July 2024

FVSI
AUTOMOTIVE COMPONENTS

auto electricals

Discover the Difference

MVD AUTO COMPONENTS PVT. LTD.

The Emerging Horizon

About Us

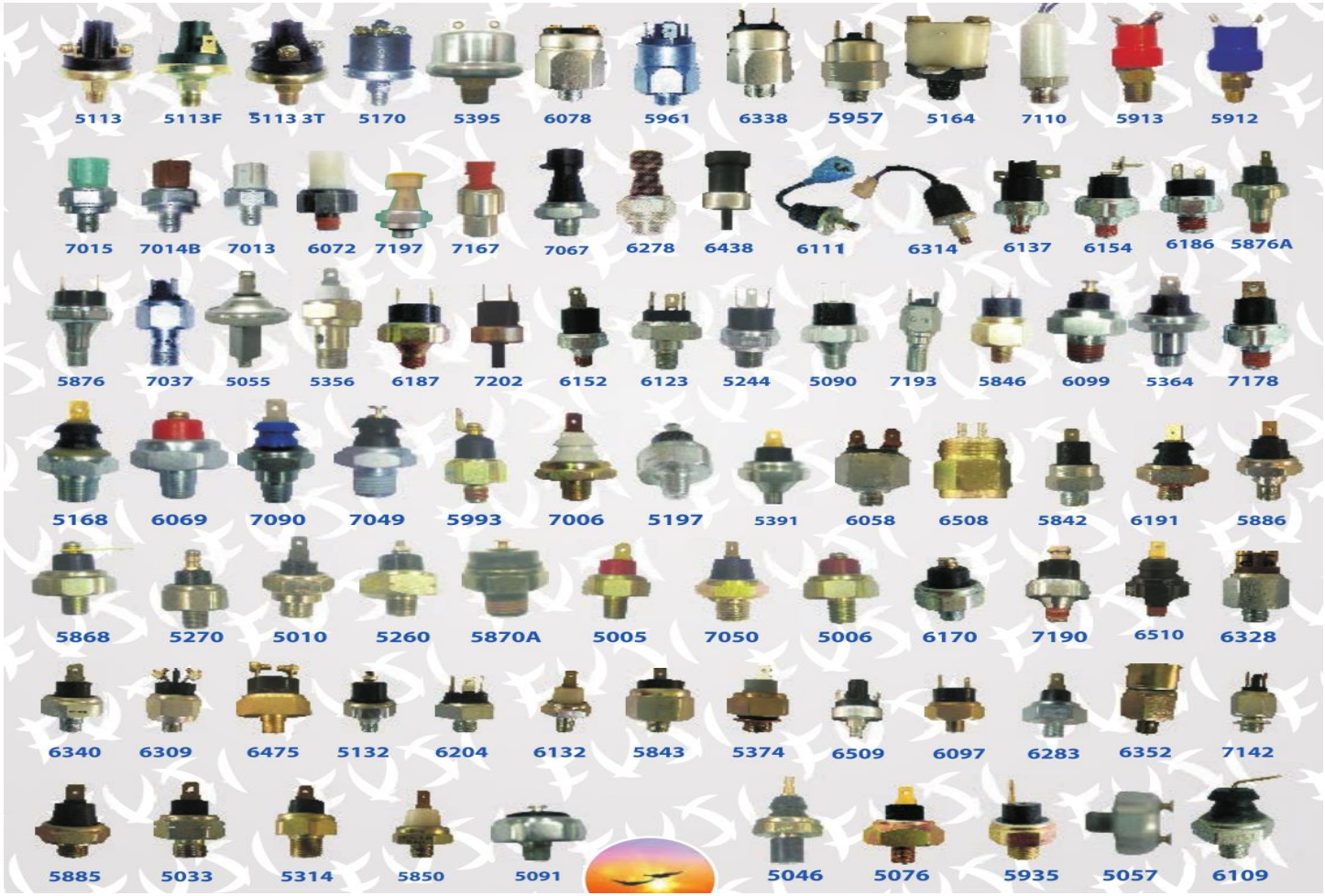
- *Inception in Year 1993 (**30 Years old company**)*
- *Family owned **Private Limited Company***
- *Founded by **Late Mr. Vimal Bhatnagar** – An Engineering Graduate & MBA with over 50 years of experience, mainly with Leading International Auto Components Manufacturers*
- ***Mr. Vishal Bhatnagar** (Current CEO) : Also an Engineer and MBA*
- ***State of the Art Manufacturing Facilities** in Delhi & Noida (India)*
- ***IATF 16949:2016, ISO 14001:2015, ISO 45001:2018** Certified*
- *Products are **CE Accredited & RoHS Compliant***
- ***OEM's** to most of the **leading Vehicles and Engines Manufacturers** in India, as well as to leading **International OEMs***
- ***OEM business** is approx. **60%** of the total Turnover*
- ***Exports** account for approx. **30%** of Turnover*
- *Exports to **more than 30 countries** worldwide*
- *Strong Focus on **New Product Development and Customization***
- ***Distinction** of Making various items **FIRST Time in India** for Supply to OEMs – Holding **Design & Patent Rights** for several items*
- *Offers Unmatched **Cost Advantage***

