

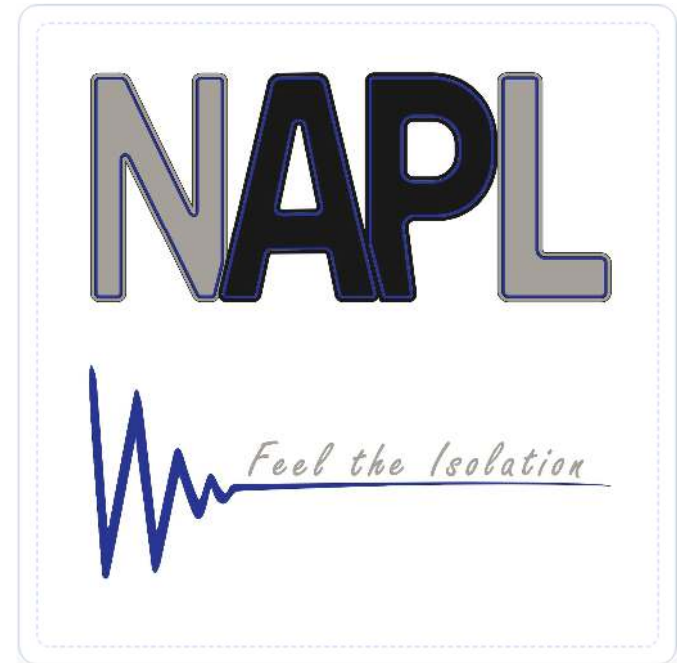
CORPORATE PROFILE

NUTECH AURA POLYMERS PVT. LTD.


Precision Engineered Vibration Isolation Solutions &
Polymer Components

LEGACY BASE

Formerly known as NISCO AEGIS POLYMERS PVT LTD



NUTECH AURA POLYMERS PVT. LTD.

 www.naplindia.com

 sales@naplindia.com

 +91 98401 68832

COMPANY PROFILE HERITAGE & EVOLUTION

ENTERPRISE EVOLUTION

Formerly known as NISCO AEGIS POLYMERS PVT LTD

Nutech Aura Polymers Pvt. Ltd. specializes in the design and manufacture of high-performance Rubber-Metal Bonded Vibration Isolators. We enhance equipment reliability, minimize vibration, reduce noise, and improve operational efficiency across critical industrial sectors.

- ✓ **Precision Polymer Engineering:** Dynamic compound customization
- ✓ **Rubber-to-Metal Bonding:** Specialized high-strength chemical bonding
- ✓ **Advanced Moulding:** High-capacity vertical & injection molding infrastructure
- ✓ **Customer-Specific:** Bespoke layouts modeled to strict client tolerances



OUR PRODUCT RANGE ENGINEERED ISOLATION ASSEMBLIES



Silent Block Bushes

High radial load support for vehicle links and suspension arms.



Sandwich Mounts

Multi-layered shear dampening mounts built for severe compression loads.



Air Springs

Ultra-low frequency pneumatic vibration control solutions.



Engineered Rubber Parts

Precision bespoke custom elastomeric elements and custom seals.

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CUSTOMER SEGMENTS DIVERSIFIED OPERATIONS



Nuclear & Research (BARC)



Defence Applications



Wind Energy Systems



Rail Transportation



Heavy Engineering Plants



Material Handling & Off-Highway



Elevators & Escalators



Industrial Automation



Power & Infrastructure

TESTING & R&D LABORATORY ADVANCED TESTING LAB

Equipment Description	Technical Specification & Platform Base
UCAN Rheometer	Taiwan Tech - Dynamic Viscosity & Cure Curve Analysis
UCAN Universal Tensile Tester	Taiwan Tech - Tensile Load & Elastomer Modulus Testing
Multi-Axis Fatigue Tester	4-Axis High-Frequency Dynamic Cycle Rig
Conditioning Chamber	Advanced Climatic & Atmospheric Environmental Controls
Universal Testing Machine (UTM)	Heavy Duty Industrial Load Cell Platform (60 Ton Capacity)

Tagline: Comprehensive material characterization and performance validation ensuring consistent product quality.



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MANUFACTURING INFRASTRUCTURE HIGH-CAPACITY INJECTION MOULDING

400 Ton

Injection Moulding x 3 Nos.

400 Ton

DESMA Injection x 1 No.

100 Ton

Injection Moulding x 1 No.

50 Ton

Injection Moulding x 1 No.

