Since its founding in 1983, Benshaw has grown to become a world leader in the design, development and manufacture of advanced industrial motor controls and drives. With more than 250,000 units installed and operating, Benshaw products now blanket the globe. More importantly, when the application is critical, and the environment harsh, more customers specify Benshaw than any other brand.

COMPLETE FAMILY OF PRODUCTS

Although many in the industries have come to know Benshaw through our global leadership position in solid state motor control technologies, we also manufacture a complete line of electro-mechanical controls and drives. Today, Benshaw is widely recognized as a world leader in mission-critical control and protection.

Benshaw’s ISO 9001 certified motor control manufacturing facilities produce:

- Full voltage controls
- Variable frequency drives
- Pump control panels
- Power factor correction products
- Low voltage solid state starters
- Medium voltage controls
- Medium voltage switchgear
- Medium voltage drives

Benshaw products feature advanced motor control and protection functionality, an easy-to-use interface, exceptional input/output flexibility and connectivity across most major communications protocols. Benshaw invests heavily in motor control research and development and utilizes state-of-the-art production and process control technologies to achieve the highest possible quality at the lowest possible cost.
It absolutely has to be from Benshaw.

RUGGED. RELIABLE. READY.
Benshaw has extensive experience in the design, production and installation of mission-critical controls for heavy-duty continuous process industries, and that experience is reflected in every product we build. We design our products for durability, and we test them rigorously to ensure the highest degree of reliability. Parts and materials are inspected, tracked and kitted per ISO 9001 protocols to ensure timely, accurate processing of orders.

WORLDWIDE ENGINEERING, INTEGRATION, RETROFIT AND MODERNIZATION SERVICES
Benshaw is widely recognized as a leading provider of innovative motor control technologies. We thrive on complex applications and work diligently to bring cost-effective engineered solutions to our customers.

REGIONAL SUPPORT
Dedicated, knowledgeable technicians are available to answer your questions before, during and after the sale. Repairs, spare parts, field engineering, technical training services—whenever and wherever needed—are all part of our commitment. By focusing our efforts on the design and production of high quality motor control products and by exceeding your expectations for service and support, we hope to earn your confidence and your continuing business across the full range of controls and drives we manufacture.
Benshaw offers a wide range of standard and engineered variable frequency drives from 1 to 700 horsepower. Benshaw drives are rugged, reliable and easy to use, featuring intuitive menu-driven programming and robust power sections to support your toughest applications. In addition, Benshaw provides engineered solutions for any variable frequency drive application, including NEMA 12/4/3R packages, 18-pulse systems, two- and three-contactor bypasses, custom control logic and any modification you specify.

**FULL VOLTAGE CONTROLS**

Benshaw offers a complete line of contactors, overload relays and full voltage starters. All units are UL and cUL listed, IEC or NEMA rated and backed by the industry’s only two-year factory warranty. Benshaw contactors have the highest mechanical and electrical operation ratings in the industry and are designed with user-friendly features such as universal coils and extra auxiliary contacts. Contactors and overloads can be packaged for any electro-mechanical application, including full voltage, wye-delta, reversing, part winding and two-speed applications.

**LOW VOLTAGE VARIABLE FREQUENCY DRIVES**

Benshaw offers a wide range of standard and engineered variable frequency drives from 1 to 700 horsepower. Benshaw drives are rugged, reliable and easy to use, featuring intuitive menu-driven programming and robust power sections to support your toughest applications. In addition, Benshaw provides engineered solutions for any variable frequency drive application, including NEMA 12/4/3R packages, 18-pulse systems, two- and three-contactor bypasses, custom control logic and any modification you specify.

**LOW VOLTAGE SOLID STATE STARTERS**

Benshaw is widely recognized as the world leader in solid state starter technology. Benshaw’s latest generation of intelligent low voltage starters combines a rugged, reliable power section with the most advanced motor control and protection features in the industry.

- **MX2** — Single board design with integrated motor protection, communications, diagnostics and high performance motor control.
- **MX3** — Includes all of the advanced functions of MX2 with the addition of expanded I/O, real-time clock, zero sequence ground fault and patented CYCLO control.

Benshaw provides complete engineered low voltage packages from 1 to 3,000 horsepower, 120 to 600 VAC (1000 VAC optional).
MEDIUM VOLTAGE VARIABLE FREQUENCY DRIVES
Benshaw has developed, designed and built the first Modular Multilevel (M2L) Medium Voltage Drive. The M2L drive topology allows for unprecedented design flexibility to allow customers to have the best solution on the market with the lowest cost of ownership. The M2L drive has been designed with safety in mind, as separate outdoor transformers are encouraged, and arc flash sensing comes standard in all inverters. Benshaw’s M2L medium voltage drives have been in operation for over five years and have been UL certified to the latest design standards.

MEDIUM VOLTAGE CONTROLS
Benshaw designed and manufactured the first production medium voltage solid state starter in 1988 and today has over 4,000 units installed worldwide. As the global leader in 2300 to 15,000 V solid state starters, Benshaw has pioneered every major innovation in medium voltage power electronics. Benshaw medium voltage controls are fully integrated, programmable, NEMA Class E2, combination solid state starters. This UL listed design includes control and power electronics, bypass and isolation contactors and a fusible load break switch to reduce maintenance and operating costs compared to other starting methods. Benshaw engineers medium voltage starters and fully integrated control lineups from 2,300 to 13,800 volts, up to 30,000 horsepower.

MEDIUM VOLTAGE SWITCHGEAR
Benshaw now has a complete line of medium voltage switchgear that transitions seamlessly into existing Benshaw medium voltages line-ups. Only Benshaw allows for true customization including controls and metering without an extended lead time. Benshaw engineers medium voltage switchgear from 2,300 to 13,800 volts, up to 3000 A.
SERVING YOUR MOST DEMANDING APPLICATIONS WITH SPEED, PRECISION AND RELIABILITY

STANDARD PRODUCTS
Benshaw offers an extensive line of cost-effective standard controls and drives… serving a broad spectrum of industries and applications:

- Aggregate and mining
- Oil production
- Lumber
- Metals
- Agriculture
- Power generation
- Chemical processing
- Food production
- Paper manufacturing
- Printing and packaging
- Municipal fresh and waste water treatment
- Transportation

Benshaw’s standard products are stocked in warehouses in the USA and Canada… ready for shipment to support your critical needs.

CUSTOM-ENGINEERED PRODUCTS
When a standard product doesn’t fit your requirements, Benshaw’s design and engineering teams can help tailor a solution that does, no matter how complex or demanding the application.

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Taking care of our customers’ power needs has been our single focus for 88 years. Our two leading brands bring innovative control and electrical solutions to solve your challenges. Through thousands of systems in a broad array of applications, we’ve learned what it takes to make your system live up to its potential.

At a glance: With facilities in 12 countries, we combine the convenience of local service with the economies-of-scale and efficiency of a large global organization.

Innovative solutions via technology:
We bring you mission-critical motor control and protection products, designed and built with expertise and precision to maximize your output and minimize downtime.

Engaged and knowledgeable: We like to think of ourselves as “Application Smart,” which always includes critical dependencies such as standards, compliance and regulatory issues.

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