Welcome to DENO India

Inspired by precision

Overview

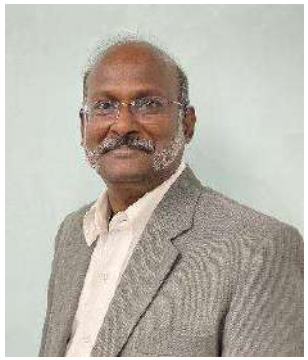
Some facts about DENO:

- A 100 % German Owned Subsidiary in India and the 5th of it's kind around the Globe
- 50 Years of Wisdom
- Technology Back up from Germany
- Automotive & Non-Automotive Experience
- Qty from 10 Pcs to 1 Million pcs / Month

DENO Shares:

Nosta GmbH, Germany - 95% Holding
Headed by Gregor Ludley
Managing Director

Dema GmbH, Germany - 5% Stake Holding
Headed by Frederik Ludley
Managing Director



Deno India, India
Headed By Parthibhan S A
Executive Director

DENO presence and definition

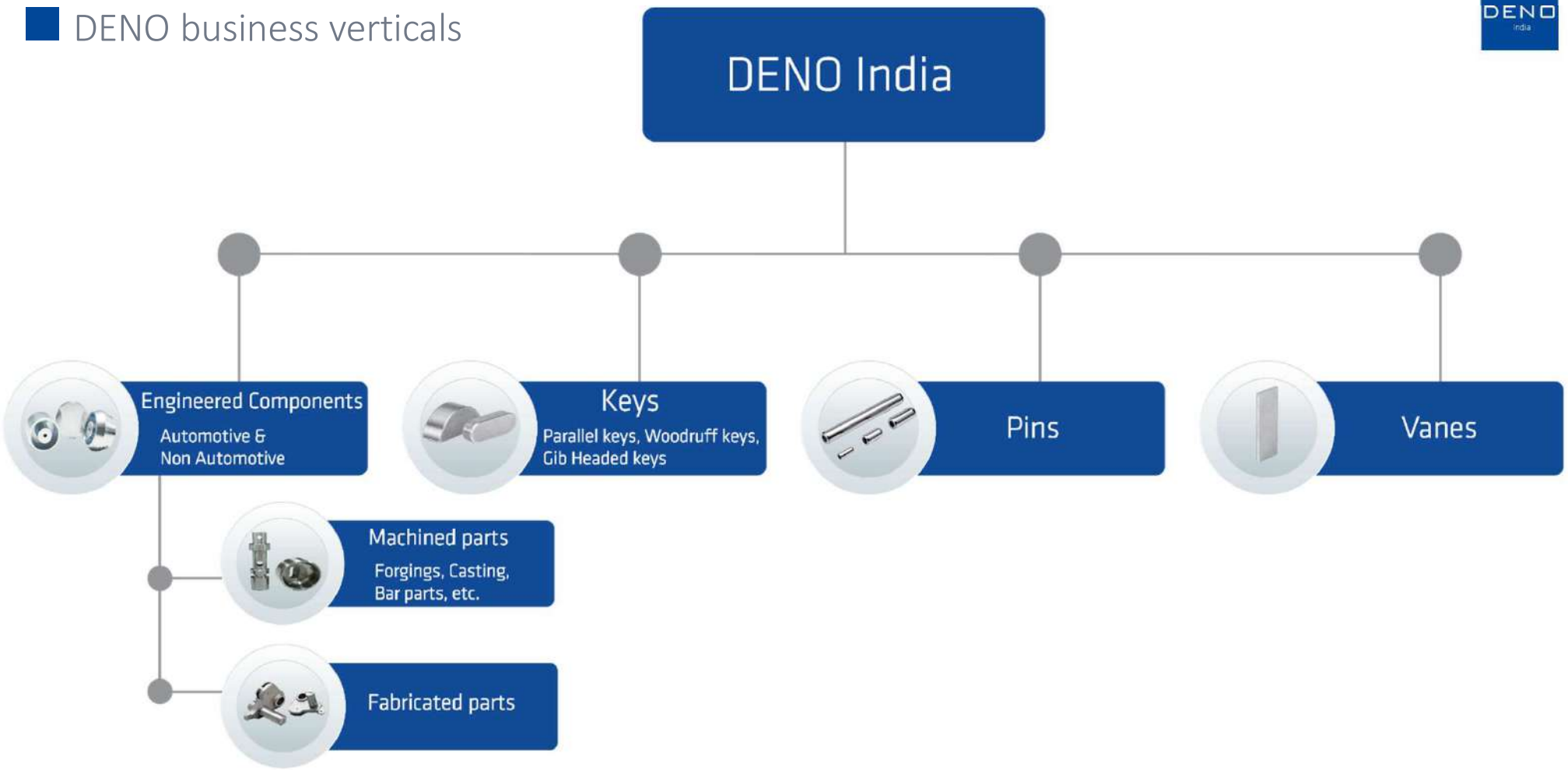
Precision and quality
in all parts - worldwide