Our Products

Auto Electrical Switches, Solenoids, Sensors, Coils, Heaters, Relays, Buzzers etc. like:

- Oil Pressure Switches
- Brake Light Switches
- Reverse Light Switches
- Neutral Safety Switches
- Power Steering Switches
- Battery Cut Off Switches
- Ignition / Starter Switches
- Signal / Horn Switches
- Parking Light Switches
- Transmission Switches
- Temperature Switches
- Coolant Temp Switches
- Thermostat Switches
- Fuel Pump Switches
- Flow Level Switches
- Carburetor Solenoid Switches
- Self Solenoid Switches
- Engine Safety Switches
- Oil / Air Pressure Sensors
- Pressure Sensor with Switch
- Temperature Sensors
- Temperature Sensor with Switch
- Speed Sensors
- Flow level Sensors
- Electromagnetic Relays
- Heaters / Glow Plugs
- Flashers
- Relays
- Radiator Caps
- Buzzers
- Battery Terminals
- Feed Through Studs
- Solenoid Valves
- Engine Shutoff Solenoids
- Air Brake Solenoids
- Automatic Transmission Solenoids

Oil Pressure Switches



- Normally Closed Type (NC)
- Normally Open Type (NO)
- Normally Open & Closed Types (NOC)

- Diaphragm : Polyamide / Rubber / Metallic
- Pre Adjusted Type or Adjustable Type

Pressure Sensors / Transducers

- 6 Volts to 24 Volts
- Air Pressure Sensor / Oil Pressure Sensor
- Oil Pressure Sensor With Switch

- Single Terminal or Double Terminal or Three Terminals

Reverse Light / Neutral Switches

- Insulated Double Terminal Type Switches
- Mechanical Type Operation
- Push Rod Contact / Ball Contact

Brake Light Switches

- Insulated Double Terminal Type Switches
- Mechanical Type / Hydraulic Type / Pneumatic Type

Solenoid Switches

6 Volts to 24 Volts

Application :

- ✓ Engine Starter Motor
- ✓ Vehicle Chassis
- ✓ Fuel Pump
- ✓ Carburettor

- ❖ Self Solenoid Switches
- ❖ Engine Shut off Solenoids
- ❖ Energized to run (ETR Type)
- ❖ Energized to stop (ETS Type)
- ❖ Fuel Pump Solenoids
- ❖ 4ST Starting Relays
- ❖ Carburetor Solenoids

Solenoid Valves / Coils

6 Volts to 24 Volts

Application :

- ✓ Engines
- ✓ Transmission
- ✓ Vehicle Chassis
- ✓ Air Brake Application

- ❖Air Brake Solenoids / Valves
- ❖Lift Axle Coils
- ❖CNG Coils
- ❖Solenoid Coils
- ❖Transmission Coils
- ❖ Purge Valves

Temperature Sensors / Transducers

- Insulated Double Terminal Bead Type

or

- Non-Insulated Single Terminal Disc Type

❖ NTC Type / PTC Type

Temperature / Thermostat Switches

- Bimetallic Snap Disc Type
- Bimetal Strip Type
- Switch With Sensor Type

Function :

✓ Radiator Fan Switch
✓ Temp. Warning Indication
✓ Switching OFF Engine/Genset Panel

Ignition / Starter Switches

•12 Volts / 24 Volts

Types :

✓ On/OFF Switch
✓ ON/OFF With Starter Function
✓ Main Line Switch
✓ Push Start Switch

Battery Cut Off / Isolator Switches

- ✓ Single pole (Double Terminal) or Double pole (Four Terminals) type
- ✓ Manual Disconnect Type or Electrical operated Type
- ✓ Fixed Handle type or Removable Key Type
- ✓ Ratings from 40 Amps to 500 Amps
- ✓ Supplied to leading OEMs and Chassis Builders

Misc Switches & Performance Products

- Lighting Switches
- Turn Signal Switches
- Power Steering Switches
- Flow Level Switches
- Drain Valves
- Hazard Warming Switches
- Battery Studs/Terminals

Engine Solenoids (With / Without Timer)

- 12 Volts or 24 Volts
- Energized to Stop type (ETS)
- Energized to Run type (ETR)
- Pull Type
- Push Type

