

**Circuit Breaker Sales Co., Inc.**, a **Group CBS** company, specializes in the sale and service of low- and medium-voltage circuit breakers and other electrical power distribution equipment. From our modern 200,000-square-foot facility, we provide new, surplus, obsolete, and remanufactured electrical equipment and replacement parts from the largest inventory in the U.S.



**Our inventory includes** thousands of low- and medium-voltage circuit breakers – virtually every type manufactured in the U.S. since World War II. We will rent just about anything in our inventory.

**We also have millions of replacement parts in stock.** Our experienced engineers and technicians can supply you anything from a circuit breaker charging spring to a complete unit substation, either new, surplus, or remanufactured — and do it fast!

**Life-extension services are our specialty.** By utilizing the latest technologies, coupled with our many years of experience and modern shop facilities, we can cost-effectively upgrade your apparatus via retrofit, retrofill, or matching existing lineups.

**Quality is free at Circuit Breaker Sales!** Circuit Breaker Sales is ISO 9001:2008 certified. We have comprehensive quality-assurance procedures and full electrical-testing capabilities, including an in-house 200kV impulse generator to test BIL withstand. Circuit Breaker Sales is also ISO 14001 environmentally certified.

**Circuit Breaker Sales is a charter member of PEARL** - the Professional Electrical Apparatus Recycling League, a member of RIC - Remanufacturing Industries Council, and an involved member of NFPA, NETA, IEEE, MERA, and many other organizations.

**As the Group CBS flagship company,** we provide you access to the industry's largest inventory of low- and medium-voltage apparatus and parts, plus on-site service and comprehensive shop repair, remanufacturing, and life-extension capabilities.

**For shop and on-site field servicing of Class 1E safety-related low- and medium-voltage switchgear and circuit breakers,** contact our affiliate CBS Nuclear Services, Inc.



Finley Ledbetter, CEO  
and Chief Scientist,  
Group CBS



Bill Schofield,  
President



Sam Endres, Vice  
President of Engineering



Sandy Hess,  
Assistant Controller



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Safety Manager



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Tim Brewer, Parts  
Department Manager



Tommy Trammell,  
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Vincent Guy,  
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Cody Perryman,  
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Glen Dangelmayr,  
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Kyle Fincher, Engineer