DEMA GmbH **NOSTA GmbH**

DE + NO

DENO India

DENO business verticals



DENO India history

2017

DENO started at India

2019

Relocated to Electronic City, Bangalore

2020

CNC Verticals created

2021

Fabrication Vertical

2023

Rail Market Entry

2024

Festo, Rexroth, SEG & TACO (TATA)

Facility Profile

- **45,000 Sq. Feet Area (1 Acre)**
- **33,000 Sq Ft Built-up Area**
- **3 Buildings to Serve Customers**

Located at Veerasandra Industrial Area of Electronic City, Bangalore we have

- great access to all other service providers and ease of
- Accessibility for logistics
- 30 Minutes Drive to Hosur, the next Automotive Capital of Tamil Nādu spelt after Chennai

Inspired by Precision – our manufacturing techniques

From prototype to large series production:

- Processing of profile-drawn material, castings and forgings
- In-house development and construction of machinery
- Development of products and processes
- Fully automated testing processes

Cutting

Grinding

Milling

Turning

Automated manufacturing

Welding

Additional services

SPMs

Assembly

Manufacturing techniques

Cutting

High level of expertise in cutting:

- Sawing
  - Band, miter and circular saws
  - High-performance cutting materials such as HM + HSS
- Abrasive cutting
  - Cutting process by means of a grinding wheel
  - Combination of a 2-stage production process

Examples of customer solutions:

Spacer Bushing

Clamping components

Grinding

High level of expertise in the three grinding variants:

- Double face grinding
  - Low throughput times
  - High precision and plane parallelism
- Flat and profile grinding
  - Component-adapted grinding wheel contour
  - Component-dependent processes (pendulum grinding, plunge-cut pendulum grinding, creep feed grinding)
- Barrel finishing – Trowalizing
  - Increasing the surface quality, deburring, rounding, polishing
  - Maximum flexibility in component dimensions and batch sizes

Examples of customer solutions:

Brackets

Rocker Shaft

Manufacturing techniques

Complete machining on 3- to 5-axis machining centers

State-of-the-art machinery consisting of:
- 4- and 3-axis milling centers
- Adaptable 5-axis milling machines
- Poly-turn machines

supported by:
- Automated handling systems
- Product-specific feeding systems
- special clamping devices

Examples of customer solutions:

Positioning Housing

Fitting load securing

Turning and Milling

Turning and milling machining enables:
- precise combination of turned part and milling machining
- efficient production with high quality standards through the use of CAM systems

The machinery consists of:
- CNC lathes
- Multi-spindle systems with automatic bar loaders

Examples of customer solutions:

Eccentric component

Connector

Manufacturing techniques

Automated manufacturing

Ideal for:
- High quantities with very high repeat accuracy
- Combined processes such as turning, milling, drilling, notching, resistance welding and marking
- Automated 100% control

Supported by:
In-house mechanical engineering, which optimally aligns the production machines to the workpiece to be machined

Example of a customer solution:

Brake Padel

3 Way Union

Welding and Assembly

- Manufacturing of fabricating parts as per drawing including process & tool development
- Processing various material types from sheet metal, rods to formed materials.
- Production methodologies like turning, milling, laser cutting, fine blanking, piercing & welding
- Automated / semi-automated CO2 & MIG welding on standard machines and SPMs
- Automatic / semi-automatic / manual assembly lines according to customer requirements
- Outsourcing of additional services with qualified suppliers
- 100% inspection and quality-process development to ensure failure free supplies

Example of a customer solution:

Lever Gearshift

Decompression Component

Manufacturing techniques

Additional services

In addition to the various manufacturing processes, nosta offers additional services to ensure that you receive your component from a single source.

