

# Micron Precision Screws Ltd

### Vision & Mission



### **Vision**

To become a global brand fastening product and service provider with international quality standards.

### **Mission**

- To provide high quality value added fastening product and services that will keep our client ahead of competition and in forefront of technology.
- To exceed customer expectations in QCD parameters and build long-term relationships
- To innovate and implement latest technology in our product and services

### About us



- Micron Precision Screws (MPS) was founded by the visionary entrepreneurs Mr. Romesh Vig
- High tensile fastener manufacturing business and have presence pan India
- An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 & IATF 16949:2016 certified company
- Overseas offices and warehouses in Germany, North America, South Africa and Australia
- Leading manufacturer for high tensile fastener for Automotive and Capital Good segment
- Four manufacturing units in Rohtak (Haryana) and Faridabad (Haryana) near Delhi, India

## **Group Businesses**



#### UNIT-1

Cold and Hot Forging
High Tensile
Fasteners for OEMs

#### UNIT-2

Cold Forging High
Tensile Fasteners
100 % Export
Oriented Unit

#### UNIT-3

Cold Forging High
Tensile Fasteners
After-Market
(India)

#### UNIT-4

Hydraulic Components

Special Fasteners and Hydraulic Component Manufacturing

### UNIT-5 Agri-Machinery

Agri-Machines mfg such as rotavator, super speeder etc

### BMI Engineering Ltd, UK

Manufacturing facility for machined parts and Hydraulic Fittings

#### PRK

Cold Forging High
Tensile Fasteners
Warehouse and
Distribution

### Our Brands















## **Group Information**





Year 1979

#### No. of Manufacturing Units



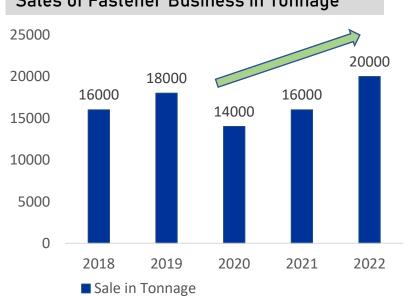
No. of Employees



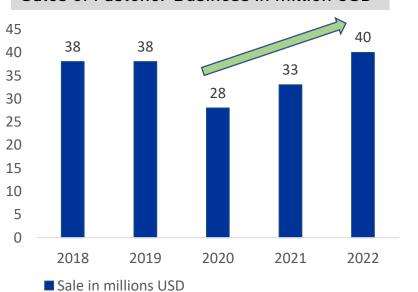
**Group Turnover** 







#### Sales of Fastener Business in million USD

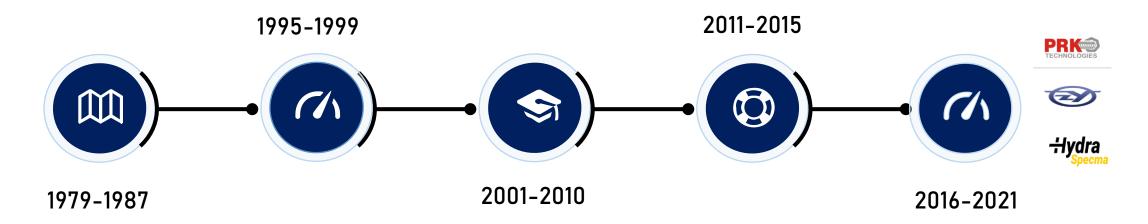


# Journey So Far



- Capacity Increased with Hot & Cold forging
- Installed national Bolt former (3,4 & 5 station)
- 1st Export Order to Germany

- PLC based continuous heat treatment plant
- Nano plating commissioning
- JV with Steffa of Italy
- · Zn-Ni Plating started



- Established Plant-1 with capacity of 1,00,000 parts/month
- Capacity increased to 2,00,000 Parts/month
- · Approved as supplier to Escorts and Ford
- Best supplier award in the 1st Year Itself

- ISO 9001 & TS 16949 Certification
- Awarded Bharat Vikas Award
- Started PRK technologies Gmbh in Germany
- Launch MPS Brand Fasteners for retail segment

- Commissioning of Solar Plant of 500KW (1/2 Mega Watt)
- Started Manufacturing Machined parts
- Established MPS Plant 2 in IMT, Rohtak
- Commissioning of automatic zinc plating plant (SCADA)

