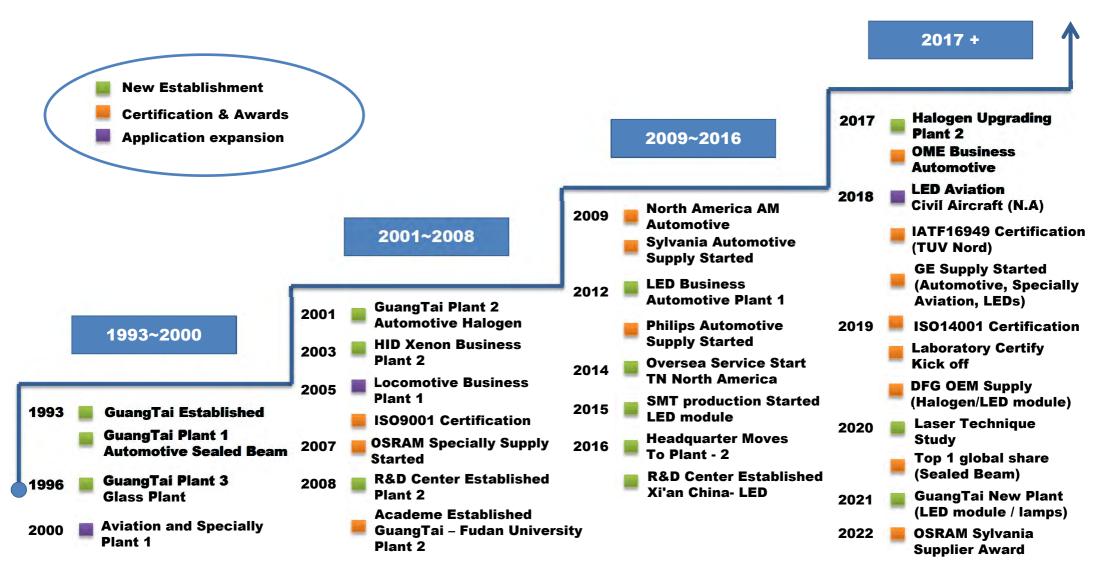




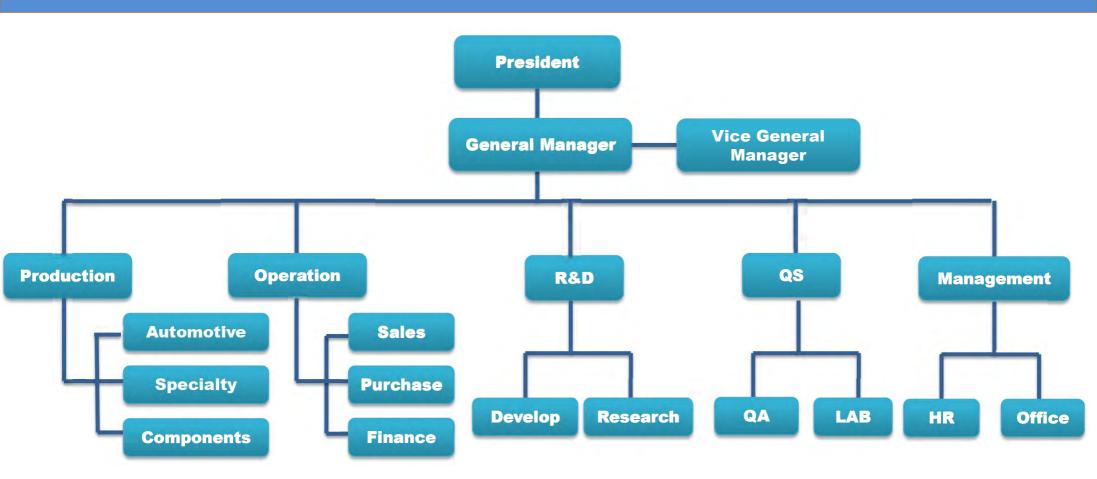


Company Profile 2024

Milestone



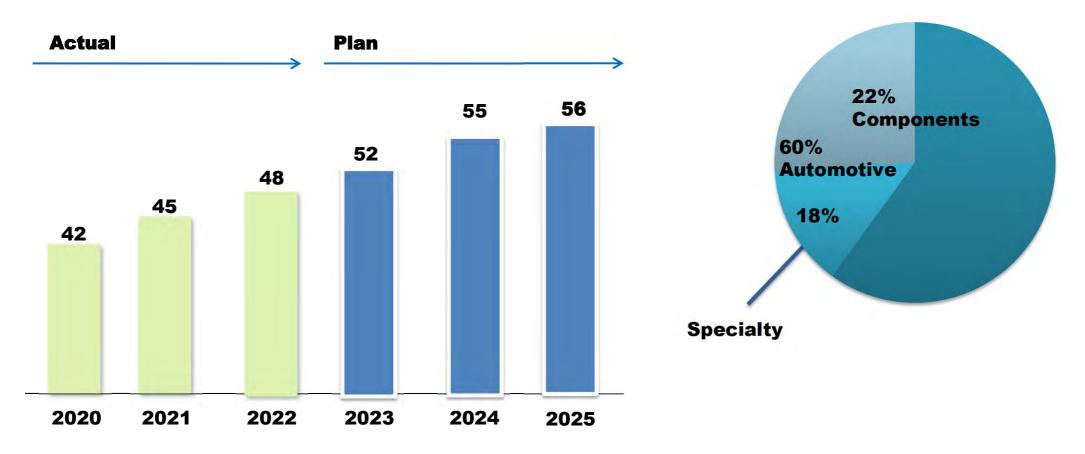
Organization



Revenue

Year 2020 - 2025

USD million



Main Customers



Manufacturing Sites



Plant 1 - 183,000 Square Ft

- LED Automotive
- LED Aviation And Specialty
- Specialty Sealed Beam
- Metal Component

P	Plant 2 - 172,000 Square Ft
•	Halogen Automotive HID Automotive
	Automotive Sealed Beam
۲	General Lighting



Plant 3 - 355,000 Square Ft

Glass Components

Coating

Organization	Description	Staffs
Production	Plant 1	168
	Plant 2	138
	Plant 3	236
Office		52
Quality		36
R&D		22
Totally		652

Double Filament





H4/9003

HS1 Motorcycle



HB1/9004



HB5/9007



H13







Single Filament





Professional Team (Engr. Quality. Production)



Excellent Lines (3.2M Monthly Capacity)



High Level Quality Control (100% Online Automatic Check)

Aftermarket Innovation Based on STD Portfolio

STD	Long Life	Rally	Dream Vision	Dream Vision Plus	Dream Vision Shine	Dream Vision Excellent	Xenon White	Xenon Crystal	Xenon Yellow	Heavy Duty	Two Wheeler	Heavy Duty longlife
Standard	Up to 2 times the Life	Maximum performance	Up to 50% more light	Up to 80% more light	Up to 110% more light	Up to 130% more light	Xenon white light	Xenon crystal light	Xenon yellow light	For truck use	For motor use	For truck use longlife
											-	
2X	XX Long Life XX											
Light output Light Color Light Color Light Color Life time	Light Color	Ught output Ught Color Ught Color Ulfe time	Ught Color	Light Color	· · · · ·	Ught output Ught Color Ught Color Ule time	Light output Light Cafer S Life time	Ught curput Ught Color Ught Color Ult time	Light output Light Color Light time	Light autput Light Color Life time	Light cutput Light Color Life time	Light output Light Color Light Color Light to time