Component assembly includes:
- Assembling sub-assemblies
- Completing packaging units

Surface treatment/surface coating:
- Galvanization
- Zink flake coating
- Duplex coating
- Anodizing
- Varnishing
- Physical vapor disposition
- and custom solutions on request

Cleaning of parts:
- according to residual dirt specification
- with liquids / ultrasonic
- with modified alcohol
- vacuum drying

Examples of customer solutions:

Assembly, functional tests

Hardening, Coating

Cleaning, oiling, special handling for sensitive parts

Manufacturing techniques

Further additional services

Heat treatment/
change of material properties
- Case hardening
- Induction hardening
- Quenching
- Nitriding
- Quenching and tempering
- and all other heat treatment methods

Labelling in accordance with VDA/
Customer specification/Customer specification
- Laser marking, QR code, data matrix code, consecutive serial number, etc. in a continuous process, individually and also in blister packs – depending on component quantity and size
- Stamping of components coating
- Labelling
- Custom solutions on request

Fabrication / Assembly / Welding
Automated attachment of restraint elements such as balls and springs, tension and compression springs as well as resistance welding of leaf springs

100 % final inspection with Auto Sorting Machine
100% tactile/optical inspection in accordance with special agreements

Packaging according to customer specifications
Packaging according to customer specifications: blisters, cardboard boxes, bags or Euroboxes

Documentation / Certificates
- FMEA (Failure Modes and Effects Analysis)
- IMDS (International material data system)
- PPAP (Production part approval process)
- FAI (First article inspection)
- Material certificate

Machines in Operation

	POLYGON TURNING	CNC	VMC	SPM Radius Milling& Double Disc Grinding	TRAUB	OTHERS
Machines						
Operation	Turning / Milling	Turning	Milling	Key Radius Milling & Double side Grinding	Turning	Grinding, Drilling
C & C	10 Million PA / Max 200 Ton	2 Million PA /Max – 400 mm Length – 600 mm	3 Million PA / Table size - 400x500 mm	15 Million PA	10 Million PA / Max 63 mm	35 Million PA

In-house VMC Machines

LMW & BFW-4-Axis

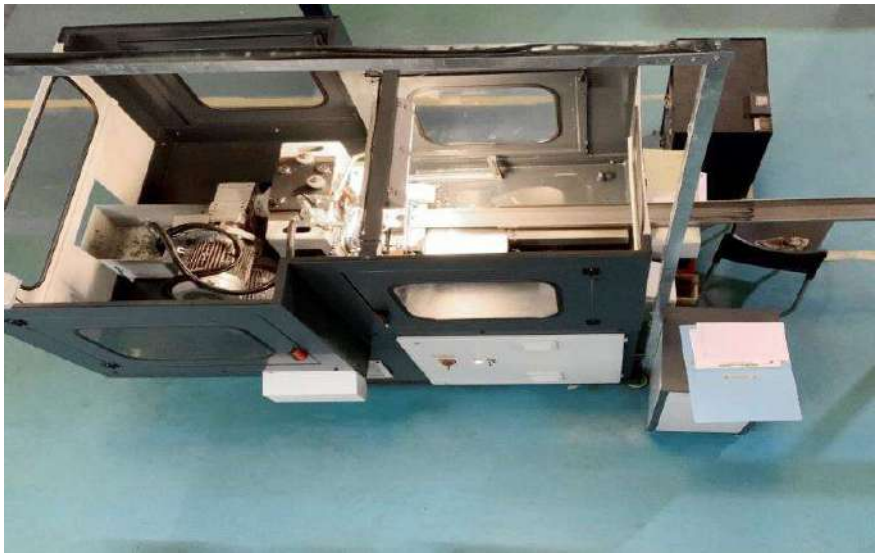
In-house VMC Machines

Fanuc Robo Drill

Pride Machines

In-house centerless grinding machines

In-house SPM Radius milling machine



In-house Welding setup

Deno India Glimpses

Our industry solutions

Public transport

- Automotive
- Agri Industry
- Gear Box and Transmission
- Wind Mill
- Defence

Individual transport

Agricultural and con-struction machinery

- Pump & Motor Industry
- Machine Building
- Electrical Appliances
- Machine Tools
- Cranes and Hoists

