

INNOPROM Showcase: XICHI Exhibits Advanced Technology as a China Motor Soft Start Solution Provider



Xian, Shaanxi Oct 22, 2026 ([Issuewire.com](https://www.issuewire.com)) - The INNOPROM International Industrial Trade Fair in Yekaterinburg, Russia, serves as a vital procurement window across Eurasia. As a key regional platform for technical exchange and commercial collaboration, this year's event gathered engineering professionals and system integrators seeking reliable motor control solutions. Representing the Shaanxi industrial delegation, [XICHI \(Xi'an XICHI Electric Co., Ltd.\)](#) presented its motor control technologies and application capabilities to engineering professionals, system integrators, equipment manufacturers, and industrial users.

Industrial facilities depend on large electric motors to drive centrifugal pumps, compressors, fans, conveyors, and other critical equipment. Direct-on-line starting can generate starting currents several times higher than the motor's rated current, potentially causing voltage fluctuations and significant mechanical stress on motors, gearboxes, couplings, pipelines, and driven equipment. Soft starting technology addresses these challenges by controlling the voltage and current applied during motor acceleration, allowing motors to reach operating speed more smoothly while reducing electrical and mechanical impact. As a [China motor soft start](#) solution provider, XICHI highlighted its medium- and low-voltage soft starters and demonstrated how its motor starting technologies can be adapted to different power levels, operating environments, and industrial applications.

Medium- and Low-Voltage Soft Starters for Diverse Industrial Applications

At the exhibition, XICHI presented a range of soft starter products designed for different motor ratings and application requirements. Low-voltage products, including the CMC-LX, CMC-HX, CMC-MX, and XST260 series, demonstrate the company's established capabilities in industrial motor starting and control. These products incorporate thyristor-based power control, current sensing, bypass control, and intelligent monitoring functions to support reliable motor acceleration and deceleration.

The product portfolio, however, extends beyond conventional low-voltage applications. XICHI also provides medium-voltage soft starting solutions for higher-power industrial equipment, where starting performance, thermal management, insulation design, and system reliability become increasingly important.

This broader product structure allows XICHI to approach motor starting requirements according to actual application conditions rather than simply selecting a starter based on motor power. Depending on the project, factors such as voltage level, motor capacity, load characteristics, starting frequency, ambient conditions, and control requirements can all be considered when developing the appropriate soft start solution.

Communication and control functions further support integration with industrial automation systems. Depending on the product configuration, XICHI soft starters can interface with plant-level PLC, DCS, and other control systems, allowing operating parameters, motor status, alarms, and fault information to be monitored as part of a centralized industrial control architecture.

Proven High-Power Applications from 4,500 kW to 6,500 kW

One of the key capabilities demonstrated by XICHI is its experience in high-power motor starting applications. In demanding industrial sectors, starting a motor rated at several thousand kilowatts requires considerably more than basic voltage ramp control. The solution must account for high starting current, motor characteristics, system capacity, thermal stress, mechanical load behavior, and the operating conditions of the entire electrical system.

XICHI's products have been successfully applied in high-power scenarios ranging from petrochemical high-voltage generators and natural gas compressors to nuclear power water pumps and semiconductor centrifugal compressors. They have also been deployed in pipeline heat-tracing applications on offshore oil platforms, with mature applications covering equipment in the 4,500 kW to 6,500 kW range.

These applications demonstrate XICHI's ability to develop and deliver motor starting solutions for high-power equipment operating under complex industrial conditions. They also reflect the company's experience in adapting soft starting technology to different industries, load characteristics, and system requirements.

Engineering Adaptation for High-Altitude and Extreme Environments

Beyond motor power, operating environment is another critical factor in soft starter engineering. High-altitude applications present specific challenges because reduced air density affects heat dissipation, while large temperature differences can place additional demands on electrical components and thermal management.

For XICHI, high-altitude applications require optimization of the internal electrical structure rather than simply applying standard products at different elevations. This type of engineering adaptation is an important part of the company's approach to extreme-environment applications.

XICHI equipment has been applied at elevations ranging from approximately 2,000 meters to as high as 5,600 meters, including projects in Qinghai, Tibet, and Xinjiang. In mining, new-energy, transportation, and other industrial projects, XICHI's core products—including variable frequency drives, soft starters, and power quality equipment—are designed to maintain stable operation in environments characterized

by thin air, substantial temperature variations, and other demanding conditions.

This experience enables XICHI to provide customized solutions according to site elevation, ambient conditions, electrical requirements, and equipment characteristics. Whether the application involves a high-altitude mining project or an industrial installation in a harsh operating environment, the solution can be adapted to the specific engineering conditions rather than relying solely on standard configurations.

Expanding Global Motor Control Capabilities Through Technical Collaboration

XICHI's participation in INNOPROM reflects its ongoing efforts to strengthen communication with international engineering companies, system integrators, equipment manufacturers, and industrial users. The exhibition provided an opportunity to introduce not only individual soft starter products, but also the company's broader engineering capabilities in motor starting and industrial motor control.

With experience in applications across different industries, power ranges, and operating environments, XICHI continues to expand its ability to provide customized motor soft start solutions for international markets. From conventional low-voltage motor applications to medium-voltage and multi-megawatt equipment, and from standard industrial sites to high-altitude and other extreme environments, the company's focus remains on developing reliable solutions that correspond to actual project requirements.

Industrial users, system integrators, panel manufacturing facilities, and industrial equipment distributors seeking medium- or low-voltage soft starters, high-power motor starting solutions, or customized motor control configurations are encouraged to contact engineering specialists through the official corporate website: <https://www.xichielectric.com/>



Media Contact

Xi'an XICHI Electric Co., Ltd.

*****@xichielectric.com

<https://www.xichielectric.com/>

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