or more machines due to the reliability of the automation and overall grinder performance," said John Bannayan, CTO at Glebar Company.

For operator safety and to achieve CE Certification, this PG-9DHD featured an enclosed grinding area and robot station.

Glebar machines can grind most hard to turn materials such as carbon fiber, fiberglass (including G10), Teflon, Santoprene, and polypropylene.

For more information on the [PG-9DHD Centerless Form Grinder](#) visit Glebar's [website](#), email info@glebar.com, or call (201) 337-1500.

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About Glebar Company

Glebar Company (www.glebar.com) is an innovative, vertically integrated, process improvement company that designs and configures its standard platform of modular precision centerless grinding machine systems to provide turnkey, custom solutions for its customers. The company focuses on delivering a process to its customers while maximizing customer return on investment. Founded in 1952, Glebar serves companies all over the world, across many market segments including medical, industrial, aerospace, automotive, consumer goods, and mining. Its machines are known for their precision, longevity, flexibility, and efficiency.

Glebar machines are made to the highest quality and safety standards and are backed by a 24/7 customer service operation which includes a team of technicians, design engineers, and customer service representatives. The company also stocks stand-by inventory of critical parts and tooling for next-day delivery in the U.S., Europe, and Asia. It employs a dedicated applications team conducting research and development activities, customer process enhancement, and pushing the limits of grinding wheel technology. Glebar is an ISO 9001:2015 Certified Company and is ITAR Registered.

In 2020 Glebar Company acquired Electrochemical Grinding (ECG) technology solutions leader Tridex Technology. Both companies offer innovative turnkey manufacturing solutions designed to improve cycle times, maintain quality levels, and allow operators to easily set up and run multiple machines.

For more information about Glebar, call (201)-337-1500, visit www.glebar.com or send an email to info@glebar.com.