## Capabilities-Fasteners



- 5,000 high tensile fasteners ranging from 4mm to 48mm diameter and length up to 400 mm long in various grades (8.8, 10, 10.9, 12.9, 14.9)—the widest range in India
- Capacity to produce 30000 MT of precision engineered fasteners
- Well-developed Four Heat Treatment Lines & Continuous Heat Treatment line with Latest PLC Control
- In-house CNC Turning center to produce precision turned components
- In-house plating plant for oxidizing, Zinc phosphate, Zn-Nickle, electro-galvanizing with treatment of hydrogen de-embrittlement
- Facility to provide Nano, Geomat & Decromat Coating with Salt Spray Life of 360, 350 & 750 hours respectively.
- Well-equipped tool room to design and develop various tools required for different fasteners
- Capabilities to develop special fasteners as per customer blue-prints or samples

# Capabilities-Fittings



- Straight Adaptors and Ferrules ranging from A/F or Diameter 10 mm to A/F or Diameter 41 mm -the widest range in India
- Straight Adaptors and Ferrules ranging from A/F or Diameter 41 mm to A/F or Diameter 80 mm -with
   Hot Forging & Machining
- Elbow, T-Adaptors and Banjo manufacturing

### Infrastructure-Fasteners







**HEAT TREATMENT** 



**HOT & COLD FORGING** 



PLATING SECTION



ROLLING, CENTER LESS GRINDERS



**TURNING CENTER** 

# Infrastructure-Hydraulic Fittings





Facility



Spindle Machines



**CNC Machines** 



CMM & Quality Lab



**Plating Plant** 



Tri Rolling Machine

# Infrastructure-Hydraulic Fittings





Clean Room-Inspection



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MPI



DWM Area



RM Storage



Office

### Infrastructure-Fasteners



DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
MULTI STATION BOLT MAKER  (RANGE - DIA M6 - M20, LENGTH 60 MM - 200 MM)	18	CENTER LESS GRINDING MACHINE (RANGE - 4",6",8" WHEEL, DIA -24 MM, 30 MM, 40 MM)	12
SINGLE DIE DOUBLE BLOW HEADER (RANGE – DIA M5– M24, LENGTH 50 MM – 150 MM)	16	ZINC PLATING PLANT (BARREL) (CAPACITY - 0.5 TON /HOUR)	1
03 BOLT TRIMMER  (RANGE - A/F 13 MM - 40 MM)	6	ZINC PLATING PLANT ( RACK TYPE) (CAPACITY - 25000 UNITS / 24 HRS)	1
D4 BAND SAW CUTTING MACHINE (RANGE - DIA 6 MM - 210 MM)	2	TEMPER FURNACE (CAPACITY - 1000 KG, 5 MT/ DAY)	5
HOT FORGING MACHING  (RANGE - DIA 8 MM - 60 MM, LENGTH 300MM -550 MM)	<b>5</b>	CONTINUOUS FURNACE (CAPACITY - 500 KG, 12 MT/ DAY)	3
POWER TRIMMING PRESS (RANGE - A/F -24, A/F 26)	2	SHAKER HEARTH (CAPACITY - 24 INCH, 125 KG/ HR TO 150 KG /HR)	3
FLAT ROLLING MACHINE (RANGE - DIA 8 MM - 16 MM)	26	15 CNC	47
THREAD ROLLING MACHINE (RANGE - DIA M5 - M42)	13	16 TOOL ROOM + INSPECTION MACHINES	16



