

Nandan GSE
celebrates

32
YEARS



AEROSPACE & DEFENSE SOLUTIONS

Cutting Edge, Customized, Hi-Tech Solutions for the
DEFENSE INDUSTRY

Make in India



Make for the world

www.nandan.co.in



Aatma Nirbhar



Why partner with Nandan GSE for a “Make in India” experience



Make in India

Availing of benefits in “Make in India” scheme promoted by the Indian Govt.



Service Infrastructure

Advantage to use ready, existing service infrastructure.



English-Speaking Workforce

English-speaking workforce poses no language barrier.



Experienced & Stable Management

Professional & ethical dealing by globally educated & experienced founders & top management.



Technology and Process Orientation

We benchmark with the best in the world & thus seamless integration of tech & processes is possible.



Faster ROI

Lower costs lead to faster ROI & better value for investments made.



IP Protection

Stricter IP laws ensure your designs & data are protected, not replicated.



Location Advantage

Our factories are located near Mumbai & close to one of the busiest shipping ports as well as airport in the world.



Existing Distribution Setup

Tap into an existing distribution infrastructure; masterstroke advantage of manufacturing + distribution offered by the same entity.



World-Class Quality

World-class quality standards & manufacturing processes.

ABOUT US

Scan for 5 minute
corporate movie



nandan.co.in/movie

- Serving the nation since 1991
- ISO Certification 9001:2015 | 14001:2015 | 45001:2018 | AS9100D
- Registered with MSME, NSIC, DRDO, HAL
- Team of 250+ operating out of 2 factories around Mumbai
- Family owned, professionally run
- In-house team for sales, design, production and service



200+
People



25+
Countries Served



10,000+
Equipment Delivered



10 Billion
Saved for Customers

OUR EXPERTISE

- Delivering solutions in-line with the GSQR, RFI, RFPs
- Concept generation, prototyping and execution
- Integrated engineering and manufacturing efficiently
- Project management, training and commissioning
- Responsive service and regular maintenance



Aviation GSE



Aerospace & Defense



Speciality Handling Solutions



Car Parking Solutions



Aerial Equipment



Service

CREDENTIALS

STANDARDS

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
ISO AS9100D
ZED BRONZE
WELDING AWS D1.1
MIL STANDARDS
IATA AHM 2019

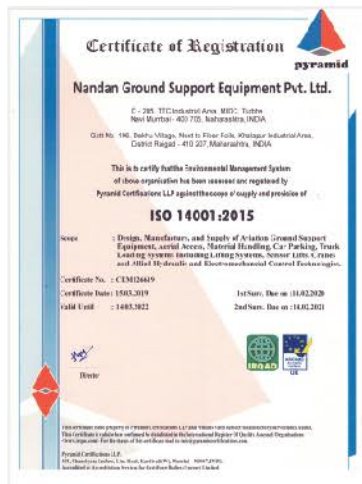
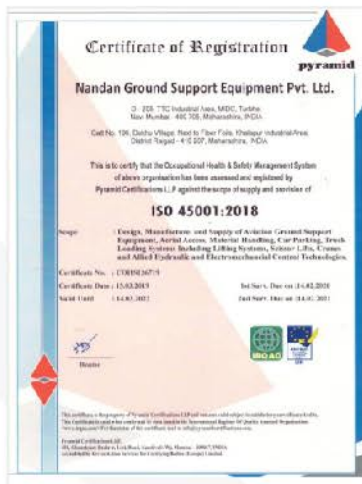
REGISTERED WITH

DRDO
NSIC CERTIFIED
MSME
UDYOG
AADHAR
GEM

DESIGNING

Designing
with Licensed
Solidworks
FE Analysis in Ansys®
v/s Solidworks®
simulation
Quality Systems
as per Nandan
Standards which
is documented

One of the few firms in India to receive
TRIPLE ISO CERTIFICATION



CLIENTS



INFRASTRUCTURE

Virtual Tour



nandan.co.in/tour

Two Factories near Mumbai, India

250+ People in **TEAM NANDAN**

Full fledged manufacturing set up

Access to **NDA tied 3P supply chain**



CAPABILITIES

- Integrated vertical factory setup
- All kind of designing , manufacturing and execution
- MIG welding machines - inverter based 400A, 300A, 200A, 150A
- Laser and plasma cutting facility
- TIG welding machines
- CNC lathe machines
- Shot blasting facility
- Use of high strength steel like Armox, Domex, Weldox
- In-house designing facility using **Solidworks®** and **Autodesk® Fusion®**
- 90 KW solar panel installed
- Multiple overhead cranes of 5 ton capacity
- Quality system as per Nandan standards which are documented
- Cloud ERP for all processes



PRODUCT SOLUTIONS



Armored Vehicle

Made in India Special Purpose Vehicle (SPV) offers optimum protection upto NIJ Level - III for special cargo and is customizable for your needs.



