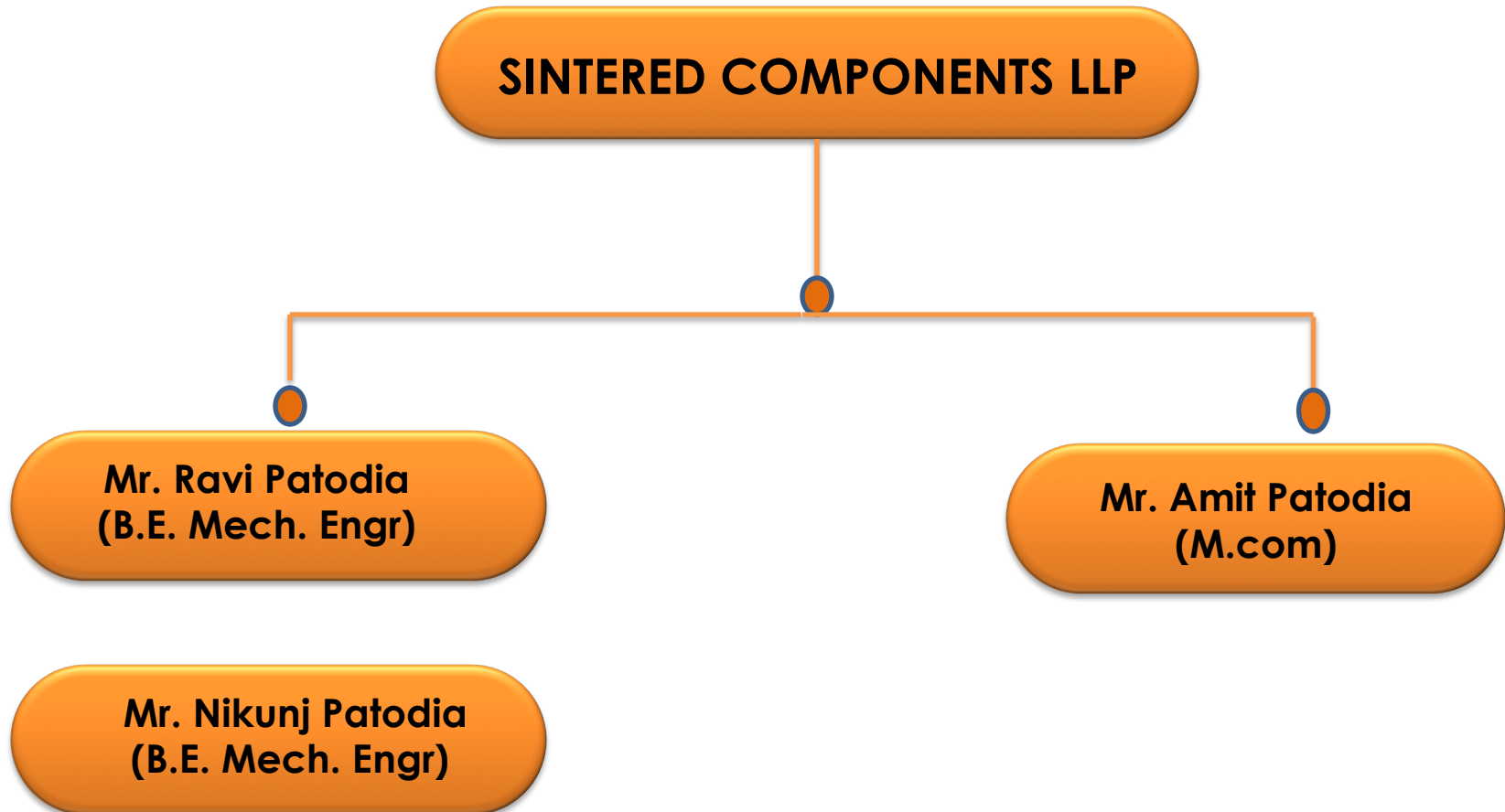


CORPORATE PRESENTATION





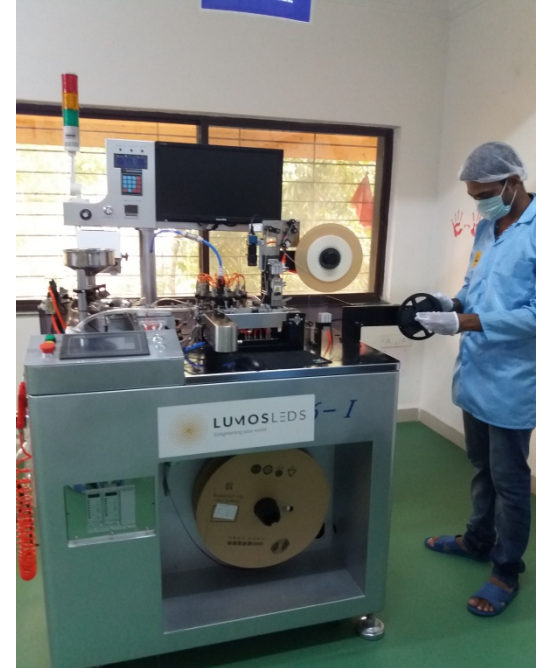
AGENDA

COMPANY UPDATES

FACILITIES

CERTIFICATIONS

- ❖ **Lumos LEDs** is a GROUP COMPANY OF THE PATODIA GROUP who are the pioneer in manufacturing of Incandescent Electric bulbs, machined gears and gear shafts serving India & International Markets from last two decades with state of the art technology & international quality standards.
- ❖ Keeping in mind Vision for India – *POWER SAVING IS AS GOOD AS POWER GENERATION*
Mr. Amit Patodia, Partner, has introduced SMD LED's for various applications under the Brand Name LUMOS.
- ❖ Our SMD LED products are developed keeping in mind longer horizons for Consumer that each product can be seen as a Direct Replacement of imported Products with same Light Output, Saving Considerable outflow of foreign currency and substitute imports. **A WORLD CLASS PRODUCT MADE ON INDIAN SOIL**



AT LUMOS LEDS WE BELIEVE MANUFACTURING LED'S IS AN ART NOT JUST A PROCESS

1. Light emitting diodes are very sensitive to dust moisture and static besides process control
2. At the manufacturing plant we have adopted and adapted means to stringently monitor diode manufacturing.
3. This assures us the perfect requirement to meet our customer specifications of
4. Light intensity (luminous efficiency)
5. Brightness and binning
6. Color rendering and temperature
7. Life expectancy

INDOOR & OUTDOOR LED'S OUTSTANDING FEATURES

- HIGH LUMINOUS EFFICIENCY
- LONGER LIFE
- HIGH BRIGHTNESS
- PACKAGE SIZE TO SUIT APPLICATION
- VIEW ANGLE 120-160 DEG.

COLOUR	WAVELENGTH	GEN. APPL
RED	600-630	AUTOMOTIVE, GEN. LIGHTING
YELLOW	580-595	AUTOMOTIVE, GEN. LIGHTING
GREEN	550-570	AUTOMOTIVE, GEN. LIGHTING
BLUE	460-475	AUTOMOTIVE, GEN. LIGHTING
WHITE	4000-7000K	GEN. LIGHTING



Incoming Wafer



99.99%Gold Wire



Yellow Phosphorous



A-B Silicone Glue



CERTIFIED

TÜV AUSTRIA CERT GMBH

EN ISO 9001

20100183003837

EN ISO 14001

20104183003838

2835 Package



3528 Package



T10 Bulb



Applications:

- ❖ Indoor Displays
- ❖ Back Lighting
- ❖ Interior Automotive
- ❖ Substitution of Fluorescent Lamps
- ❖ Signal and Symbol Luminaries
- ❖ General Lighting