#### **Fastener Products**

SN	Photograph	Product Description	Specification Range	Grade Option	Reference Standard	Surface Finish Options
1		Hexagon Socket Head Cap Screw (Allen Bolt)	M5 to M24 (1/4" to 1")	<ul><li>8.8 Grade</li><li>9.8 Grade</li><li>10.9 Grade</li><li>12.9 Grade</li></ul>	<ul> <li>DIN 912</li> <li>ISO 4762</li> <li>BS 2470</li> <li>ASME B18.2</li> </ul>	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
2		Hexagon Socket Head Cap Screw with Fine Pitch (Allen Bolt)	M8 to M24	<ul><li>8.8 Grade</li><li>9.8 Grade</li><li>10.9 Grade</li><li>12.9 Grade</li></ul>	<ul><li>DIN EN ISO 12474</li><li>DIN EN ISO 21269</li></ul>	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
3		Hexagon Socket Head Cap Screw with Torx Punch (Allen Bolt)	M5 to M24	<ul><li>8.8 Grade</li><li>9.8 Grade</li><li>10.9 Grade</li><li>12.9 Grade</li></ul>	• DIN EN ISO 14579	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
4		Countersunk Screw (C'sk)	M5 to M30	<ul><li>8.8 Grade</li><li>9.8 Grade</li><li>10.9 Grade</li><li>12.9 Grade</li></ul>	• DIN 7991 • ISO 10642	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
5		Countersunk Screw with Torx Punch (C'sk)	M5 to M20	• 8.8 Grade • 10.9 Grade	• ISO 14581	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
6	Z	Hexagon Socket Thin Head Screw (Low SHCS)	M5 to M24	• 8.8,10.9	• DIN 7984	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
7	& ALTERNATION OF THE PARTY OF T	Button Head Cap Screw (BHCS)	M5 to M20	<ul><li>8.8 Grade</li><li>9.8 Grade</li><li>10.9 Grade</li><li>12.9 Grade</li></ul>	• ISO 7380-1	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
8		Flange Button Head Cap Screw	M5 to M20	<ul><li>8.8 Grade</li><li>9.8 Grade</li><li>10.9 Grade</li><li>12.9 Grade</li></ul>	• ISO 7380-2	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>



#### **Fastener Products**

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SN	Photograph	Product Description	Specification Range	Grade Option	Reference Standard	Surface Finish Options
9	Santa de la constante de la co	Button & Flange Button Head Cap Screw with Torx Punch	M5 to M20	• 8.8 Grade • 10.9 grade	• ISO 7380-1 & 2	Thermal Black Zinc plating Dacromat Geomat Zinc Nickel-Black
10		Hex Head Flange Bolt & Screw with Verbus Ripp & Without Verbus Ripp (Knurling under Head)	M5 to M24	<ul><li>8.8 Grade</li><li>9.8 Grade</li><li>10.9 Grade</li><li>12.9 Grade</li></ul>	<ul><li>DIN 6921,</li><li>ISO 4162</li></ul>	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
11		Hexagon Head Bolt & Screw with Coarse Thread	M5 to M24-Cold Forging, M27 to M48- Hot Forging, 1/4" to 1"	<ul><li>8.8 Grade</li><li>9.8 Grade</li><li>10.9 Grade</li><li>12.9 Grade</li></ul>	<ul> <li>DIN 931, DIN 933</li> <li>ISO 4017, ISO 4014</li> <li>BS-2470</li> <li>BS-1768,</li> <li>ASME B 18.2</li> </ul>	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
12	The same of the sa	Hexagon Head Bolt & Screw with Fine Thread	M5 to M24-Cold Forging, M27 to M48- Hot Forging	<ul><li>8.8 Grade</li><li>9.8 Grade</li><li>10.9 Grade</li><li>12.9 Grade</li></ul>	• DIN 960, • DIN 961	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
13		Clevis Pin	Dia 5 to Dia 40	<ul><li>5.8 Grade</li><li>6.8 Grade</li><li>8.8 Grade</li><li>10.9 Grade</li><li>Case Hardened</li></ul>	• DIN 1444 • ISO 2341	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
14		Dowel Pin	Dia 4 to Dia 40	<ul><li>Unhardened</li><li>Hardened</li><li>(58-62 HRC)</li></ul>	<ul> <li>DIN 7</li> <li>DIN 6325</li> <li>BS 1804</li> <li>ISO 2338</li> <li>ISO 8734</li> </ul>	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
15		Pull Dowel Pin	Dia 4 to Dia 40	• Hardened • (58-62 HRC)	• ISO 8735 • DIN 7979D	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
16		Hex Head Fit Bolt	M5 to M30	<ul><li>8.8 Grade</li><li>10.9 Grade</li><li>12.9 Grade</li></ul>	• DIN 609 • DIN 610, • DIN 7968	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>



#### **Fastener Products**

SN	Photograph	Product Description	Specification Range	Grade Option	Reference Standard	Surface Finish Options
17		Shoulder Bolt	M5 to M30	• 12.9 Grade	• ISO 7379	Thermal Black Zinc plating Dacromat Geomat Zinc Nickel-Black
18		Taper Plug	M8 to M60	• Soft	• DIN 906	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
19	3	Socket Plug	M10 to M64	• Soft	• DIN 908	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
20		Hex Plug	M10 to M64	• Soft	• DIN 910	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
21	¢==	Mushroom Head Square Neck Bolt (Carraige Bolt)	M6 to M20	<ul><li>3.6 Grade</li><li>4.6 Grade</li><li>8.8 Grade</li><li>10.9 Grade</li></ul>	• DIN 603	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
22		Hex Nut	M5 to M30	• 8 Grade • 10 Grade	• DIN 934 • ISO 4032	<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>