Latrisha Hughes, Parts  
Department Office  
Manager/Sales Associate



Mark Jenkins,  
Technician



Teresa Sprouse, Sales  
Associate/Office Manager



Jessica Reiter,  
Controller/HR Director

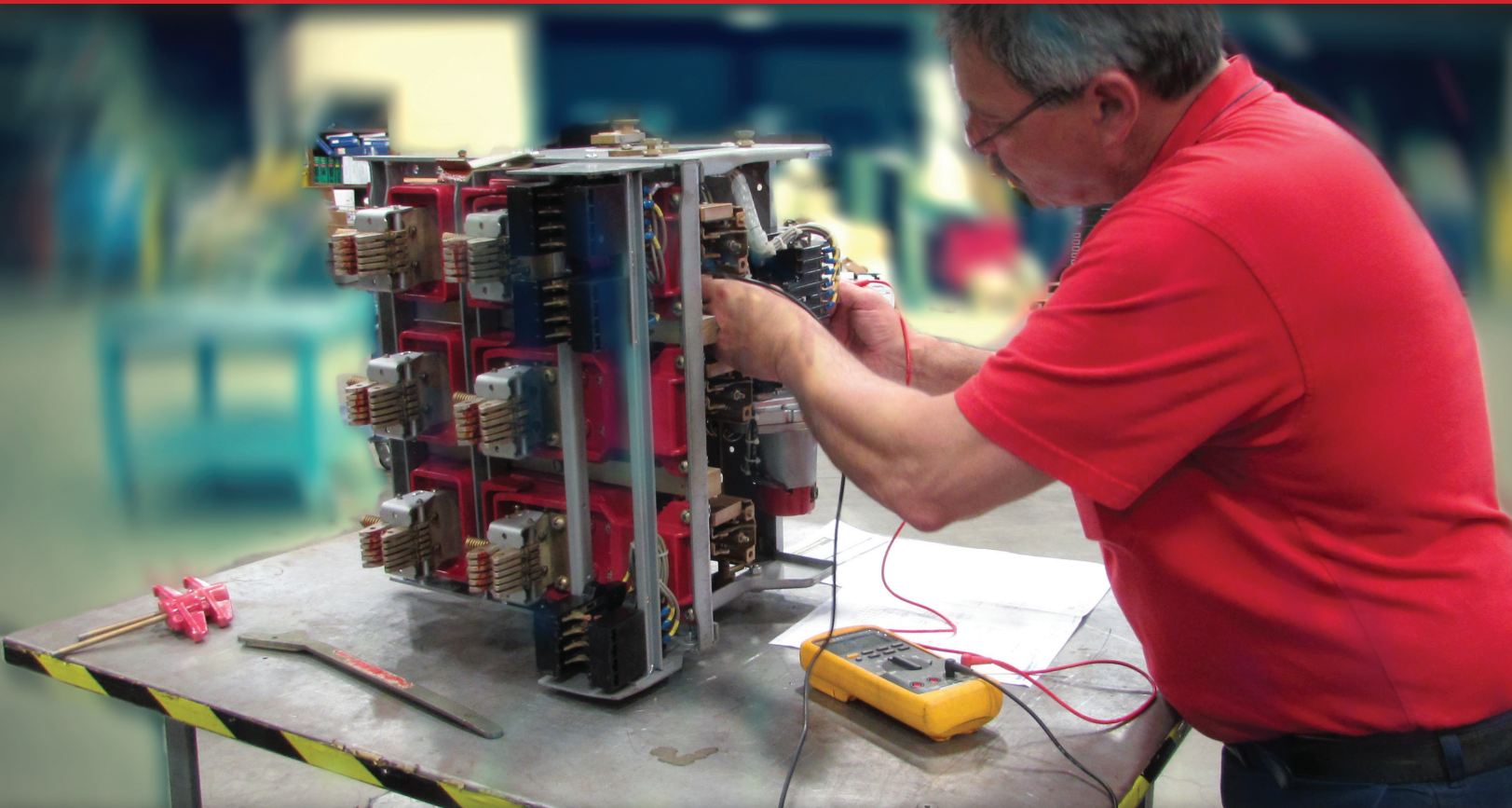


Christy Schutt,  
Shipping Manager

# CIRCUIT BREAKER SALES CO., Inc.

A Group CBS Company

New, Surplus, and Remanufactured Power Distribution Equipment and Replacement Parts



Shop Repair, Reconditioning, and Life-Extension Services | On-site Emergency/Disaster Repair and Recovery Services



**CircuitBreaker.com 800-232-5809**





# SHOP SERVICES & ELECTRICAL ENGINEERING

## SHOP SERVICES

### Life Extension/Retrofit/Retrofill

CBS' life-extension programs will extend the useful life of your obsolete switchgear, motor controls, and circuit breakers. This includes raising interrupting capacity, increasing equipment reliability, matching your existing switchgear lineup, providing solid-state trip units, and offering retrofit and retrofill solutions. We can help you get even more value out of your switchgear investments.

Our capabilities include:

- Upgrade your low-voltage circuit breakers by retrofitting them with a solid-state trip unit.
- Upgrade low-voltage circuit breakers with vacuum interrupters to increase life in motor-starting applications.
- In many situations, we can install a retrofit kit that will replace your obsolete low-voltage power circuit breaker with a modern insulated case circuit breaker, which has a higher interrupting capacity and modern solid-state electronics.
- Medium-voltage motor control can be upgraded with a new GE Multilin motor relay.
- Low-voltage motor control buckets can be replaced with our UL-listed replacement products.
- Large low-voltage motor control can be retrofitted with vacuum interrupters to extend their life.
- Replace your obsolete medium-voltage breaker and drawout cell assembly by installing our retrofill modules that will provide you with a new breaker and cell.
- Upgrade or replace your discontinued medium-voltage circuit breakers with vacuum roll-in replacements.
- Retrofit your obsolete medium-voltage air circuit breaker with a vacuum circuit breaker that has the same truck assembly.
- Install replacement cast-resin power transformers.
- We can provide a matching switchgear lineup to add feeders to an obsolete substation.



### Remanufacturing/Reconditioning/Repair

Depending on our customers' equipment needs, CBS provides a range of remanufacturing, reconditioning, and repair services for all types of electrical equipment. Our remanufacturing services include the disassembly, visual and mechanical evaluation, component replacement or reconditioning, testing both before and after the remanufacturing process, all standard maintenance procedures as dictated by the OEM, and full documentation of test results and equipment performance after the remanufacturing process is completed. This ensures that your equipment will perform as well or better than it did when it rolled off the assembly line.



