

Auma supplies a solar-powered electric actuation solution for unmanned valve operation

Auma is commissioning a solar-powered electric actuation solution for the BPCL-MMBPL (Mumbai-Manmad-Bijwasan Pipeline) at two different locations. This is the first instance in which Auma is commissioning a comprehensive solution of 24V DC explosion-proof actuators with flameproof solar panels, lithium-ion batteries, solar chargers, and GPRS/GSM-based modules for remote communication.

The solution will allow remote operation of MOVs at the site, ensuring continuous power availability and 24/7 remote monitoring of MOVs.

Auma actuators for Har Ghar Jal Scheme

Auma has been a prominent supplier of electric actuators for the water distribution network under the Har Ghar Jal Scheme, a Government of India initiative aimed at providing all rural households with Functional Household Tap Connections (FHTCs) across India.

Auma has supplied about 2,000 weather-proof actuators, both with and without integral control, to the State Water & Sanitation Mission in the Badaun, Barabanki, and Bahraich districts of Uttar Pradesh under the UP Jal Nigam project in the last quarter.

Auma was chosen to supply the actuators due to its proven track record in the water sector and its ability to meet customers' shorter delivery requirements.

Auma provides non-intrusive high torque actuators with profibus to NTPC

Auma supplies approximately 50 high-torque, non-intrusive electric actuators with Profibus features to various NTPC Thermal Power Plants such as Mouda STPP, North Karanpura TPP, Korba STPP, Nabinagar Super TPP, and Ramagundam STPP. These actuators will be used for gate FGD booster fan inlet and outlet applications.

Auma is the only Indian supplier to offer high-torque actuators with direct torque up to 16,000 Nm and Profibus features. The supplies also include multi-turn worm gearboxes to further meet the torque requirements.

Auma to supply actuator test rig to NPCIL

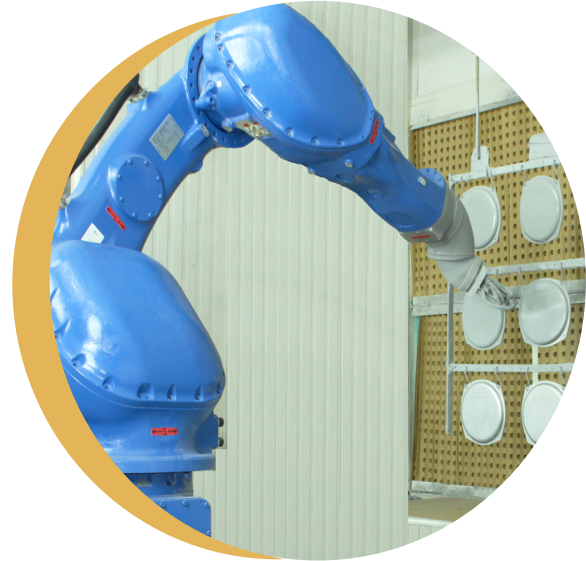
Auma is set to supply a test rig to NPCIL-Kudankulam Units 1 & 2, capable of testing different makes of nuclear actuators to meet the special NPCIL requirements. The scope of the test rig includes a test bench equipped with torque sensors and encoders for actuator calibration. The interface is provided through a dedicated HMI for programming the test rig. Automated reports can also be generated to capture the details of the calibration process.



Auma completes the installation of a robotic system in primer coating line to enhance quality & increase productivity

Auma has recently completed the installation of a robotic system in the primer coating line facility to paint the contoured parts on the assembly line. The addition of this robotic painting system has increased painting capacity by 50% and improved quality, resulting in a more even finish. To accommodate this high-speed, compact six-axis robotic arm in the coating line, modifications were made to the associated conveyor system, Wagner painting system, and ovens. The installation of this fully automated painting system in the coating line will also reduce manual interference, thereby increasing error-free painting of parts, optimizing the use of painting materials, and enhancing worker safety by minimizing exposure to paint fumes.

Auma has installed this robotic system in line with the other subsidiaries of the Auma Group to maintain global standards in painting and coating quality.