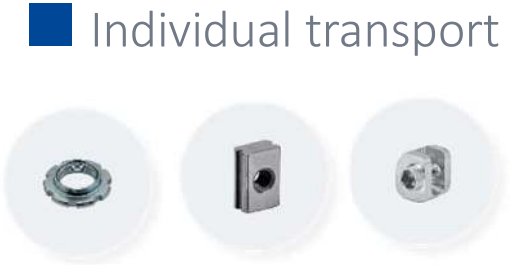
Mechanical and plant engineering

- Material Handling
- High Speed Trains
- Hand Tools
- Packaging
- Vehicle Body Building

Aerospace

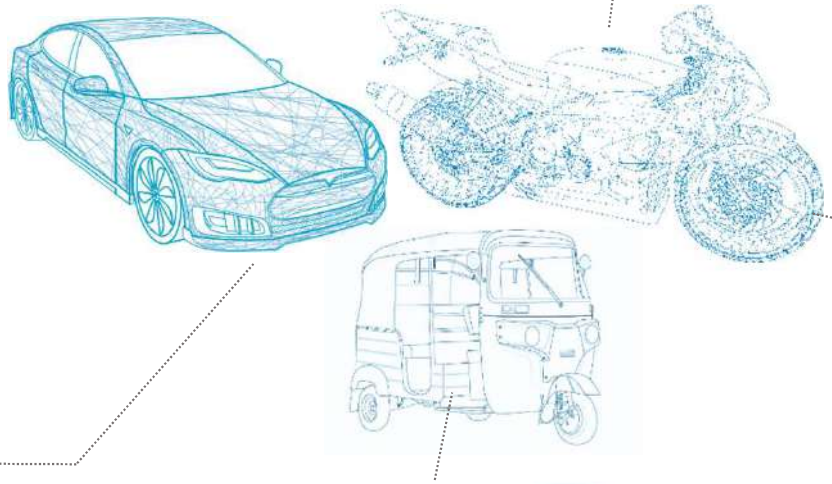
Medical engineering

Individual transport



Fastening components

Visible Components

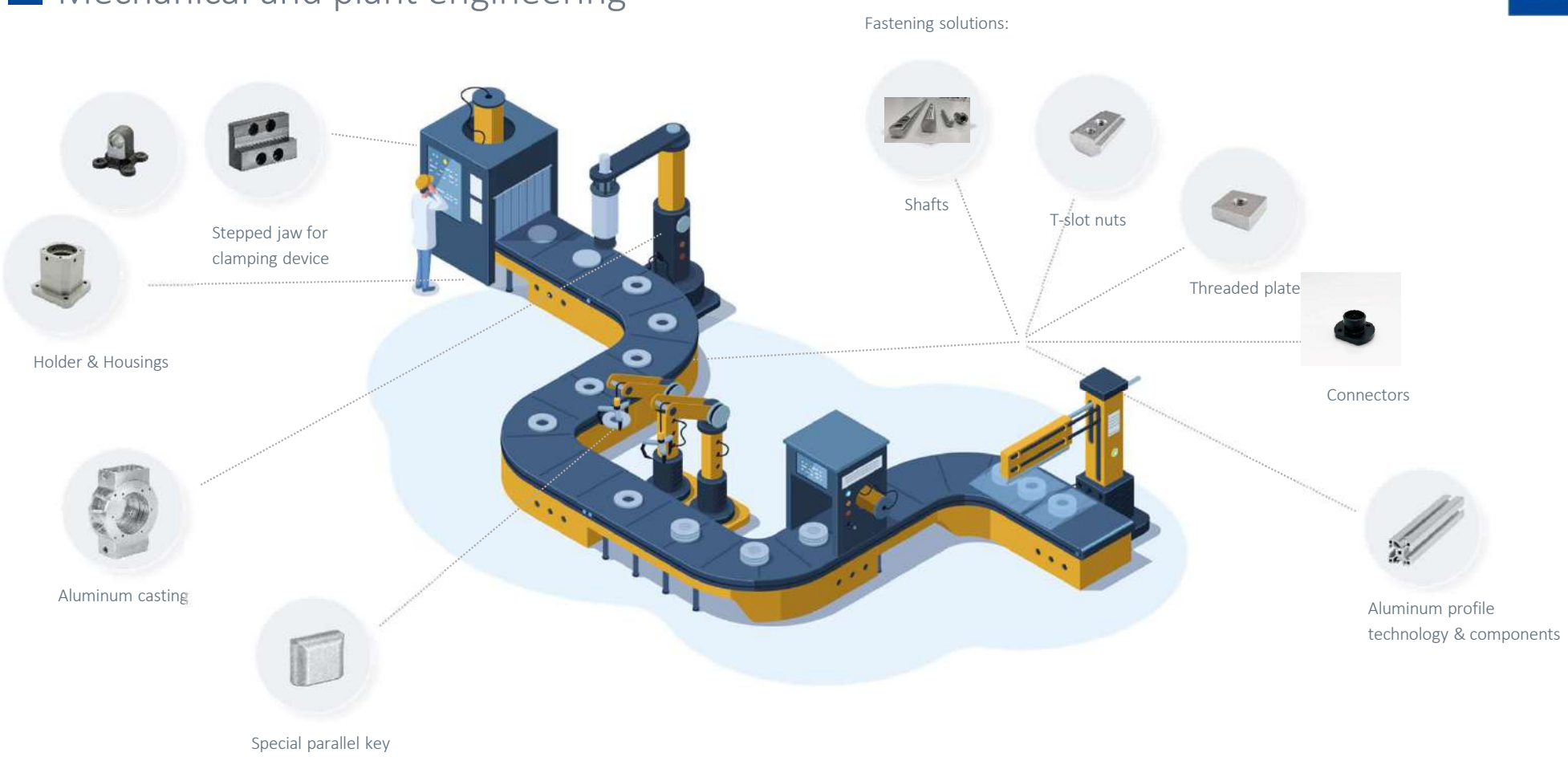


Injection & compression control

Brake Applications

Positioning & functional parts

Mechanical and plant engineering



DENO products for various industries





















Deno Certifications

Quality management
ISO 9001

QMA Automotive
IATF 16949

Deno Measuring Instruments

Video measurement

Digital height master

Coordinate measuring

Digital profile projector

Deno Measuring Instruments

Roughness Tester

Roundness Tester

Rockwell digital Hardness Tester

Contour Tester

Deno Measuring Instruments

UTM

Vickers Hardness Tester

Deno Customers


Nosta Headoffice and Production site, Germany

Nosta history

1976

nosta started at Germany

1993

Takeover and renaming of DEMA GmbH in Roth, Germany. Expansion of the product portfolio with the addition of turned parts.

1995

Acquisition of the company Marcus Komponenter in Järna, Sweden, by DEMA. Expansion of international business activities to Scandinavia.

1996

Initial certification according to quality management standard DIN ISO 9001 and VDA6.1 for the automotive industry.

2015

Start of construction of a new office complex and expansion of the production hall.

2018

Acquisition of Canara Standard Keys and change of name to DENO Manufacturing and Solutions India Pvt. Ltd.

2019

The second generation takes over the management of the company: Frederic, Christine and Gregor Ludley (from left to right)

2022

Takeover of MSC GmbH, Wertingen. Expansion of production capacities in the prototype and small series market.

Nosta Customers

Nosta Certifications

Quality management
ISO 9001

QMA Automotive
IATF 16949

QMA medical devices
DIN EN ISO 13485

Energy management
DIN EN ISO 50001

Environmental management
DIN EN ISO 14001

Occupational health and safety
management DIN ISO 45001

Thank you for your attention!