## ELECTRICAL ENGINEERING

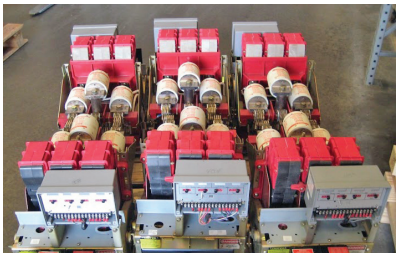
Our electrical engineering department can design hardware to upgrade and retrofit your existing switchgear, design matching switchgear for expansion projects, and reverse engineer hard-to-find, obsolete, and foreign equipment. Our engineering staff has hundreds of years of combined experience designing switchgear, panelboards, and motor control centers for applications ranging from indoor installations to outdoor and safety-rated nuclear gear. Using our state-of-the-art design facilities — which include 3D printing, fast prototyping, coordinate measurement machines (CMMs), and HAAS lathes — along with our in-house metal fabrication and manufacturing centers, Circuit Breaker Sales' engineers can quickly design and manufacture any replacement part or specialty gear you need — without the long lead times common to larger OEM suppliers. When you need controls, circuit breakers, and switchgear rated up to 38kV, give Circuit Breaker Sales a call. Night and day, weekends and holidays, we are here to help.

# POWER DISTRIBUTION EQUIPMENT New, Surplus, Remanufactured

CBS is your single source for all your low- and medium-voltage power distribution products.

### Circuit Breakers

We supply new, surplus, and remanufactured low- and medium-voltage circuit breakers of all types and all manufacturers. Whatever breaker you require, CBS has it: molded case, insulated case, air power, and vacuum.



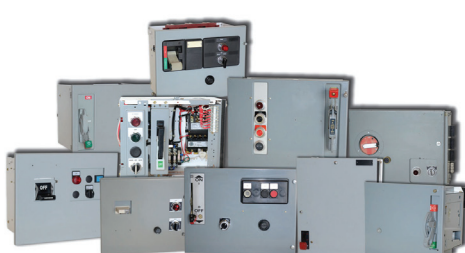
### Switchgear

At CBS, we work with virtually any manufacturer's switchgear and can provide new or remanufactured switchgear, or we can match your obsolete or old switchgear with new GE PowerVac and WavePro breakers.



### Motor Controls and Contactors

We supply all manufacturers' new and remanufactured low- and medium-voltage motor controls, replacement MCC buckets, contactors, and other components and parts. Vacuum retrofit and retrofill solutions are also available.



### Load-Break Switches

Our line of fused and non-fused load-break switches can be stand-alone or



close-coupled to a transformer. They can be supplied as a completely housed unit or just as a component. Let us know your switch requirements, and we can provide pricing information.

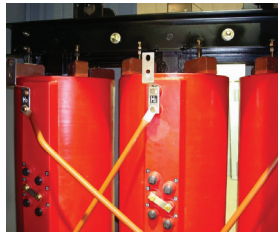
### Protective Relays

We stock thousands of protective relays and repair parts for protective relays, from simple overcurrent induction disk types to complex relays for utility transmission and distribution systems. Renewal parts for older relays are our specialty.



### Power Transformers

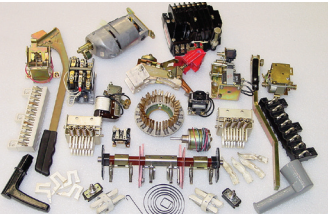
We supply dry-type, cast-coil, and liquid-filled power transformers ranging from 1000kVA to 5000kVA with primary voltages from 2400V to 34.5kV. We specialize in custom fabrication to fit your existing



application and physical constraints, and our manufacturing facility can duplicate any equipment quickly and efficiently.

### Renewal and Replacement Parts

We stock millions of renewal parts for all



types of power distribution equipment, including hard-to-maintain

switchgear, circuit breakers, and motor controls. From the simplest to the most complex, we have them all: vacuum interrupters, charging motors, charging handles, closing solenoids, contacts, load-tap changer contact kits, springs, trip devices, instrument transformers, control components, and much more.

### Electrical Equipment Shelters

CBS custom designs and builds electrical equipment shelters to meet your unique site requirements. Our shelters offer an environmentally controlled interior to maintain safe operating temperatures for all installed electrical equipment. Take the headaches out of your enclosure projects by using CBS as your single-source point of contact.



### Remote Racking and Switching Systems

Remote circuit breaker racking systems and remote switch actuators reduce the need for full-body arc-flash hazard suits by taking technicians outside the arc-flash boundary. Universal remote racking systems offer adjustable height settings, do not require modifications to switchgear, motor controls, or circuit breakers, and are available for virtually any style or piece of electrical equipment.

