



UNICRON

ENGINEERING CORPORATION

PRECISION MECHANICAL ENGINEERING
FROM IDEATION TO PRODUCTION

COMPANY PROFILE 2026

WHO WE ARE

Unicron Engineering Corporation is a mechanical design and engineering services firm based in Shirwal, Maharashtra. We provide CAD design, simulation, drawings, DFM/DFMEA reviews, and special-purpose machine design for manufacturers across aerospace, defence, automotive, healthcare, and industrial sectors.

Led by founder Bikram Das, our engagements are deliberately focused — direct ownership, fixed scopes, quantified outcomes. We work primarily as engineering partners to prime vendors and OEMs across India.

5

core service
areas

All-India

delivery
footprint

Sub-contract MSME

to prime
vendors

Udyam
registered



ENGINEERING THAT RUNS AT INDUSTRY GRADE.



We deliver CAD models, simulation, drawings, and design optimisation as engineering partners to OEMs and prime vendors across regulated industries. One point of contact. No middle layers.

OUR SIX CORE SERVICES

Product & CAD Design 01

SolidWorks · CATIA · Fusion 360 · NX

Concept-to-production 3D modeling, sheet metal, weldments, complex assemblies, surface modeling, reverse engineering.

Simulation & Analysis 02

ANSYS · SolidWorks Simulation

Static, modal, thermal, fatigue analyses on stressed components. CFD for fluid systems. Eliminates expensive prototype iterations.

Manufacturing Engg 03

GD&T · Fixture · SPM

Production-ready drawings per ASME Y14.5 / ISO. Fixture design, jigs, gauges, custom machinery, assembly line configuration.

DFM / DFMEA Reviews 04

AIAG-VDA compliant

Design for Manufacturing reviews before tooling. DFMEA for critical assemblies. Reduces tooling rework events significantly.

Quality Engineering 05

QC · Inspection · Vendor Tech

QC process design, inspection plans, vendor technical support, prototype development, first-article inspection setup.

SPM & Custom Machines 06

Hydraulic · Pneumatic · Test Rigs

Custom SPMs, test rigs, tube benders, automation design. Concept through detailed drawings and BOM.



PROJECT DELIVERY EXPERIENCE

As a sub-contracted engineering partner to prime vendors, our deliverables have supported projects across aerospace, defence, healthcare, and industrial sectors. The end-clients of these prime-vendor engagements have included:

DEFENCE & AEROSPACE

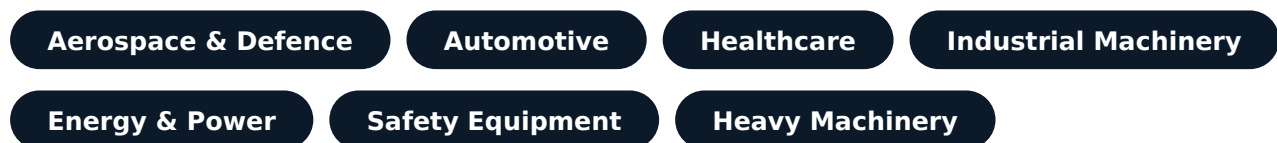


COMMERCIAL & INDUSTRIAL



Engineering deliverables produced by Unicron contributed to projects ultimately serving these organisations through prime-vendor partnerships. References available on request under appropriate confidentiality terms.

INDUSTRIES WE SERVE



WHY UNICRON



Direct ownership

Every engagement led personally by founder. No account managers, no handoffs.



Quantified outcomes

Fixed-price scopes with measurable deliverables. No open-ended billing.



Sub-contractor experience

Familiar with prime-vendor compliance, IP handling, NDA workflows, and submission protocols.



Regional + remote delivery

On-site in Pune-Satara corridor; remote delivery for pan-India and international engagements.



HOW WE ENGAGE

- 1 Scope** Free 30-minute call to understand your requirement. No obligation.
- 2 Proposal** Within 2-3 working days: scope, deliverables, timeline, fixed price.
- 3 Kick-off** NDA signed if required. Project tracker shared weekly.
- 4 Delivery** Native CAD files, PDF drawings, simulation reports. Walkthrough call to explain decisions.
- 5 Support** Two weeks of free post-delivery clarification and minor revisions included.

INDICATIVE PRICING

Each project is scoped individually. Final quotes are fixed-price after a free scoping call.

Engagement type	Typical duration	Indicative range
Drawing audit + GD&T training	1-2 weeks	₹35,000 - ₹50,000
FEA on single component	3-5 days	₹15,000 - ₹25,000
FEA bundle (5 components)	2-3 weeks	₹60,000 - ₹90,000
DFM/DFMEA framework setup	4-6 weeks	₹75,000 - ₹1,20,000
Production drawings (per drawing)	1-3 days	₹800 - ₹2,500
Fixture / SPM design	4-12 weeks	₹50,000 - ₹2,50,000

All prices exclusive of GST. Larger or recurring engagements offer volume discounts.

BEFORE YOU ENGAGE — TRY OUR FREE ASSESSMENT

Free 45-minute Manufacturing Efficiency Assessment with a written Engineering Health Report in 5 working days. No obligation. Many companies use this first before committing to paid work. Ask for the MEAP brochure.

GET IN TOUCH

Tell us about your project. We respond within 24 business hours.

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