

**LUMAX INDUSTRIES LIMITED**

Plot No.- 6, 6QCP+F4H,
Industrial Area, Dharuhera
Pin - 123110
State – Haryana (India)

Company, Plant/Factory Profile:-

LUMAX has grown from success to success since its foundation in the year 1945. The company went Public in the Year 1984, and thus in the same year embarked on its highly successful technical collaboration with STANLEY, Japan. and the partnership is live from then up to date. Lumax has a futuristic vision with an experienced and customer focused management team. This is clear from our financial growth which has seen a steady upward trend right since our inception. Lumax strives for continual improvement of manufacturing processes with emphasis on consistent quality and cost effectiveness. Lumax signifies LUMINOSITY MAXIMA for today's demanding automobile users.

We at Lumax in the new millennium are committed to retain excellence in quality of our products and services, with focus on customer satisfaction and market leadership. We vow to remain a responsible corporate citizen, contributing to the lives of our people and the preservations of our Planet's eco-balance.

Lumax has strived to bring latest technologies to the Indian roads with the objective of enhancing vehicle performance, improving body styling and aerodynamics, reducing weight of vehicle parts and driver fatigue. Lumax has constantly endeavored to keep abreast of the latest trends in technology and production techniques. Its manufacturing facilities are equipped with modern machines such as automatic bead laying, ultrasonic welding, hot melt sealing and hot plate sealing etc.

TPM is a backbone and main principle for surviving in current market conditions. From top management to bottom level TPM methodology is followed in each plant. As a result, a total of 14 JIPM Awards were achieved in 8 Plants including 1 special award and six awards are in process. Next calendar year 5 more plants are challenging for JIPM award.

Lumax Product Range:

The D K Jain group has Auto Component manufacturing capabilities across several product categories including End-to-End Automotive Lighting solutions, Air Intake systems, Integrated Plastic Modules, Gear Shifters, Seat Structures & Mechanisms, 2Wh Chassis, LED Lighting, Aerospace & Defense Engineering Services, Electric & Electronic Components etc. Lumax is world leader in Auto Lighting with 60% market share.

It has joint venture collaborations with several leading global Auto players – Stanley for Lighting, Cornaglia for Air Intake Systems, Mannoh for Gear Shifters, Gill-Austem for Seat Structures & Mechanisms, SIPAL (Tech-Pubs for Defense & Aerospace), Alpine, Ituran (Telematics Products & Services) & FAE for Oxygen Sensors.

Lumax Group consists of two listed companies-Lumax Industries Limited and Lumax Auto Technology Limited

Lumax Industries Limited Profile :

Lumax Industries Limited is a public limited company. It has 15 manufacturing plants spread across India strategically located near Customers. Out of these, four are located near New Delhi, in the cities, Dharuhera, Bawal & Biwadi in the states of Haryana & Rajasthan. five plants are in Pune, near Mumbai in Maharashtra, four plants are in Uttarakhand - Pantnagar, Haridwar, one is located in Bidadi, near Bengaluru in the state of Karnataka, and one plant was recently commissioned after expansion at Sanand Gujrat. These facilities have been laid out to match the world's best plant engineering standards. Our plants are producing automotive lighting for almost all OEMs.

Lumax Industries Ltd. Dharuhera Plant (Highlighted) is part of Lumax Industries Limited and has challenged JIPM Consistent TPM Award 2025.

Lumax Industries Ltd.-Dharuhera Plant: - (Plant Challenging Consistent TPM Award 2025)

Lumax Industries Limited-Dharuhera Plant ground breaking ceremony took place on 25th Nov-1996 and production started on Apr 1998.

This plant was established for manufacturing high technology, high volume products with new culture with capacity of 1.4 four wheeler Million Sets/Annum. of 4.2 two wheeler Million Sets/Annum Total Area of LIL-Dharuhera plant is 44000 sqm. Covered area is 26163 sqm (60%) remaining green area is 17837 sqm (40%). Total employees' strength is 1390 nos. Sale of this plant was INR 5360 million in FY 2024-25.

Lumax Dharuhera Plant is ISO-14001:2015, IATF 16949:2016, ISO 45001:2018 certified.