We at Micron make customized products on demand of customer subjected to volume and other agreed commercial terms



#### **Special Products**

SN	Photograph	Product Description	Specification Range	Grade Option	Reference Standard	Ssurface Finish Options
23	1111	Rim Bolt	M16 to M27	• 8.8 Grade • 10.9 Grade	As per customer drawing	Thermal Black  Zinc plating
24		Tooth Bolt	M12 to M20	• 8.8 Grade	As per Customer Drawing	Thermal Black Zinc plating
25	<b>%</b>	Cylinder Head Bolt	M12 to M24	• 10.9 Grade	As per Customer Drawing	Thermal Black
26	1	Fly Wheel Bolt	M10 to M16	• 10.9 Grade • 12.9 Grade	As per Customer Drawing	Thermal Black
27	9	Crown Bolt with Nut	M14 to M20	• 12.9 Grade	As Per Customer Drawing	• Thermal Black
28		Engine Mounting Studs	M12 to M24	• 8.8 Grade • 10.9 Grade	As Per Customer Drawing	• Thermal Black

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#### **Machined Products**

SN	Photograph	Product Description	Specification Range	Grade Option	Reference Standard	Surface Finish Options
1	5	Straight Adaptor	A/F 11 to A/F 70	<ul><li>SS-303-304,</li><li>SOFT</li><li>(S20C, EN-1A)</li></ul>		<ul><li>Thermal Black</li><li>Zinc plating</li><li>Dacromat</li><li>Geomat</li></ul>
2	100g	Elbow & T-Adaptors	A/F 11 to A/F 70	• SOFT • (S20C, EN-1A)		<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
3	7	Ferrule	Dia 5 to Dia 80	<ul><li>8.8 Grade</li><li>9.8 Grade</li><li>10.9 Grade</li><li>12.9 Grade</li></ul>		<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
4	0	Break End fitting	Dia 8 to Dia 20	• EN-1A • SAE 1018		<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
5		Nipple & Caps	Dia 8 to Dia 50	<ul><li>SS-303-304,</li><li>SOFT</li><li>(S20C, EN-1A)</li></ul>		<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>
6		Plugs	M8 to M50	• SS-303-304 • EN-8, EN-1A		<ul> <li>Thermal Black</li> <li>Zinc plating</li> <li>Dacromat</li> <li>Geomat</li> <li>Zinc Nickel-Black</li> </ul>

# Product Portfolio-Hydraulic Fittings



#### **STRAIGHT ADAPTORS**







#### **Elbow & T ADAPTORS**











# Product Portfolio-Hydraulic Fittings



Ferrules & Banjo Fitting



#### **Precision Machining Parts**











### Vision & Mission



### **Quality Policy**

 To provide quality products and services to its customers by adhering to National & International Quality Standards such as ISO, DIN, ANSI standards