Vehicle Mounted Scissor Lift

Vehicle Mounted Scissor Lift to lift 10 ton capacity to the height upto 2.5m, mounted on commercial or defense truck with choice of body.



Truck Mounted Knuckle Boom Crane

Light compact to robust foldable KB cranes for self-lifting loads upto 70 ton-m and raising it to heights. Especially suited for precious cargo.



Heavy Duty Scissor Lift

An ideal solution for customized applications which require lifting upto 100 ton cargo, with customizations as needed.



ASRS for Missile Storage

Automatic Storage and Retrieval Systems for long and heavy missiles made for dense and safe storage that require no human effort.



Bomb Loader

Bomb Loader trolley with low height access as well as safe lifting and lowering with 6 degree of freedom for attachment on underside of aircraft and wing.

PRODUCT SOLUTIONS



Workshop Vehicle

MIL Grade Workshop van, customizable for field repairs of equipment, equipped with generator, AC, tools, welding, etc.



Rapid Runway Repair Vehicle

To dispense slurry with ultra rapid hardening compound which will repair the runway in the shortest possible time.



Mobile Step Ladder

Suitable for providing passenger access to a wide range of aircrafts including narrow, medium and wide body aircrafts.



Towable Step Ladder

Towable step ladder to cater all narrow body aircrafts and operated with easy movement by tractor or pushing.



Mobile Field Hospital

Mobile medical unit that takes care of on-site casualties before they can be safely transported to more permanent facilities.



Truck Mounted Hi Lift

Made for transferring and loading upto 5 ton capacity and 6m height, into the aircraft.

PRODUCT SOLUTIONS



Food Delivery Vehicle

Specially designed for the Indian Armed Forces to deliver food at 48°, with an ambient climate temperature of 6°.



Synchronized Scissor Lift

They are equipped to lift loads upto 30 tons with the help of two scissors to obtain the desired range and length.



Single Scissor Lift

They have a capacity ranging from 500 kg to 100 tons & are suitable for heights from 200mm to 7m, for customized applications.



Self Propelled Scissor Lift

Extensively applicable in many areas for high range vertical movement with a capacity of upto 1000kg & height of upto 16m.



Articulated Boom Lift

30m high and 10m horizontal outreach in this equipment makes it a safe way to access heights and work in legal compliance.



Mobile Kitchen

State-of-the-art customizable Mobile Kitchen with electric connection, equipped for cooking and refrigeration. Economical and able to deploy quickly.

PRODUCT SOLUTIONS



Electric Tug

Battery operated tug with capacity of upto 40 tons to pull cargo and aircraft, with the latest features.



Truck Mounted Manlift

Ability to carry upto 5000 kg to height upto 16m, with large platform and useful for many applications as it is truck mounted and mobile.



Towable Scissor Lift

Height of upto 16m and 1000 kg capacity with option of mains supply as well as battery.



Zero Scissor Lift

A special scissor which does not need pit or civil work and can be used for loading and unloading from truck or container.



Body Building

Special Purpose Body Building for any application, on truck of any size.



Mobile Gantry System

Lightweight portable gantries are available to meet needs of warehouses and workshops. These cranes can be easily dismantled and transported to another location in a truck.

PRODUCT SOLUTIONS



Rotary Carousel for Cars and Material Storage

Operating on a simple wheel mechanism, they can minimize the area and/or volume required for parking cars. Can park upto 16 cars in space for 2.



Mobile Elevated Observation Platform

Customized mobile trailer based platform with air conditioning and generator, suitable for observation post as well as Air Traffic Control (ATC).



Column Tail Lift

Can be fitted on any vehicle including existing old vehicle and carry cargo upto 2000 kg into a truck effortlessly.



Undermount Tail Lift

These lifts are used for taking pallets and trolleys into the truck, upto 2000 kg capacity.



Dock Levellers

Used to load and unload trucks in a faster manner, from the dock.



EOT Cranes

Customized Overhead Cranes for upto 100 tons to cover the assembly with safety, without using floor space.