- ✓ High precision rubber injection moulding tolerances
- ✓ Automated real-time computer heat and cure controls
- ✓ Consistent product quality & high volume output capacities
- ✓ Complex dynamic rubber-to-metal chemical bonding



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ISOLATION IMPACT COMPARATIVE PERFORMANCE ANALYSIS

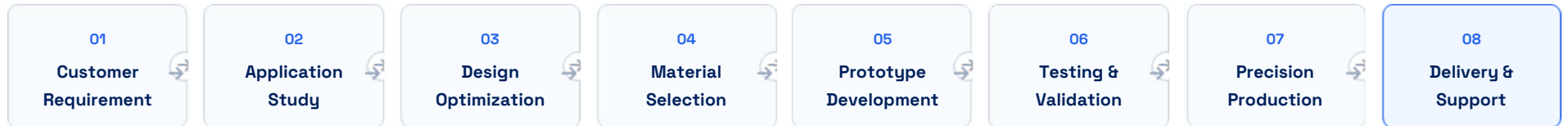
✘ Without Vibration Isolators

- ✘ Higher ambient noise levels propagating through structures
- ✘ Accelerated machinery wear and early shaft/gear degradation
- ✘ Frequent maintenance interventions and operational downtime
- ✘ Reduced total equipment service life due to structural fatigues

✔ With Nutech Aura Isolators

- ✔ Superior mechanical vibration control and structural damping
- ✔ Extremely long component service lifespans and reliability
- ✔ Lower overall maintenance costs and minimum downtime
- ✔ Improved overall operational accuracy under extreme loads

ENGINEERING PROCESS CONCEPT TO DEPLOYMENT CYCLE



QUALITY COMMITMENT RIGOROUS OPERATIONAL STANDARDS



Material Verification

Rigorous raw elastomer compound analysis and basic formulation audits prior to production stages.



Bond Strength Testing

Intense load pull parameters ensuring bulletproof integrity of the rubber-metal interface.



Compression Testing

Load performance validation checking structural creep limits under persistent force environments.



Dimensional Accuracy

Precise laser measurement keeping crucial sleeve dimensions within strict microns.



Performance Validation

Verifying static and dynamic stiffness coefficients over millions of continuous load cycles.



Final Inspection

100% optical and manual quality check of all final vibration isolators before distribution.

WHY NUTECH AURA STRATEGIC SUPPLIER ADVANTAGE



Engineering Excellence



Advanced Manufacturing



Precision Polymer Technology



Reliable Supply Chain



Custom Engineered Solutions



Technical Collaboration



Consistent Global Quality



Long-Term OEM Partnership



Tier-1 Global Supplier

OPERATIONAL STRENGTH MANUFACTURING STRENGTH AT A GLANCE

6

Injection Moulding Machines

400T

Maximum Injection Capacity

60T

Universal Testing Machine

4-Axis

Fatigue Testing Capability

100% Quality Inspection Guaranteed

Customer Success

Reliability

Performance

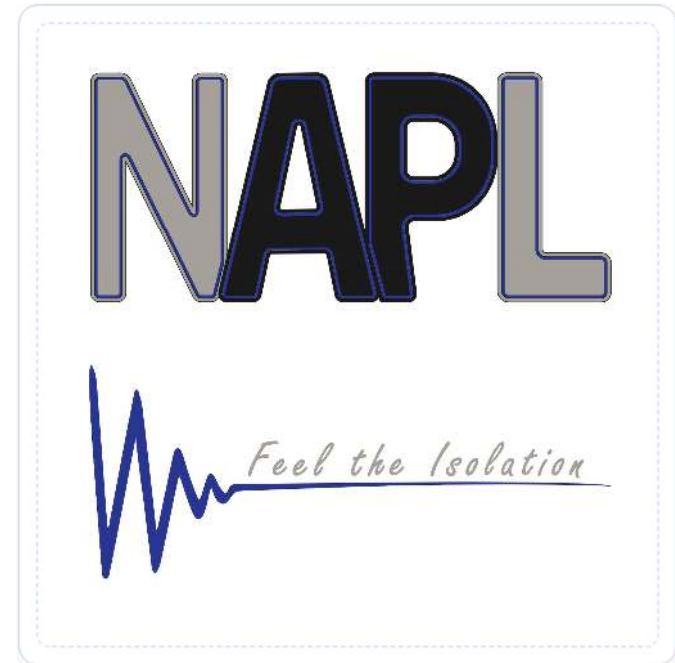
Precision

Innovation


Let's Build Reliable Engineering Solutions Together

Manufactured in India | Engineered for Global Applications

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