



Lumax Industries Ltd, Chakan Plant -3 Plot No – A 79, Block C, Horizon Industrial Park, Sawaradari Chakan, Pune- 410 501, Maharashtra

1. 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 endeavoured 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 the backbone and main principle for surviving in current market conditions. From top management to the 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 last calendar year,

we total of 6 plants underwent JIPM TPM assessments. Current calendar year we applied 5 more plants.

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

2. Lumax Industries Limited Profile:

Lumax Industries Limited is a public limited company. It has **twelve manufacturing plants** spread across India, strategically located near Customers. Out of these, three are located near New Delhi, in the cities of Gurugram, Dharuhera, and Bawal in the state of Haryana. four plants in Pune, near Mumbai in Maharashtra, two plants in Uttarakhand - Pantnagar, Haridwar, one is located in Bidadi, near Bengaluru in the state of Karnataka, and two plants in Sanand at Gujarat state. 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., Chakan Plant 3 is part of Lumax Industries Limited and has challenged the JIPM TPM Excellence Award 2025.

Lumax Industries Ltd.-Chakan Plant 3: - (Plant Challenging TPM Excellence Award 2025)

Lumax Industries Limited-Chakan Plant started in the year 2022. This plant was established for the manufacture of the latest technology lamps for premium vehicles, high-volume products with a new culture, latest process design and layout with a capacity of 1 million vehicles set for lamps/Annum. The total area of the LIL-Chakan plant 3 is almost 24000 sqm. The covered area is 17000 sqm, and the remaining green area is 7000 sqm. Total employee strength is 500 nos.

Lumax Chakan Plant 3 is ISO-14001:2015, IATF 16949:2016, ISO 45001:2018, certified

2.1 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 & Defence 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 Defence & Aerospace), Alpine, Ituran (Telematics Products & Services) & FAE for Oxygen Sensors.

2.2 Customer at Lumax Industries Ltd, Chakan plant 3:

Lumax Industries Ltd mainly supports to customers in the passenger Car Segment – Tata Motors, Mahindra and Mahindra & Skoda Auto Volkswagen



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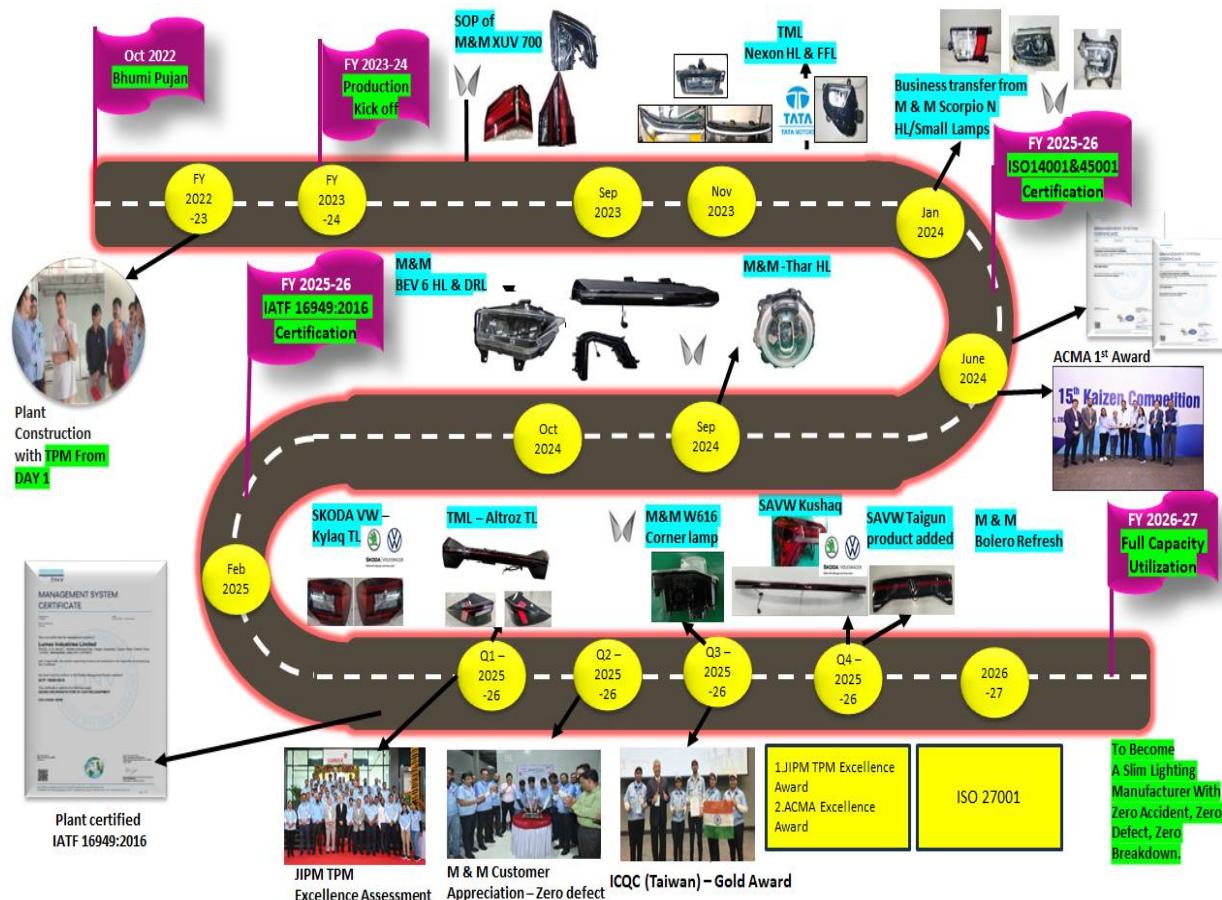