Applications:

- ❖ Indoor Displays
- ❖ Back Lighting
- ❖ Interior Automotive

Applications:

- ❖ 4 Wheelers
- ❖ 2 Wheelers
- ❖ Cluster Panels
- ❖ Dashboards

	Reliability Test				
	Seoul	Bridgelux	CREE	OSRAM	LUMOSLED
S.No	Test Item	Test Item	Test Item	Test Item	Test Item
1	External Visual				External Visual
2	D.P.A				
3	ESD	ESD	ESD	ESD	ESD
4	Physical Dimension				Physical Dimension
5	Parametric Verification				Parametric Verification
6	Temperature Cycling	Temperature Cycle	Temperature Cycle	Temperature Cycling	Temperature Cycling
7	Power Temperature Cycle	Power Switching		Power Temperature Cycle	Power Temperature Cycle
8	High Humidity High Temp. operating Life	Temperature Humidity Operating Life	High Temperature Life Test		High Humidity High Temp. operating Life
9	High Temperature Operating Life	High Temperature Operating Life			High Temperature Operating Life
10	Solder ability				Solder ability
11	Resistance to Solder Heat		Resistance to Solder Heat (Reflow Soldering)	Resistance to Soldering Heat	Resistance to Solder Heat
12	Thermal resistance	Thermal Shock	Thermal Shock		Thermal Resistance
13	Wire Bond Strength				Wire Bond Strength
14	Bond Shear				Bond Shear
15	Die Shear				Die Shear
					Wire Bond Integrity
		Moisture/ Reflow Sensitivity	Moisture Resistance		
		Low Temperature Storage	Low Temperature Life Test	Pulsed Life test	Low Temperature Storage
		High Temperature Storage	High Pressure Storage		High Temperature Storage
		Low Temperature Operating Life			
			Low Temperature Storage		
			Temperature Humidity Storage		
			Vibration-Variable frequency		
			High Humidity Heat Life Test		
			Life Test	Steady State Life Test	
			Water Proof Test		Water Proof Test
				Temperature & Humidity Bias	
	Total: 14 Tests from Seoul	Total: 10 Tests from Bridgelux	Total: 14 Tests from CREE	Total: 7 Tests from OSRAM	Total: 18 Tests from LUMOS

- ❖ As we are based in Pune, We can give you weekly delivery which will help to manage your inventory better.
- ❖ Lower Inventory will result in cost saving.
- ❖ Since we will be Invoicing in INR you will be saving on regular fluctuation in USD dollar.
- ❖ We will always be cheaper than Multinational due to lower operating cost.