Automatic Transmission Solenoids & Sensors

- Shift Solenoids
- PWM / EPC Solenoids
- Input / Output Speed Sensors
- Speed Sensors / MPUs / Exhaust Sensors / Humidity sensors
- Neutral Switches
- Parking Switches

Heaters / Glow Plugs

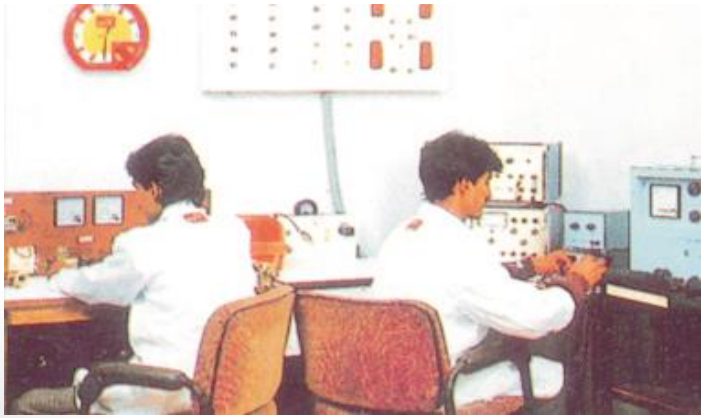
- Single Coil or Dual Coil Types
- Heaters / Resistors
- Flame Heater Type
- Supplied as OEM to leading Engines Manufacturers

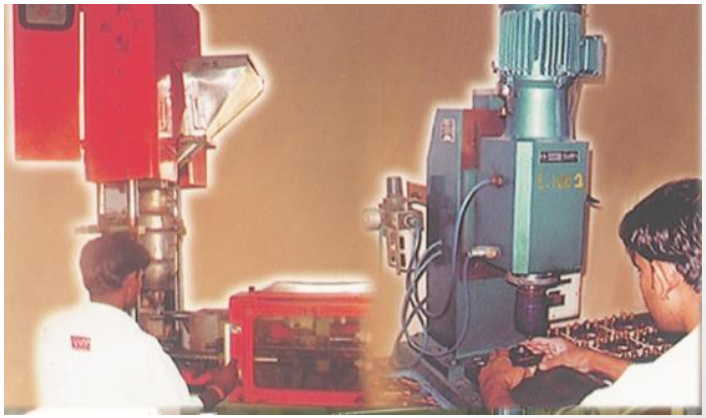
Electronic Flashers / Relays / Beepers/ Delay timers

- Flashers with / without Load Sensitive
- Relays for Head Lamp, Horn, Starter, Ignition, etc
- Glow Plug Timers
- Delay Timers
- Buzzers for Reverse, Door Open, Low Pressure Indication, etc

Quality

- ✓ **IATF 16949:2016 (Latest Version of ISO/TS 16949 : 2016)** Certified
- ✓ **ISO 14001:2015 (Environmental Management Systems)** Certified
- ✓ **ISO 45001:2018 (Occupational Health & Safety Systems)** Certified
- ✓ **CE Accreditation & RoHS Compliance** of Products
- ✓ **QUALITY MANAGEMENT SYSTEMS** at par with the Latest Practices available anywhere in the ***GLOBAL AUTOMOTIVE INDUSTRY***.
- ✓ **In house Fully equipped Testing Lab** which houses Modern Testing Facilities like Profile Projector, Hardness Testing Machines, Spring Testers, Salt Spray Chambers, Cold Chambers, Heating Ovens, Dust Test Chambers, Vibration Testing Machine, Endurance Testing Fixtures, PLC Based Automation etc.
- ✓ **No Compromise on Quality -- Our Hard Earned Reputation hinges on it!**





Our Presence

- Active member of Automotive Component Manufacturers Association of India (**ACMA**), Confederation of Indian Industry (**CII**), Engineering Export Promotion Council of India (**EEPC**), Directorate General of Quality Assurance (**DGQA**), Directorate General of Supplies & Disposals (**DGS&D**), etc.

- Also a part of **DUNS & BRADSTREET** GLOBAL DATABASE with

DUNS No. 91-509-7682

- Regularly participate in **Leading Automotive Trade Fairs** worldwide like **AUTOMECHANIKA** (Frankfurt, Istanbul, Shanghai etc.), **AAPEX** (Las Vegas-USA), **AUTOEXPO** (New Delhi, India), etc.

- **Export Turnover is Approx. 30% of Total Turnover** – with most of the exports going to North America, Europe and Australia.

- Exports to **More than 30 countries** worldwide.