PRODUCT SOLUTIONS



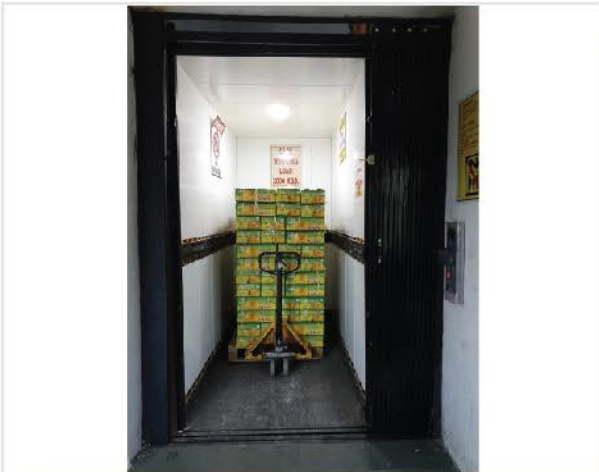
Truck Loader

This unique equipment helps to load and unload trucks without the use of docks. Can also load forklifts into a container.



Battery Operated Pallet Truck

Movement of palletized goods in a level area by one person, with upto 3000 kg being easily moved and powered by a rechargeable battery.



Hydraulic Goods Lift

Customized Hydraulic Goods Lift to move material between levels with capacity upto 10 tons and travel upto 25m high.



Cantilevered Freight Lift

Simple solution to add on to existing building with a platform that lifts upto 10 tons and 15m travel



K Loader

Nandan's K Loader will help to load pallets into aircrafts with capacity upto 20 tons and is available in fully electric version.



Truck Loading Conveyors

Easy loading and unloading of gunny bags and boxes from trucks to reduce manual effort and save time.

PRODUCT SOLUTIONS



Telescopic Conveyors

Multistage Telescopic Conveyor can enter the truck and facilitate loading by reducing manual labour.



Engine Test Work Platform

Specialized for Aircraft engine testing and made to ATEX rating with special safeties as needed.



Water Service Unit

Motorized or towable Water Service Unit to supply upto 4kl potable water for the aircrafts.



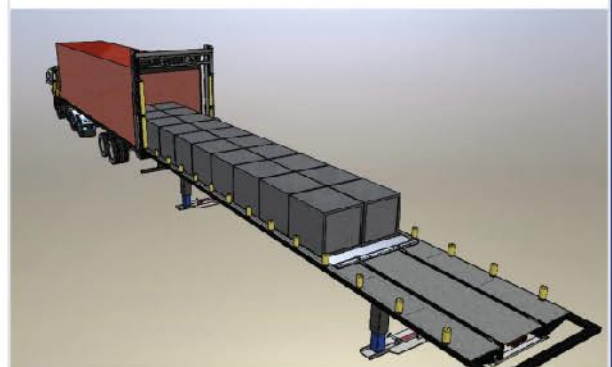
Mobile Baggage Conveyor

Fast loading of cargo into the aircraft cargo hold in a self propelled version.



Towable Baggage Conveyor

Towable Conveyor, with diesel engine, helps in loading bags and cargo into the aircraft quickly.



Load Plate

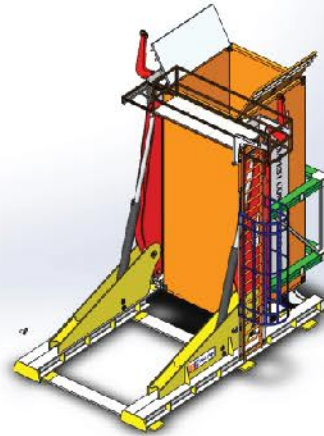
One shot loading of truck or container. Can be modified for heavy material loading into closed trucks and containers.

PRODUCT SOLUTIONS



Turntable

Circular platform that will rotate a vehicle or article 360° with or without pit.



Container Loader/Unloader

Revolutionary equipment to use for filling up a standard shipping container with bulk cargo for convenient and economical transportation.



Mobile Bridge Inspection Unit

For carrying out inspection and repair on the underside of the bridge in a safe manner with capacity upto 400 kg, on Indian truck or trolley.



Truck Mounted Ambu Lift

For loading people with limited mobility into the aircraft in a safe manner.



