

POWER DISTRIBUTION SERVICES

Circuit breaker reconditioning services

Maximize circuit breaker investments with reconditioning services for low-voltage and medium-voltage power circuit breakers.

Why reconditioning services?

Because circuit breakers have moving parts, they are the switchgear components most likely to wear out over time and potentially cause an outage. With reconditioning services, you can avoid such unintended consequences by optimizing the reliability and safety of your existing circuit breakers while extending their useful life.

Reliable switchgear is vital for facility operations, but completely replacing these systems can require significant capital investment. Maximizing your initial switchgear and breaker expenditures with reconditioning services will:

- Extend the life of your switchgear
- Eliminate the need for complete switchgear replacement
- Improve safety
- Increase the reliability and performance of your breakers and your entire operation
- Reduce operating and maintenance expenses
- Allow for upgrades

Siemens can help you minimize long-term operating expenses by resolving breaker related issues before they become a problem.

Why Siemens?

Siemens operates circuit breaker maintenance shops specializing in the repair and refurbishment of medium- and low-voltage power equipment. Our Complete Refurbishment solution offers a total rebuild from the bottom up to renew the life cycle of your circuit breaker, ensuring the highest level of reliability and performance possible.

With a Complete Refurbishment each unit is stripped down to the core components and taken completely apart before cleaning, replating, repainting, and lubricating every piece to return the equipment to like new condition.

Siemens' Complete Refurbishment process includes:

- Thorough incoming inspection
- Documentation
- Complete disassembly, inspection, cleaning, lubricating, and refurbishment of all components
- Reassembly of the breaker
- Optional upgrades including installation of state-of-the-art trip units and changing CTs
- Mechanical and electrical operation testing performed to original manufacturer and IEEE standards

usa.siemens.com/reconditioning



The **Complete Refurbishment** solution is backed with a one-year limited warranty on parts and labor.

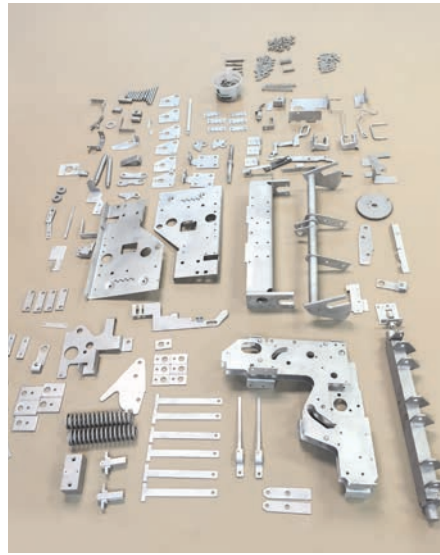
- Our Complete Refurbishment solution offers a total rebuild from the bottom up to renew the lifecycle of your breaker to ensure reliability and performance.
- Circuit breaker trip units can be updated with modern equivalents.
- For applications that don't require a total rebuild, our Preventative Maintenance Cleaning and Testing service is available, as well as tailored reconditioning and upgrade solutions to fit your needs.

With a Complete Refurbishment each unit is stripped down to the core components and taken completely apart before cleaning, replating, repainting, and lubricating every piece to return the equipment to like new condition.

Plated metal parts are cleaned, sandblasted, and replated; painted parts are cleaned, sandblasted, prepared, and powder coated; copper is polished, and silver plated if required; and plastic is replaced if needed. We lubricate all moving parts and joints within the core of the mechanism per manufacturer standards and recommendations. All standard retainers, nuts, bolts, and miscellaneous hardware are completely replaced.



Example of parts before cleaning



Example of metal parts after cleaning, prior to replating



Example of metal parts after replating

Siemens offers reconditioning solutions for most manufacturers' brands and models to restore circuit breakers to like new condition.

Contact Siemens for all your breaker repair and reconditioning service needs. Additional options to facilitate minimal downtime during the reconditioning process, include:

- Loaner circuit breakers - utilize loaner circuit breakers to streamline a rotational schedule when recondition a large number of breakers.
- Spare circuit breakers - purchase additional spares, including breakers that are no longer in production.

Legal Manufacturer

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