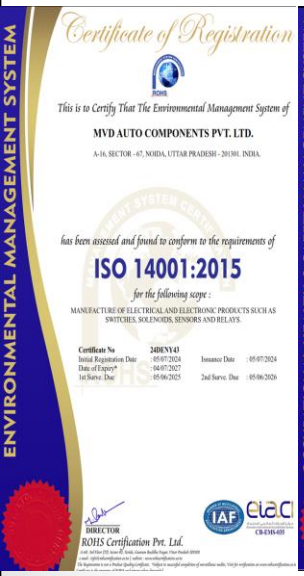
- Also supplying towards **Indian Defence Requirements** – with successful Import substitution for Highly Technical Vehicles like KRAZ,KAMAZ,BOFORS etc.

MVD Vision

“ Our Aim is to provide our clients Quality Products that Consistently meet their Expectations and To be the Market Leaders in the field of Auto Components ”

MVD Quality Policy

“ To Ensure Customer Satisfaction by meeting the agreed requirements and further improving through Continual Improvement to Quality Management Systems ”



Infrastructural Base

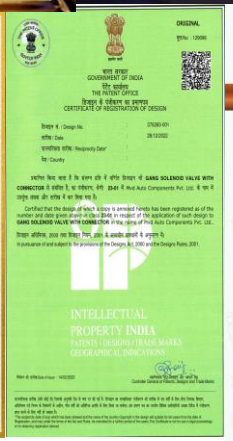
- Manufacturing Activities spread over **Three locations around NCR region of Delhi**
- **State of the Art Plants** – with latest Machinery and Test Equipment
- **Representation** in Bangalore, Chennai, Pune, Pantnagar, Alwar, Jabalpur and Kolkata
- Tie up with Leading Logistics Providers to provide **Streamline, Timely and Cost Effective Deliveries** to Customers in India as well as around the Globe
- **ESG Compliance –** Committed to Environmental, Social and Governance Standards with all **Government Regulations & Social Compliances**

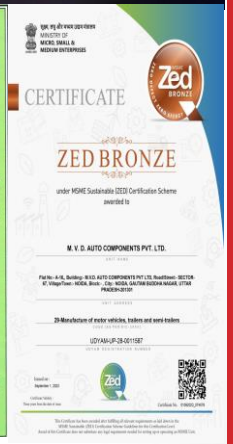
Discover the FUSI Difference

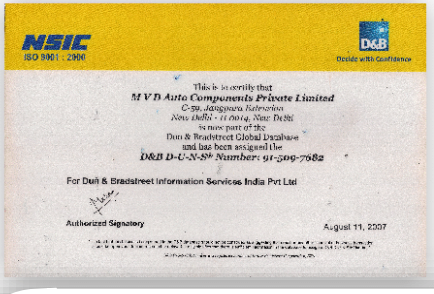
- FUSI is the **FIRST** Indian Company to Indigenously develop & supply Carburretor Solenoid Switches for O.E. fitment in **MARUTI SUZUKI LTD.**
- FUSI is the **FIRST** Indian Company to Indigenously develop & Supply Radiator Fan Thermo Switches for O.E. fitment in **TATA INDICA** passenger cars.
- FUSI is the **FIRST** Indian Company to Indigenously develop & Supply Power Steering Switches for O.E. fitment in **TATA INDICA - ROVER** Cars.
- FUSI is the **FIRST** Indian Company to successfully develop and supply Automatic Transmission Switches & Solenoids for **Leading Indian Vehicle Manufacturers** as well as **Leading Transmission Distributors** all over the world.
- FUSI is the **FIRST** Indian company to import substitute highly technical Automotive/Engine parts for vehicles like **KRAZ, KAMAZ, BOFORS,** etc. towards **Indian Army** requirements.

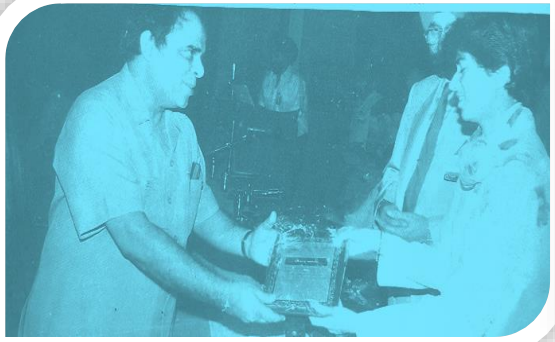
There is a long list of our achievements which together with Excellent Ratings from our various O.E.M. and Export customers keeps us on the leading edge of excellence.

Awards & Recognitions









Customers

We are supplying to Leading Passenger Cars, Commercial Vehicles, Tractors, Engines, Gensets and Marines OEM Manufacturers as well as Tier-1 & Tier-2 Suppliers & Aftermarket Distributors in the International Automotive Industry.

Proud to be a part of supply chain to leading Vehicles/Engines Manufacturers like

THANKING YOU & LOOKING FORWARD FOR A STRONG & LONG TERM WIN-WIN RELATIONSHIP

www.mvdindia.com
Email : info@mvdindia.com