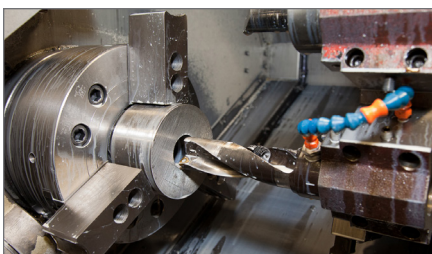


Nova

Products and Services

**CURTISS -
WRIGHT**

Nuclear Power Products and Services



Nova, a product and service brand of Curtiss-Wright Nuclear, supplies ASME Code, safety-related, and commercial grade fasteners and precision-machined components. We offer HydraNut® bolting systems, tensioning solutions, PlasmaBond® engineered surfaces, electrical connection products, safety-related construction products including UNISTRUT metal framing system, supply chain management, obsolescence solutions, reverse engineering, and custom manufacturing services. Our engineered products include HCU accumulators, core plugs, and control rod drive rebuild kits.

Since 1984, we have delivered products and services that maximize up-time, reduce operating costs, and improve safety. Our innovative products are changing the face of the nuclear power industry by accelerating closure time for reactor vessel heads, steam generators, circulating and coolant pumps, and valves; increasing plant efficiencies; and reducing worker radiation exposure.

Nuclear
CWNUCLEAR.COM

Fasteners

- Bolts: hex, heavy hex, locking, shoulder, bent, eyebolts, U-bolts
- Nuts: hex, heavy hex, locking, wing, cap
- Pins: headed, headless
- Rivets
- Screws: hex head cap, hex socket head cap, heavy hex, button head, 12-point, tapping, machine
- Set screws
- Studs: double end, fully threaded
- Washers: fat, lock, tab

Construction Products

- UNISTRUT® safety-related metal framing systems
- COPE® cable trays
- Concrete anchors
- Embed anchors
- Structural bolting
- Pipe supports, hangers, accessories

Bolting Solutions

- HydraNut™ bolt tensioning system
- Tensor bolt tensioners
- PlasmaBond™ metal film lubricant
- Nut runners
- Stud runners
- Lifting devices for studs, nuts, washers
- Stud racks for single and multiple studs
- Elongation measuring systems
- Tensioning, detensioning services

Precision Machined Components

- Valve stems, plugs, fittings
- Pump shafts
- Valve studs, nuts
- Pump studs, nuts
- Primary manway closure studs, washers, nuts
- Explosion bolts
- Flanges
- Reactor Coolant Pump Main Flange studs, nuts
- Reactor Vessel Main Flange studs, nuts, washers
- Impeller screws
- Turbine bolts, studs, washers, nuts

Electrical Interconnection Devices

EGS

- BLUEBOOT Splice Series
- Compact Splices - CANDU and PWR/BWR
- Conduit Seals
- Conformal Coating (PECC)
- Electrical Conduit Seal Assemblies (ESCA)
- Electrical Penetration Assemblies (EPA)
- Electrical Splicing Tape
- Flexible Metal Conduits
- GRAYBOOT Racks
- GRAYBOOT Splice Series
- GRAYBOOT "A" Splice Series
- Hard Line Connectors
- Hi/Lo Pressure Seals (for Seal Table)
- Quick Disconnect Connectors (QDC)
- Quick Disconnectors Gen. 3 (QDC)
- Special Cable Assemblies
- Splice Racks
- Temperature Switches
- Thread Sealant (P-1)

Supply Chain Management Services

- NSA Services: Inventory management, Parts management
- Utility Stock Exchange database
- Spare parts identification and cataloging
- Standardization programs

Engineering/Technical Services

- Nuclear application experienced engineers and technical staff
- Reverse engineering
- Obsolescence solutions
- Commercial Grade Dedication (CGD)
- 24/7 technical support

Manufacturing Capabilities

- CNC turning: Up to 10" diameter and 10' length
- CNC milling
- Thread rolling: Up to 6" diameter
- Cylindrical and surface grinding
- Hot and cold forging
- Screw machining
- Welding and fabrication
- Laser and hard stamp part marking
- Wire and die sink EDM
- Bending
- Manual turning/milling

On-Site Laboratory and Testing Capabilities

Chemical Analysis

- Spectrometer-optical emissions
- X-ray fluorescence alloy analysis

Mechanical Testing

- Tensile testing
- Hardness
- Charpy impact
- Torque-tension

Metallurgical

- Micro-hardness
- Decarburization

Dimensional Inspection

- Coordinate measuring machine (CMM)
- Faro Arm
- Metrology Lab
- VICIVISION laser inspection system

Non-Destructive Testing (NDT)

- Magnetic particle
- Liquid penetrant
- Ultrasonic testing



Quality Standards:

- 10CFR50 Appendix B; 10CFR21
- ASME NQA-1
- ASME Section III
- NCA 3800 (QSC)
- ANSI N45.2
- CSA Z299.1, Z299.4 (Canada)
- ISO 9001: 2008
- EPRI NP-5652, TR-102260, TR-017218-R1
- MIL-1-45208, MIL-STD-45662, MIL-STD-271

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