



All of our services are backed by more than a century of experience. Our team is standing by to answer all your questions.

JUST CALL JENKINS

There's no challenge, large or small, that our machinists, engineers and technicians can't wait to tackle. That's why across industries, our customers know they can "Just Call Jenkins" for the expertise and help they need at 800-438-3003. Of course, you can also reach out to us 24/7 via email at answers@jenkins.com or stop by during shop hours.

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HYDRO GENERATOR SOLUTIONS



NOW OFFERING COMPLETE HYDRO GENERATOR SOLUTIONS

Jenkins is proud to offer industry-leading hydro solutions, including full-service electrical repair and testing. We've been working with hydroelectric power generation companies for 75 years, taking on repair, rewind and testing services both on-site and in-house.

We also remanufacture consumable parts critical to hydro generator repair such as bushings, wicket gate link and much more. Our skilled team of engineers, technicians, and machinists can assist you with complex projects and large capacity needs.



HYDRO GENERATOR SOLUTIONS

GENERATOR SERVICES

- Hydro generator repair & rewind
 - Stator lamination restack
- Stator & rotor testing
 - Ground testing
 - Insulation resistance testing
 - Polarization index testing
 - RTD testing
 - Core testing
- Engineered uprate studies
- On-site dry ice cleaning
- Surge, hipot & voltage drop testing
- Partial discharge & flux monitoring & testing
- Generator monitoring & protection

GENERATOR & BOP CONTROLS

- Plant control system integration
- Panel building and sensor installation
- Exciter, governor/HPU & pump integration
- Servo motor testing & repair
- Motor starters and control centers
- Transformer testing & rewind
- Relay & breaker testing
- Plant automation & monitoring
- Electrical troubleshooting

REMANUFACTURE CRITICAL COMPONENTS



Bronze bottom ring bushings, cast and machined in-house at Jenkins

When the part you need is obsolete or hard-to-find, the Jenkins foundry stands at-the-ready. We're able to remanufacture from a sample or print, and cast in aluminum, bronze, brass or copper. The ability to create custom parts is critical for hydroelectric generators, especially when you consider that they serve as some of the oldest power plants in the nation, with the average hydroelectric facility operating for 64 years.

PARTS & FABRICATION SERVICES

- Shaft measurement, repair & fabrication
- Collector ring & brush holder fabrication
- Bushings, bearings, housing & wicket gate link fabrication
- ISO 9001 machine shop capabilities
- Non-ferrous castings (aluminum, brass, bronze, copper)



PORTABLE, EFFICIENT AND ENVIRONMENTALLY SAFE ONSITE WELDING

As a distributor and user of the H2O Weld Gas Generators, we understand the need for efficient and environmentally safe soldering and welding at hydro locations. The H2O Weld machine produces a neutral and concentrated flame for high quality and accurate welds. Powered by distilled water, the H2O Weld Generator has no risk of explosion and doesn't present any harmful substances.

- The combustion of hydrogen and oxygen produces water vapor, with no CO2 emissions.
- The operator doesn't need to wear special glasses.
- Cost savings are 80- 90% compared to traditional systems.
- Hydrogen and oxygen are premixed and the flame is perfectly regulated.