Some of the unique features of this advanced painting line are:

- Five tanks with seven chambers for cleaning processes using an eco-friendly chemical called Oxsilan.
- Primer coating with epoxy paint through automated paint mixing.
- A high-speed robotic painting system for automatic painting.

Auma installs an automatic motor sequential analyser in its motor assembly line

To enhance productivity in motor assembly with quality products, Auma has installed a PC-based automatic motor sequential analyzer to automatically check the quality of motors in a fast-paced motor assembly line.

This analyzer will help in detecting and predicting potential faults, indicating them through audio and visual alarms. It consists of a dual-station bench to save loading and unloading time, thereby increasing efficiency.



Auma launches remote setting tool for its actuators



Auma has recently launched the battery-operated remote setting tool RSTX100 for the operation, configuration, and parameterization of Auma actuators and controls, as well as for data transmission.

The RSTX100 remote setting tool can be connected to Auma actuators and controls via a Bluetooth interface up to a distance of 10 meters.

The RSTX100 is approved for use in potentially explosive atmospheres in Zones 0, 1, and 2. It is designed with Ex i Intrinsic Safety protection and is ATEX-certified.

Auma launches compact RP part-turn actuator

Auma is launching a new part-turn actuator designed for the direct operation of butterfly and ball valves. These new RP range part-turn actuators incorporate modern BLDC (Brushless DC) motors, enabling easy and safe operation with reduced energy consumption and a compact design.

The actuators are available with stainless steel housing, providing high mechanical protection and IP67 corrosion resistance. Additionally, these RP part-turn actuators can be retrofitted with uniform modules for feedback and control, allowing for a wide range of variants.



Features & Service Conditions

- Open-close duty as well as positioning.
- Torque range: 32 – 100 Nm.
- Torque measurement and torque seating for all sizes.
- Swing range 90°.
- Mechanical position indicator.
- Options for feedback signals via 24 V and analogue signals, furthermore for positioning via 4 – 20 mA or 0 – 10 V.
- Over current protection-Safe fuses within the power supply unit, thermal monitoring within the motor.
- Ambient temperature –20 °C to +60 °C, also with options (a. o. electronic sub-assembly).
- Vibration resistance according to IEC 60068-2-6.

Your Advantages

- Maintenance-free across the indicated lifetime.
- Low energy consumption both during operation and in standby.
- Easy commissioning with software support.
- Soft start/soft stops for valve protection and precise positioning.
- Precise electronic and wear-free position sensing.
- Manual operation via detachable crank handle.
- Self-locking and self-braking features.

For more information, please contact Auma India.

Customer Training

In-house Training Program

Auma conducted its third cycle of in-house customer training from July 17-19, 2024, at its Bangalore headquarters. The three-day program included both theory and practical sessions and was attended by representatives from valve manufacturers, dealers, and end-customers. The fourth cycle is scheduled for October 16-18, 2024.

Customers can register online at www.auma.co.in or contact the Auma service team to participate in the training programs



On-site Training Program

Auma had conducted its onsite training program on July 18, 2024 at HPCL Talegaon to provide the attendees with product knowledge.

AUMA CSR

Auma equips the 6 classrooms it constructed at Nammura Government High School, Nelagedaranahalli, Bangalore

In 2023, Auma, as part of its CSR initiative, funded the construction of a block consisting of six classrooms at Nammura Government High School in Nelagedaranahalli, Gruhalakshmi Layout, Bangalore. This year, Auma provided benches, cupboards, and other essential infrastructure, such as desks and chairs, for these six classrooms to address the shortage of classroom facilities at the school.

Students at the school come from economically disadvantaged backgrounds and live in nearby neighbourhoods, hoping to learn in a conducive environment with the aspiration of improving their future prospects. Approximately 750 students are enrolled in grades 1 to 8 at this school, as it is the only English-medium government school in the area.

Additionally, this year, Auma is undertaking the construction of a block (G+2), with nine classrooms, at Government Higher Primary School, Chikkabidarakallu, Tumkur Road, Bangalore, accommodating more than 400 students, with a budget of approximately INR 2.3 crore.



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