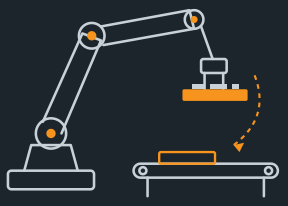
INVARIANCE AUTOMATION

PRIVATE LIMITED · KANPUR, INDIA

www.invariance.in

Custom industrial automation, designed and built in India.

Est. 2020 | Technopark@IIT Kanpur | DPIIT Startup India recognised | MSME registered

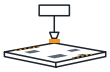


We design and build special-purpose machines and complete assembly lines for manufacturers whose needs go beyond off-the-shelf equipment. Our IIT Kanpur engineering team handles mechanics, motion control, electronics and custom software in-house, taking a process from first sketch to a running line, built in India and supported locally.

2020	IIT Kanpur	3	INVSMT
Incorporated	Technopark R&D partner	Industries served	Own machine series
Kanpur, Uttar Pradesh	Agreement signed Mar 2025	Electronics · Solar · FIBC	Pick-and-place, printers

Recognition: Featured in Inc42's *Manufacturing Startups to Watch* · R&D agreement with Technopark@IIT Kanpur (Mar 2025)

WHAT WE BUILD



Electronics assembly lines

- Turnkey SMT lines, end to end
- Own INVSMT pick-and-place
- PCB assembly for OEMs and startups



CPV panel automation

- Assembly equipment for CPV panels
- Precision placement and alignment
- Built around your product



FIBC industry solutions

- Patting robot for FIBC bags
- Stacked-fabric in/out handling
- Bag folding & packing machine

MACHINES WE HAVE BUILT



Stencil Printer
INVSMT-1SSP



Desktop Pick & Place
INVSMT-2E



Vertical Pick & Place
In-house design



Semi-Automatic AOI
Optical inspection



AOI with Conveyor
Installed unit

LEADERSHIP

AK — Arunava Karmakar Co-founder & CEO
Electrical Engineering, IIT Kanpur

CG — Chintu Gurbani Co-founder & Director
Electrical Engineering, IIT Kanpur

M — Mr. Mathe Director
Board of Directors, Invariance Automation

WHY WORK WITH US

Engineering depth
IIT Kanpur-trained control & embedded team.

Built to fit
Each machine designed around your product and cycle time.

Indigenous & cost-effective
Made in India: lower cost, faster spares and service.

Custom software
Our own control software & HMI, built for your task.

HOW WE WORK WITH PARTNERS: FROM PROBLEM TO RUNNING MACHINE

Before PO: we design, simulate and complete CAD

1. Document the problem statement
2. Work out the solution approach
3. Simulate the solution
4. Client approves the approach
5. Complete CAD design

No advance before PO: you approve the simulation and CAD before committing.

Order

PO — Purchase order issued

40% at PO

After PO: we build, prove and deliver

6. Develop the hardware
7. Proof of concept
8. Delivery
9. Client satisfaction

40% on delivery

20% after satisfaction

LET'S PARTNER

Working with established automation companies

- Co-develop special-purpose machines for your customers
- Take on custom automation projects as your engineering partner
- Local build, installation and service support in North India

Invariance Automation Pvt. Ltd.
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CIN U73100UP2020PTC132656