• To implement and adhere of quality management systems as per IATF 16949:2016

To train and motivated team to sustain the quality system



### **Quality System in Micron Precision Screws**















### Inspection facilities



**Spectro Meter** 



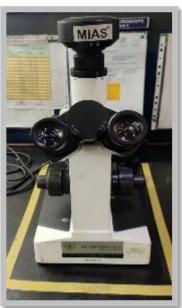
Coordinate
Measuring Machine



**Profile Projector** 



Universal Testing Machine



Microscope



Micro Vickers Hardness Tester





### Inspection facilities



Vickers Hardness Tester



Rockwell Hardness Tester



Optical Sorting Machine



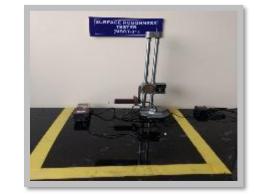
Eddy Current Testing Machine



SST Chamber



**MPI** 



**Roughness Tester** 



### **System Certificate**









### Customers

























































## **Export Customers**































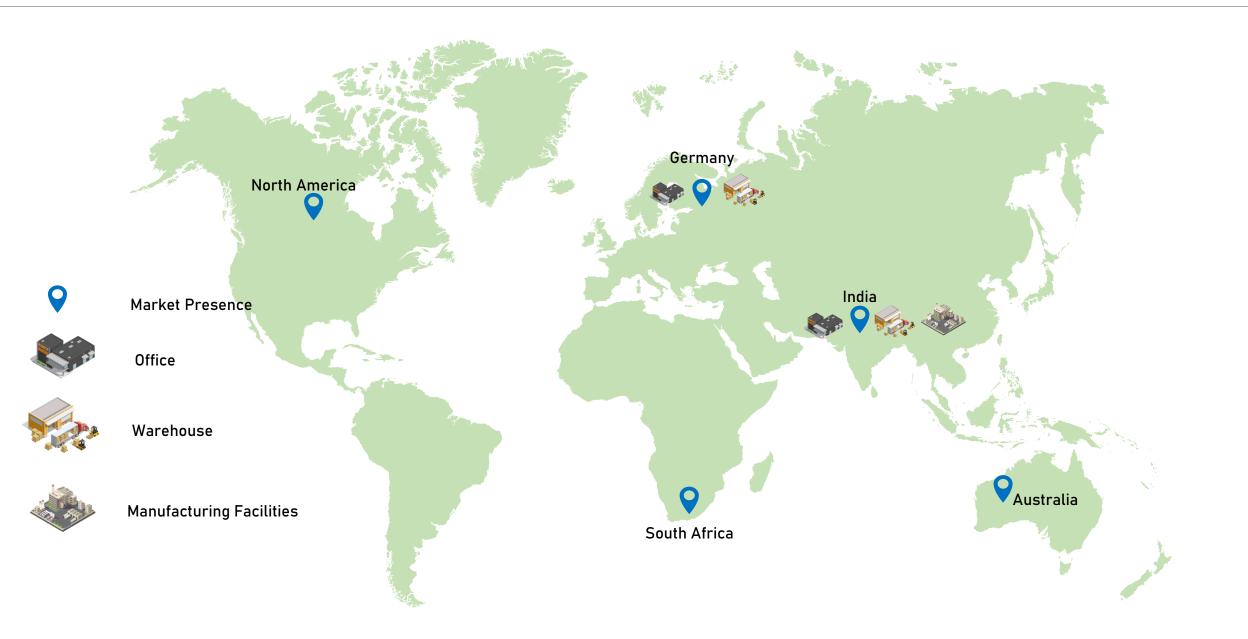








## Sale and Distribution Network



### Awards and Accolades





**Bharat Vikas Awards** 





Achiever of Millennium Awards





**Direct Online Awards** 





CII - TEI awards





Rashtriya Ekta Awards





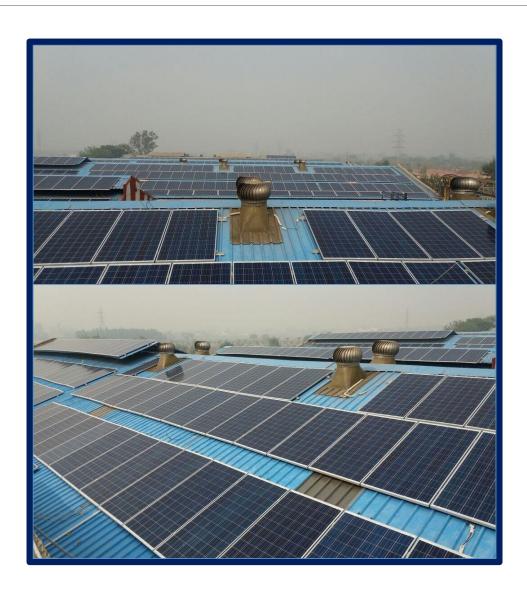
1<sup>st</sup> Position in MSME category in CII National Competitiveness Summit





# **Green Energy Initiatives**





- We have installed Roof Top Solar Panels
- It has capacity of 500 KW(1/2Mega Watt) with a project life of 25
   Years
- Solar Power is a renewable energy source which is practically inexhaustible. This solar plant will offset nearly 10,000,00 Pounds of CO2 every year
- It is equal to planting 11,580 trees every year
- It is also easy on water and land use, compared to coal, it uses 86-89% less water. It contributes 96-98% less green house gases

## Social Responsibilities and in Media



To protect the girl child and create awareness, Mini Marathon was conducted in Rohtak once every year.

It is continued to be a success with about 10,000 people running for the same Girl child school education is

free from MPS

Beti ko samman dilao, Samaj mein sadhbhavna Lao









### **Contact Us**





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