Ground Power Unit

GPU to power up on the tarmac



Automatic Guided Vehicles

For hassle free material movement

PRE-SALES



- Response to RFQ
- Technical Proposal
- Commercial Proposal
- Receive Sales Order
- Sales Order Bagging

ORDER EXECUTION



- | | |
|------------------------|-------------------------|
| - Contract received | - Assembly |
| - GAD/ PDR | - Hydraulic/ electrical |
| - Approval | - Painting |
| - Kick off meet | - Finishing |
| - Stakeholder owner | - QC |
| - BOM/ Design sign off | - Fat |
| - Material procurement | - Delivery & dispatch |
| - Testing qc | - SAT |
| - Sub assembly | - AMC |

SAFETY

QUALITY

HAPPINESS

ON-TIME

SAFETY PROCESSES



We Pride ourselves on **Safety** immensely.

All equipment have a **Design Review** with customer, which they can also seek third party verification.

We maintain **Minimum FOS** of three in design process.

All designs are validated through **FE Analysis** as per the actual working scenarios.

Hydraulic Circuit is designed with **Safety & Relief valves**.

Before Fabrication, Materials is tested in **NABL Accredited** laboratory.

Hand pumps are provided for **Emergency Operation**.



FUTURE WORK AREAS

High strength steel alloys for lighter and stronger equipment

Use of composites including GRP and Carbon Composites

High simulation tools for better design and first time right philosophy

Electric Vehicles

Electric Trucks

Automated Guided Vehicles

High Density Parking Systems

Armoured Personnel Carriers

Mass Transit Support Products

Road/ Rail Systems

Automatic Storage and Retrieval Systems

Weapon Handling Systems

Composites

Gun Stabilising Systems

Logistics Loading Systems for Warships

Ammunition loading systems

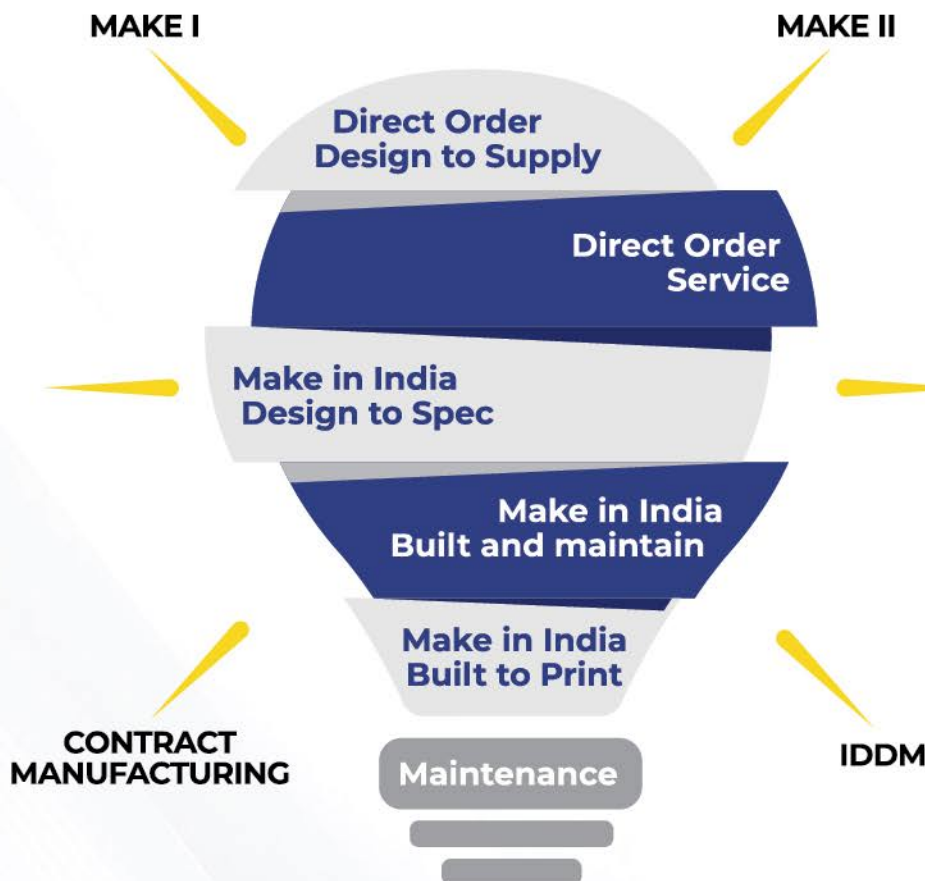
Unmanned Vehicles/ Robotics

Graphene and Carbon Systems

Embedded Systems

Autonomous Vehicles

NANDAN SOLUTIONS FOR ARMED FORCES





Delivering high quality - the world over!



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