



COMPANY PROFILE · 2026

Component-level refurbishment and repair- return for industrial and motion electronics

Servo, BLDC, permanent-magnet and EV motors. Servo drives, VFDs, PLCs, HMIs, CNC and power boards. EV controllers. Multi-brand, since 2000.



Star Automations

Puducherry · Chennai · Bengaluru · Hyderabad · Delhi

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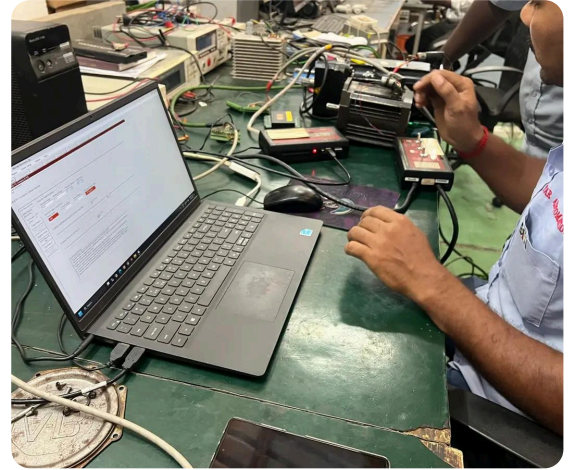
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01 · ABOUT STAR AUTOMATIONS

Giving industrial equipment its full working life

Star Automations is an Indian company that refurbishes and repairs industrial and motion electronics and motors at component level. Founded in 2000 by Suresh Sankaran, it has served more than 3,000 customers from its refurbishment factory in Puducherry and its sites in Chennai, Bengaluru, Hyderabad and Delhi, under an ISO 9001:2015 quality management system.

The aim has stayed the same since the start: solve the customer's problem and give their equipment its full working life, using whichever route is really possible: repair, refurbishment, retrofit, upgrade or migration.



At the test bench.

ESTABLISHED 2000	CUSTOMERS 3,000+	QUALITY ISO 9001:2015	IN-HOUSE Universal servo test system
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Suresh Sankaran, Founder and CEO.

Founder

Suresh Sankaran has worked with electronics since his school days. He began troubleshooting electronics and computer hardware in 1995, trained in the USA in servo motor repair, and founded Star Automations in 2000. He brings electrical, electronic and mechanical knowledge from depot repair, component-level repair, servo motor refurbishment and field service in India and abroad, and works directly with plant heads, OEM service heads and overseas buyers.

- 1995** Electronics and computer hardware troubleshooting.
- 1998** Servo motor repair: research, training in the USA and a universal repair and test capability. Before Star, he ran Baba Electronics.
- 2000** Star Automations founded: troubleshooting and sales for industry, then retrofit.
- Growth** OEM warranty and non-warranty repair, field service across India and abroad, third-party repair and maintenance for the rail sector.
- Today** Five sites, motor refurbishment, repair-return, EV electronics, spares, surplus and manufacturing.

02 · TRACK RECORD

Warranty programmes, international repair-return and plant supply

RealLand

OEM WARRANTY AND SERVICE

About ten years as all-India warranty and service partner for RealLand servo motors (China).

Shibaura Machine

OEM WARRANTY AND POST-WARRANTY

All-India warranty and post-warranty servo repair support for Shibaura Machine (formerly Toshiba Machine).

HP Indigo via Flextronics

INTERNATIONAL REPAIR-RETURN

About a decade as global repair/refurbish partner for HP Indigo: units imported via Flextronics, refurbished to Flex quality guidance and re-exported.

Hyundai Motor India

AUTOMOTIVE PLANT VENDOR

Vendor to Hyundai Motor India, Chennai (Sriperumbudur) plant.

03 · WHAT WE DO

Six lines of work, one standard of testing

Motor refurbishment

Servo, BLDC, EC, permanent-magnet, EV and special high-value motors, each run-tested and load-tested with a printed report.

Repair-return

Servo drives, VFDs, PLCs, HMIs, CNC and power boards. Faults traced to the component, repaired and tested before return.

EV electronics

Motor controllers, chargers, DC-DC converters and power boards, to the OEM's test methods, acceptance criteria and reporting.

International repair-return

Units imported for repair, refurbished and tested in India, and re-exported with documents.

Obsolete spares and surplus

Quote-only sourcing of hard-to-find parts, and buyback of surplus and dead stock.

Manufacturing

Control panels to your platform, cable harnesses from Bengaluru and small brushless motors up to 1 kW.

04 · MAIN CAPABILITY

Every refurbished servo motor is tested on our universal servo test system before it leaves Puducherry

The system is in-house. It runs servo motors from many brands on one rig, without each brand's own drive, and reads the motor's feedback device directly. Each motor gets a final run test and a load test, and goes back with a printed test report.

- Inward inspection with photos; serial number logged.
- Insulation and winding resistance tests before any work.
- Refurbished as required: windings, bearings, encoder, brake, sealing.
- Feedback device repaired or replaced; commutation alignment set.
- Final run test on a universal servo drive; load test on a custom-built rig.
- Printed test report, dispatched with the motor.



Feedback check on the test system.



Encoder work on a servo motor.