OEM Vehicle Application

Product Certification



DOT Certified (Single and Dual Filament)



E-Mark Certified (KBA Germany)





Headlamp





KING LONG

上汔通用五菱

东风汽车馈团股份有限公司 DONGFENG MOTOR GROUP CO.LTD

长安汽车



Portfolio – Auto HID



HID Retrofit Aftermarket off-road



Aftermarket Innovation



Portfolio – Auto HID



Guangtai glove box - Braun Germany

- Automatic Control of the XENON Flow
- High Precision of the dimension control
- Dust Free and Constant Temp. Environment



Guangtai assembling and final control

- Automatic control of the glass shell
- 100% Pass the dimension testing and 3hrs aging

Product Certification



DOT Certified



E-Mark Certified (RDW Netherlands)



Guangtai LED Capability



- Strong R&D Capability
 - Optical Design
 - Electronic Design
 - Structural Design









- Production Capability
 - Static Free Cleanroom
 - High Speed SMT In-house
 - Flexible Assembling Line



- Quality Control
 - Online AOI (Automatic Optical Inspection)
 - X-Ray For the SMT Void Ratio
 - 100% Temp. Check

LED Module OEM Supply









Front Lamp

Turn Day Running Light Signal / Position

















Internal Light Reading Dome Lamp Door and Trunk Light

LED Headlights





2B1 5" x 7"

Hi/Low Beam

2D1 7"

Hi/Low Beam



2E1 4" x 6"

Hi/Low Beam



1A1 4" x 6"

High Beam



2A1 4" x 6"

Low Beam



DOT Certified





PAR36 4411

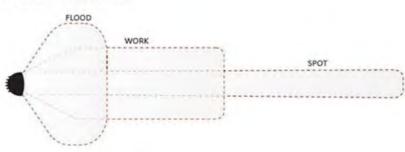
PAR36 4515

.Glass Lens and Aluminum Housing .DRL Lights Integrated .Socket Plug-In



LED Work and Driving lights

AuxiliaryPatterns



.Multifunctional Application .Aluminum Housing and PC Lens .Excellent Lumen Output









