Sureton | AUTOMATION

AUTOMATION & MOTION CONTROL DIVISION · SURETON GROUP

The brain and the muscle of the modern machine.

Industrial controllers, high-end servo drives, servo motors and the software that ties them together — exported worldwide with engineering support that stays with you for the life of the machine.

26+
years of group manufacturing heritage

0.4–57.5 kW
motion range, drive to motor

256
synchronised axes on one controller

20+
machine types already in production

Sureton Automation
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WHO YOU ARE BUYING FROM

One group, two capabilities.

Sureton Automation is the automation and motion-control division of Sureton Group. Our sister division casts, machines and finishes the metal; we make the machine think and move.

Sureton Automation — this brochure

- Industrial controllers up to 256 synchronised axes
- High-end servo drives from 0.4 kW to 40 kW
- Servo motors to 57.5 kW with 2× peak overload
- HMI, IP67 field I/O, VFD, stepper and industrial Ethernet
- Engineering software, integration and lifetime service

Sureton Precision Manufacturing

- Precision mold design and manufacturing
- Aluminium and zinc alloy die casting, 88T–800T
- 50+ three-, four- and five-axis CNC centres
- Surface treatment and chemical pretreatment
- IATF 16949 and ISO 9001 quality systems

What that means for you: custom enclosures, mounting plates, heatsinks and cable assemblies can be produced inside the same group — and a machine can be specified end to end with one engineering conversation.

Three layers, one vendor, one engineering project

01 · Core components

Controllers, drives, motors, HMI, I/O, networking — one hardware platform with 100 % self-owned intellectual property.

02 · Engineered systems

Matched drive-and-motor combinations, common DC bus architecture, one firmware baseline, one wiring concept.

03 · Machine & line solutions

Application engineering, commissioning on site or remote, operator training, spares and lifetime support.

PRODUCT PORTFOLIO

The core of an automated machine, from one platform.

SERIES	FAMILY	AT A GLANCE
ICC-E050ERM · 080ERM · 0100ERM · 0200ERM	Industrial Controllers	Eight cores, 256 axes, one controller.
ICM-D1	Servo Drives	The single-axis workhorse, 0.4–7.5 kW.
ICM-D1C	Servo Drives	Compact version of the D1 — economical, still full motion.
ICM-D1P	Servo Drives	Built-in brake control and full closed-loop.
ICM-D3	Servo Drives	Wide 200–500 VAC input, no transformer needed.
ICM-D5	Servo Drives	Two axes in one housing, 0.4–40 kW.
ICM-D7	Servo Drives	One rectifier, many inverters, one DC bus.
ICM-LVD	Servo Drives	DC-powered, dual-axis, ultra compact.
ICM-I21 · ICM-I30	Servo Motors	High torque density up to 57.5 kW.
ICS Studio	Engineering Software	One environment for the whole machine.
ICP-T	HMI Panels	High-resolution panels from the same platform.
ICD-S	Field I/O	Mount it on the machine, not in a cabinet.
ICF-C	Variable Frequency Drives	Vector control with redundant Ethernet rings.
ICF-H	Variable Frequency Drives	The high-end duty version of the ICF platform.
ICM-S	Stepper Drives	Precise, reliable motion at an accessible price.
ICN-MS06TP	Industrial Ethernet	Hardware PTP, ±100 ns.

Sizing support is included. Send a cycle diagram, load table or CAD files and our engineers return an axis-by-axis selection proposal, bill of materials and commissioning plan — every enquiry is answered by an engineer within one business day.

SOLUTIONS BY INDUSTRY

We already speak your machine’s language.

Every solution below is running in production today — the axis counts and machine types are real, not a target list.

256 · AXES SYNCHRONISED ON A SINGLE ICC-E CONTROLLER

Solar & Photovoltaics

From ingot to framed module — 11 machine types in production.

256 · AXES DEMONSTRATED IN SYNCHRONISED MOTION

Tire & Rubber

Heavy machinery, precise repeatability — 2 machine types in production.

64 · AXES REFRESHED PER MILLISECOND

Lithium Battery

Coating, cutting, stacking — at speed — 4 machine types in production.

±100 NS · TIME SYNCHRONISATION ACCURACY

Electronics & Semiconductor

Microns and milliseconds — 4 machine types in production.

20+ · MACHINE TYPES ALREADY RUNNING

Printing & Packaging

Registration across a moving web — 2 machine types in production.

15+ · PRODUCT SERIES IN THE PORTFOLIO

Other Applications

If it moves, we can control it — 4 machine types in production.

Services around the hardware

- **Solution Engineering** — We size the axes, choose the drives and design the network before you order a single part.
- **Machine & Line Integration** — From a single axis to a 256-axis line, engineered as one system.
- **Commissioning & On-Site Support** — Remote or on-site engineers to get the machine running and the operators confident.
- **OEM & Custom Development** — Custom enclosures, connectors, labelling and firmware behaviour.
- **Export, Logistics & Compliance** — CE / UL / RoHS documentation, packing and worldwide shipping handled by us.
- **Spare Parts & Lifetime Service** — Parts, repair and technical support for the life of the machine.

QUALITY, COMPLIANCE AND PARTNER BASE

Paperwork your compliance team will accept.

The platform is manufactured under the group's automotive-grade quality system, and the drive and controller range carries the certificates export markets ask for. Declarations of conformity, EMC and LVD test reports, UL certificates and RoHS statements are supplied with the shipment — not requested afterwards.

- **ISO 9001:2015** · Quality management system
- **IATF 16949** · Automotive quality management
- **ISO 14001:2015** · Environmental management system
- **ISO 45001:2018** · Occupational health and safety
- **CE — EMC & LVD** · Drive and controller conformity for the European market
- **UL** · Listed drive assemblies for North America
- **RoHS** · Restriction of hazardous substances compliance
- **National High-Tech Enterprise** · China — self-owned intellectual property
- **National "Little Giant" Enterprise** · China — specialised and innovative SME programme

Technology & manufacturing partner

ICON Industrial — Technology and manufacturing partner for the full automation portfolio — and a long-standing customer of our group's precision manufacturing. R&D in Beijing, volume manufacturing in Jiaxing, Zhejiang, 100% self-owned intellectual property, and a national "Little Giant" specialised enterprise.

Manufacturing footprint

- R&D base: Beijing, China
- Volume manufacturing: Jiaxing, Zhejiang, China
- Group metal manufacturing: No.128, Jianzhong Section, Quanya Line, Quantang Town, Pinghu City, Zhejiang Province, China
- Engineering office: Building 4, No. 18, Zhujiacun Road, Puzhuang, Linhu Town, Wuzhong District, Suzhou City, Jiangsu Province, China

Export-ready by default. One contact owns the relationship, the platform underneath is the same one running in production lines across China today, and spares are held for the life of each series.

NEXT STEP

Complete automation solutions, engineered end to end.

Email a cycle diagram, a load table or a CAD file. An engineer replies with a system, not a sales call.

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Mon–Fri 8:00–17:00 (GMT+8) · Sat–Sun 12:00–18:00 GMT+8 · **https://sureton.cn** — precision metal parts