Product Range of Lumax Dharuhera plant is as below:

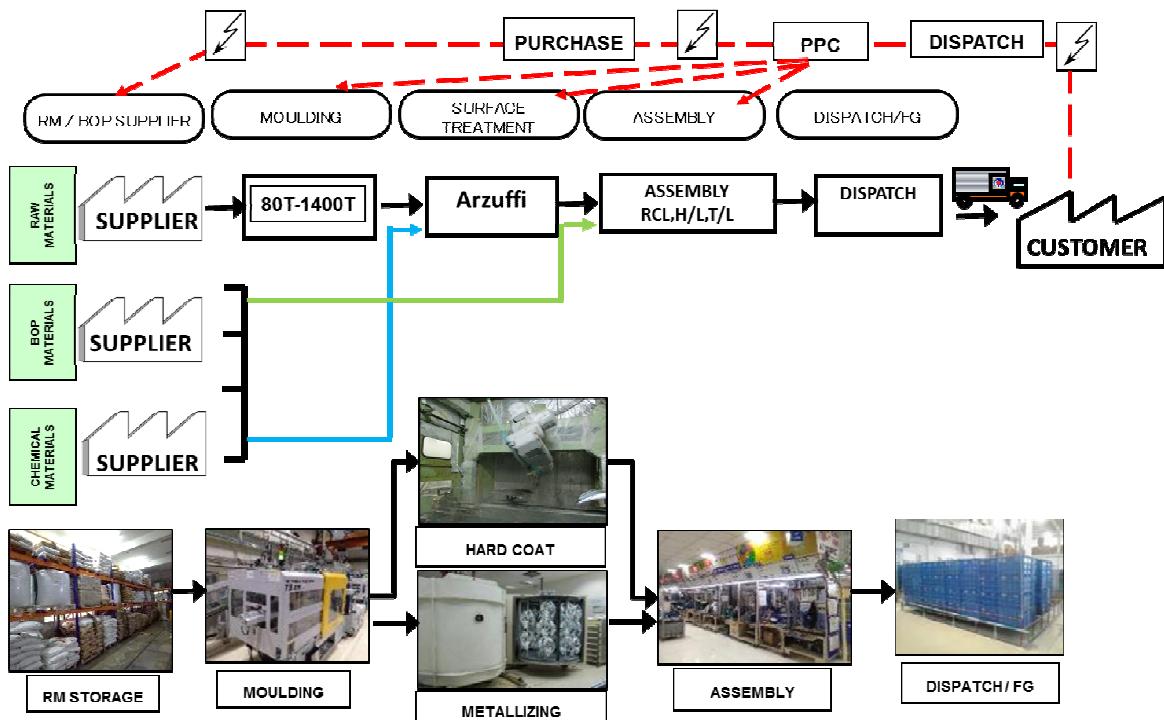
Lumax Dharuhera plant manufactures Head Lamps, Tail Lamps, Side Turn Lamps, Day Running Lamps, High Mount Stop Lamps & Reflex Reflectors.

CUSTOMER	LOCATION	YEARLY VOLUME (VEHICLE)	HEAD LAMP/TAIL LAMP	SMALL LAMPS
 <i>Way of Life!</i>	MSIL GURUGRAM (PLANT-1)	26,40,000		
	MSIL MANESAR (PLANT-2)	15,10,200		
	SMG	11,25,000		
 <i>The Power of Dreams</i>	HCIL SURAJPUR	41,300		
	HCIL TAPUKHERA	88,300		

CUSTOMER	LOCATION	YEARLY VOLUME (VEHICLE)	HEAD LAMP		TAIL LAMPS & OTHER LAMPS	
			HEAD LAMP	TAIL LAMP	HEAD LAMP	TAIL LAMP
	HMSI 1F (Manesar)	20,37,000 Nos				
	HMSI 2F (Tapukara)	7,67,000 Nos				
	HMSI CKD	6,94,200 Nos				
	HMSI 4F (Gujarat)	22000 Nos				
	IYM, SURAJPUR	183,000 Nos				

CUSTOMER	LOCATION	YEARLY VOLUME (VEHICLE)	HEAD LAMPS/TAIL LAMP		Other LAMPS
			HEAD LAMP/TAIL LAMP	Other LAMPS	
	HERO NEEMRANA AND DHARUHERA	22,78,000			
HERO 2 WHEELER	HERO GGN	30,98,500			
	SUZUKI 2 WHEELER	11,31,500			
JOHN DEERE 4 WHEELER	JOHndeere	93,800			
	TRUCK LITE 4 WHEELER	4,70,000			

Plant's Key Manufacturing Processes: - Moulding, Surface Treatment (Metalizing) and Assembly.



2-Milestones of LIL Dharuhera Plant.