More portfolio www.gt-light.com

LED Retrofit – Fog Lights

Classical Version T1





Socket Approach T2



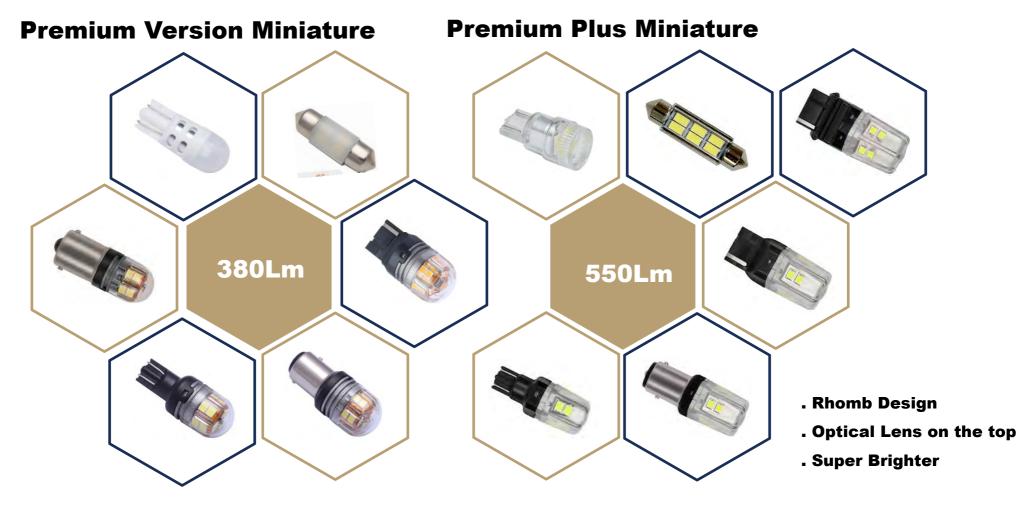


LED Retrofit – Fog Lights

Premium Version Two Wheels



LED Retrofit



Portfolio – Auto Sealed Beam



Portfolio – Specialty



More portfolio www.gt-light.com

Portfolio – Specialty

LED Aviation

NEW



LED Locomotive Headlights





Related Application



High Speed Train



Military



Fishing



Helicopter



Underwater



Machine shop

Portfolio – Glassware

Production Capability



- Three furnaces with 9 automatic lines
- Borosilicate glass with 36T Daily Capacity
- Product covers from 20g to 1500g
- All tooling design In-house

- Nine automatic drilling/cleaning lines
- Eleven Alu. And Semi-Hard Coating lines
- Flexible Production

Portfolio – Glassware





Household Electrical Application





Incoming









Chemical Analysis For Row Material.





Electronic Components









Process



Filament Welding



Laser Welding



Deflection Test



Tubing Firmness



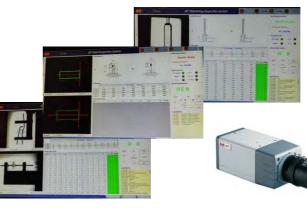
Axiality Test











Online Physical Check

Projector



Automatic Pressure Control

AQI Online Check

X-Ray Online Check

Temp. Testing

Final



Photometry LMT Berlin

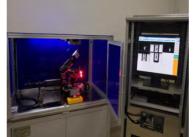
- Luminous Flux
- Color Coordinates
- Candlepower
- Beam Pattern





Vibration Test

- MIL-STD-214 / 205G
- SAE J575
- IEC 60810
- GB15766.2-2000





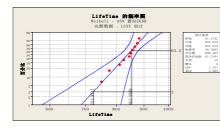
Bulb Physical Test

CPK Analysis



Automatic Record









Life Testing

- Testing Range From 6V to 240V

停止 打印 校准

- Over 1200 Testing Positions
- Automatic Record and Tc/B3 Life Analysis

Final



Thermal Shock And PTC



Surge Testing



Torque Testing



Stress Testing



Water Pressure Testing



Water Spraying Testing



Salt Testing



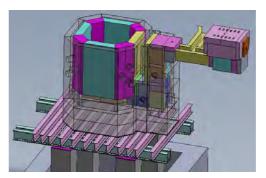
Expansion Coefficient

GuangTai R&D Center



JiaXing R&D Center

- New Product Development
- Process Improvement
- Automatic Manufacturing
- Machinery Development



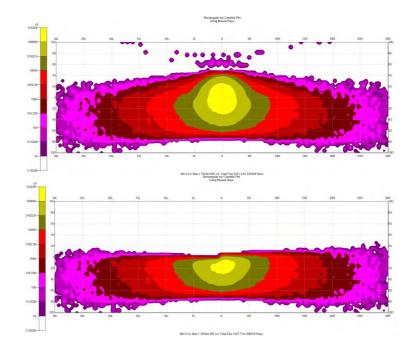


Xi'an LED R&D Team

- Design Team
- Electrical Engineering
- Optical Engineering
- Thermal Analysis Engineering







Future Application Concept

Automotive Lighting – LED, Laser



Specialty





GuangTai New Plant



560,000 Square Ft land location with 920,000 Square Ft of production workshop





Lighting The Future Innovation Change Life