Servo motor brands tested

Allen-Bradley (incl. Reliance, Electrocraft) · B&R · Baumüller · Beckhoff · Bosch Rexroth and Indramat · Control Techniques · Elau · Fanuc · Festo · Georgii · Kobold · Kawasaki · Kollmorgen · Mitsubishi · Moog · Nachi · NUM · Omron · Panasonic and Matsushita · Sanyo Denki · Schneider Electric Lexium · SEW-Eurodrive · Shinko · Siemens · Yaskawa

Feedback types read

Incremental and parallel absolute encoders · serial encoders · resolvers · Hall sensors · DC and AC tachometers · EnDat · BiSS · SSI · Hiperface and Hiperface DSL · Tamagawa, Fanuc, Mitsubishi, Yaskawa, Sanyo Denki and Kawasaki serial · DRIVE-CLiQ · SFD · CT-Coder

BLDC, EC and EV motors

Phase resistance balance, insulation resistance, hi-pot (dielectric withstand), back-EMF and Hall or encoder checks, then a run test and a load test, or a run test with the controller for EV motors. Brand names describe the equipment we test.

05 · PROCESS

How repair-return works

01 Share the nameplate and fault

WhatsApp a photo of the nameplate, or send an RFQ with the model and symptoms.

02 Pickup and inward check

Photos taken and the serial number logged on arrival.

03 Component-level diagnosis

The fault is traced on the board: power stage, gate drive, control, feedback.

04 Quote with findings

You approve the work knowing what failed and why.

05 Refurbishment

Failed components replaced; motors refurbished as required.

06 Load and functional test

Motors on the universal servo test system; drives and boards on test rigs and custom jigs.

07 Test report and dispatch

Returned with a test report and serial traceability.



Drive boards on the bench for component-level repair.



Units are tagged at inward.

Line-down jobs are prioritised. Warranty terms are stated on each quotation. For OEM programmes, Star works to your test methods, acceptance criteria and reporting.

06 · QUALITY

Inspected, tested and traced by serial number

ISO 9001:2015

Certificate no.
3050260527171Q, QRO
Certification LLP,
Puducherry site, valid until
26 May 2029 subject to
surveillance audits. Scope
includes servo motors,
drives, PLCs, HMIs, VFDs,
encoders, resolvers, BLDC
motors, import, refurbishing
and re-export.

ESD-protected benches

Grounded workbenches,
ESD mats, wrist straps and
ionisers. Units stored and
dispatched in ESD
packaging; protection tested
periodically.

Environmental

Refurbishment at the
Puducherry factory is
carried out under
authorisation from the
Puducherry Pollution Control
Committee.

07 · MANUFACTURING

Control panels, cable harnesses and small motors

Control panels

Built to your drawings and bill of materials: Siemens-centred for Europe, Rockwell / Allen-Bradley where preferred for the USA, and your platform for India. Star is an nVent dealer. Builds follow the standard your specification names, such as IEC 61439-1 and -2 or IEC 60204-1, with a factory acceptance test before dispatch.

Cable harnesses

Made at our Bengaluru facility of about 7,000 sq ft for defence, drone, EV, industrial and special-purpose use. IPC/WHMA-A-620 workmanship, continuity and hi-pot tested. Prototypes, small batches and repeat production.

Small motors

Small brushless motors up to 1 kW, for India and for export.

08 · WHO WE WORK WITH

Built around how each buyer works

Plants

Automotive, FMCG, tyre, pharma, process, power and cement plants. Repair-return, exchange units and spares when a line is down.

OEMs

Warranty and post-warranty repair to your test methods, acceptance criteria and reporting. Start with a bench trial on 2–3 failed units.

EV OEMs

Controllers, chargers, DC-DC converters and power boards, returned through your dealer network with a test report per unit.

Integrators and panel builders

Control panels to your platform, cable harness from Bengaluru, legacy spares and migrations.

International customers

Import for repair and re-export, the same route used with HP Indigo via Flextronics.

Restore before scrap

A refurbished motor or board keeps its materials in service, so older machines stay productive and fewer units are written off.

09 · SITES

Five sites across India

Puducherry · HQ and refurbishment factory about 5,000 sq ft	C-20 Industrial Estate, Thattanchavady, Puducherry 605009, India
Chennai · Office about 3,000 sq ft	Plot No. 48, Cauvery Nagar, Madhiravedu, Poonamallee, Tiruvallur, Tamil Nadu 600077, India
Bengaluru · Manufacturing, including cable harness about 7,000 sq ft	40, 1st Floor, Sparkling Nest Road, Lakshmi Sagar Layout, Brigade Metropolis, Garudachar Palya, Mahadevapura, Bengaluru 560048, India
Hyderabad	#204, H.No. 6-2-969, Intech Residency, Khairatabad, Hyderabad 500004, India
Delhi	2nd Floor, H305, Pocket A, Rajender Nagar Part 1, New Rajinder Nagar, New Delhi 110060, India

Open Monday to Saturday, 9:00 am to 6:00 pm IST.

10 · WORKING WITH STAR

For procurement and vendor onboarding

Company	Star Automations
Established	2000
Founder and CEO	Suresh Sankaran
Quality	ISO 9001:2015, certificate no. 3050260527171Q
Registrations	GST, IEC and Udyam details on request
Warranty	Terms are stated on each quotation

Send a part number or a photo of the nameplate.

We reply with what we can do and what happens next.

Call and WhatsApp
+91 97866 22233

Sales · Customer service
+91 95855 50109 · 50104

Email
info@starautomations.com
star@starautomations.com