We have understood that our sales have been increasing but till 2023-24, our profitability was in decreasing trend, there was a strong requirement of introspection of our business model and strategy. We conducted our Group SWOT analysis. The outcome of SWOT analysis was to have a clear vision for next 5 years for our functions like Marketing, Engineering, Manpower and

Manufacturing. For us TPM was the best tool to integrate all these functions to achieve our V2030 targets.

Lumax Dharuhera in line with philosophy of the company and the group has always been conscious of its product quality & services aiming to maximize shareholders value & services to all stakeholders.

Quality is a never ending journey at Lumax Dharuhera plant, which continuously improve all key performance parameters. Major challenges were to continue quality journey, include improving equipment reliability and employee competencies at all levels.

In today's competitive scenario it needs team work and TPM is one of the best manufacturing practices followed by, Lumax Dharuhera plant.

Since TPM Kick at system front we have introduced many activities, such as TPM Circle activity, QCC activity, Suggestion Schemes, OHSAS and 5S Implementation.

By following TPM Activity at our plant we were able to increase in customer confidence, increase business portfolio, Profit in two digits. Since Lumax Dharuhera Plant have added 28 new models in our business portfolio. Using the TPM activity learning we have installed new ESD Head lamp synchronous process with a reduced manufacturing lead time

2018 – ICQCC – Gold Award

2020 – TPM excellence Award Category -A

2024 – Awards from SMG for milestone of 1000/1000 marks

2024 – Award from HMSI for Smooth Product Launch

2024- QCFI CCQC awards 6 Nos



3 -Benefits Achieved:

TPM Implementation at Lumax Dharuhera Plant helped in achievement of business results (tangible) and intangible benefits. Through engagement activities, employees were highly motivated and there was drastic reduction in attrition rate. Below find some tangible benefits on Key Business Results in terms of PQCDSM.

<u>TPM Award Assessment Achievement Sheet</u>					
Company & plant name	Lumax Industries Limited Dharuhera Plant				
TPM Slogan/Objectives	Lighting Lumax - Lighting Life				
Category	Index	Unit	BM (TPM Started or last time awarded)	Target	Achievement
Enter the year →			2020	2024	2025
S	Number of work-related accidents requiring days off work	Cases/ year	0	0	0
S	Number of work-related accidents not requiring days off work	Cases/ year	0	0	0
P	Productivity for main products (Assembly Process)	Parts/Operator hours	16.44	18.00	24.3
P	OEE (or Overall Plant Efficiency)	%	83.30	84.00	85.5
P	Availability	%	93.83	93.50	93.5
P	Performance Rate	%	91.70	92.00	93.8
P	Quality Rate	%	96.82	98.00	97.5
P	Number of breakdowns	Breakdowns/ year	656	623	420
P	MTBF	Days	226	237	245
P	MTTR	Minutes	36	34	27
Q	Number of customer complaints	Number/year	10	0	2
Q	In-line defect rate (scrap)	%	3.70	1.70	1.65
Q	In-line defect rate (rework)	%	---	---	---
C	Cost index (Conversion Cost)	% To Sale	16.68	12.40	11.1
D	Production Lead time (Head Lamp)	Days	6.3	2.5	2.5
D	Delivery performance	%	100	100	100
S	Frequency rate	Number of occupational accidents with leave for 1 000 000 worked hours	0	0	0
M	Number of Employee Suggestions	Suggestion/person/year	1222 nos / year	12/person/year	10.8/person/year

4-Key of Our Manufacturing Excellence

The key to manufacturing Excellence lies in continual improvement activities and periodic review with Top Management of the results to meet the strategic performance & business results. With the learnings of improvements made in existing equipment's and plants, we will install new equipment's/ facilities by incorporating all improvements.

- 4.1** Lowest manufacturing cost
- 4.2** Deskilling of all processes
- 4.3** 100% Poka Yoke for defect systems
- 4.4** 100% FIFO in all storage systems
- 4.5** 100% automated material handling system
- 4.6** Indigenisation of development activities for reducing cost and lead time
- 4.7** Development of suppliers with TPM learning to provide cost benefits
- 4.8** Proficiency in new technology products

CSR activities:

- a) Adoption of a School for Swatch Bharat Abhiyan and provide basic amenities and improve the infrastructure of the school.
- b) Support nation building mission of “Sarva shiksha abhiyan” in which Encouragement provided to key communities for education.
- c) Lumax Ki Nanh Chhan (For Girl Child of Employee)
- d) Adoption of school for juvenile diabetes care center and provide basic health check-up.