Lumax Chakan plant 3 manufactures Head Lamps, Tail Lamps, Fog Lamps with latest process technology.



2.3 -Milestones of LIL Chakan Plant 3.

We started TPM practices in this plant from starting and the commissioning phase itself and we implemented a theme “TPM from day 1” for this plant, as in other plants TPM is established well and in the Pune region other 2 plants practice TPM activities also achieved JIPM awards, hence it is easy to use same resources in this plant also. as a result of this from day 1 we got an excellent result in terms of PCQDSM and within 1.5 Yr of time frame the capacity of this plant is full with higher sale volumes.



3 -Benefits Achieved:

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

Company & plant name	Lumax Industries Ltd, Chakan plant 3, Pune (Maharastra)				
TPM Slogan/Objectives	Lighting Lumax - Lighting Life				
Category	Index	Unit	BM (TPM Started or last time awarded)	Actual Status	% Improvement
Enter the year →			Aug-23	As on Dec -25	
S	Number of work-related accidents requiring days off work	Cases/ year	0	0	100% 
S	Number of work-related accidents not requiring days off work	Cases/ year	12	2	83% 
P	Productivity for main products (Assembly Process)	Parts/Operator hours	2.6	3.3	27% 
P	OEE (or Overall Plant Efficiency)	%	68.09%	78.00%	9.91% 
P	Number of breakdowns	Breakdowns/ year	408	264	35% 
P	MTBF	Hour	1370	5560	75% 
P	MTTR	Hour	2.5	1.5	40% 
Q	Number of customer complaints	Number/year	50	0	100% 
Q	In-line defect rate (scrap)	%	3.20%	2.20%	31% 
C	Cost index (Conversion Cost)	% To Sale	14.20%	9.80%	31% 
D	Production Lead time (For 100 sets Head Lamp)	Days	1.80	1.46	19% 
D	Delivery performance	%	91	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	Suggesion/person/year	7	12	71% 

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 and plants, we will install new equipment/ facilities by incorporating all improvements.

- 4.1 Lowest manufacturing cost
- 4.2 Deskilling of all processes
- 4.3 100% Poka Yoke for defect-free systems
- 4.4 100% FIFO in all storage systems
- 4.5 Indigenisation of development activities for reducing cost and lead time
- 4.6 Development of suppliers with TPM learning to provide cost benefits
- 4.7 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 Nahi Chhan (For Girl Child of Employee)
- d) Adoption of school for juvenile diabetes care center and provide basic health checkup.