

Company Introduction

High performance TiO_2 pigments



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Company introduction



High Performance TiO_2 Pigments for Coatings



Company introduction



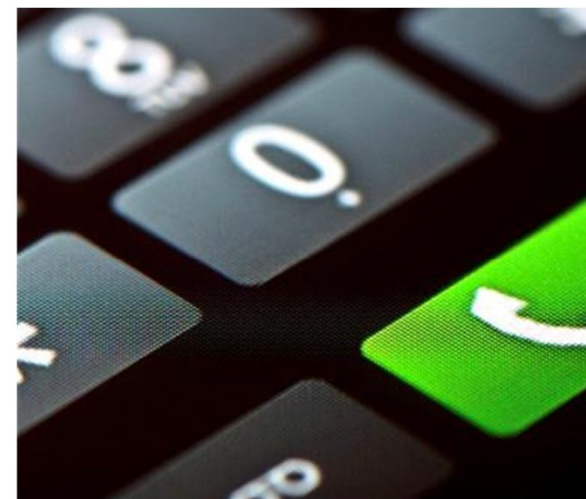
High Performance TiO_2 Pigments for Plastics



Company introduction



High Performance TiO_2 Pigments for Inks



Company introduction



High Performance TiO_2 Pigments for all Major Applications



China's global titanium dioxide (TiO₂) pigment producer



On 7 July 2021, our company name changed to LB Group

- Shenzhen Stock Exchange security abbreviation is LBG
- The securities code remains 002601

Simplified product branding of our TiO₂ pigments

- Branded XUELIAN® in China; BILLIONS™ outside China
- The LOMON® product brand name will no longer be used

Preparing to list on the Hong Kong Stock Exchange

- Subject to approval by:
 - the company's board of directors and shareholders
 - the China Securities Regulatory Commission
- Also subject to Shenzhen and Hong Kong Stock Exchange regulations



China's global titanium dioxide (TiO₂) pigment producer



>30 years of TiO₂ manufacturing experience

Listed on the Shenzhen Stock Exchange since **2011**

#3 TiO₂ pigment manufacturer globally

- **#1** in China and Asia

>1000kt TiO₂ pigment capacity...and rising!

5 partially integrated TiO₂ pigment plants in China

- **3** sulfate-process and **2** chloride-process plants

Vertically integrated in feedstock

- **#2** ilmenite producer in China

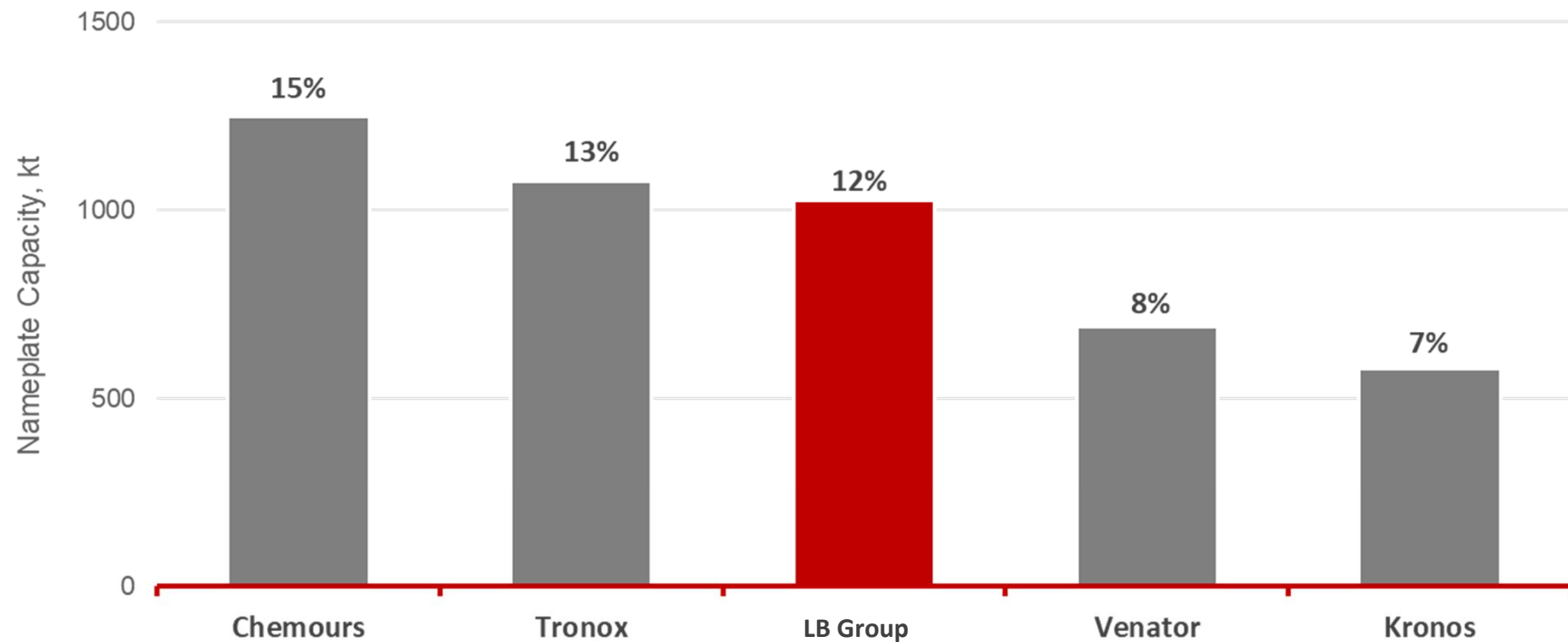


COMPANY TIMELINE

Over 30 years of TiO_2 pigment production

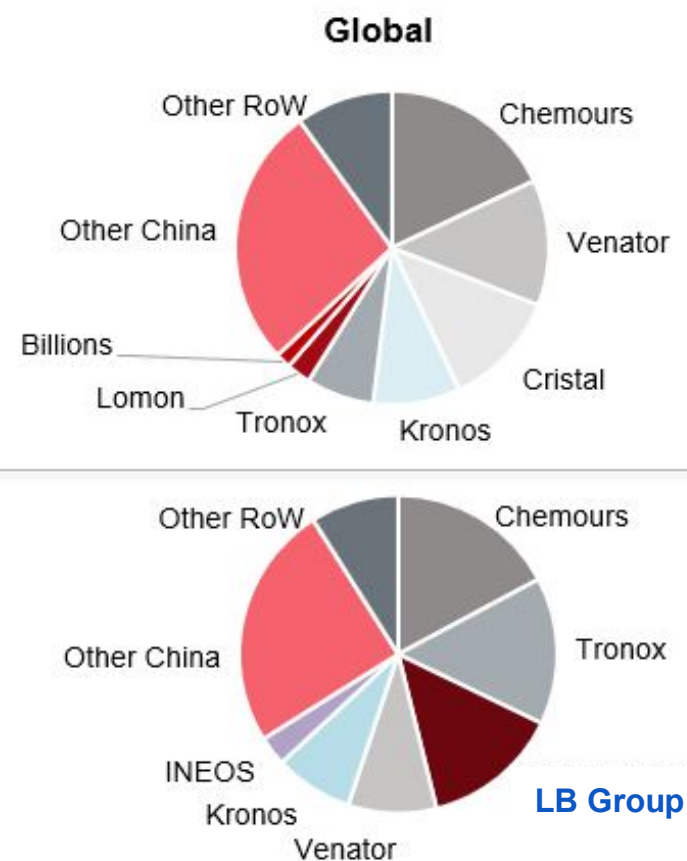
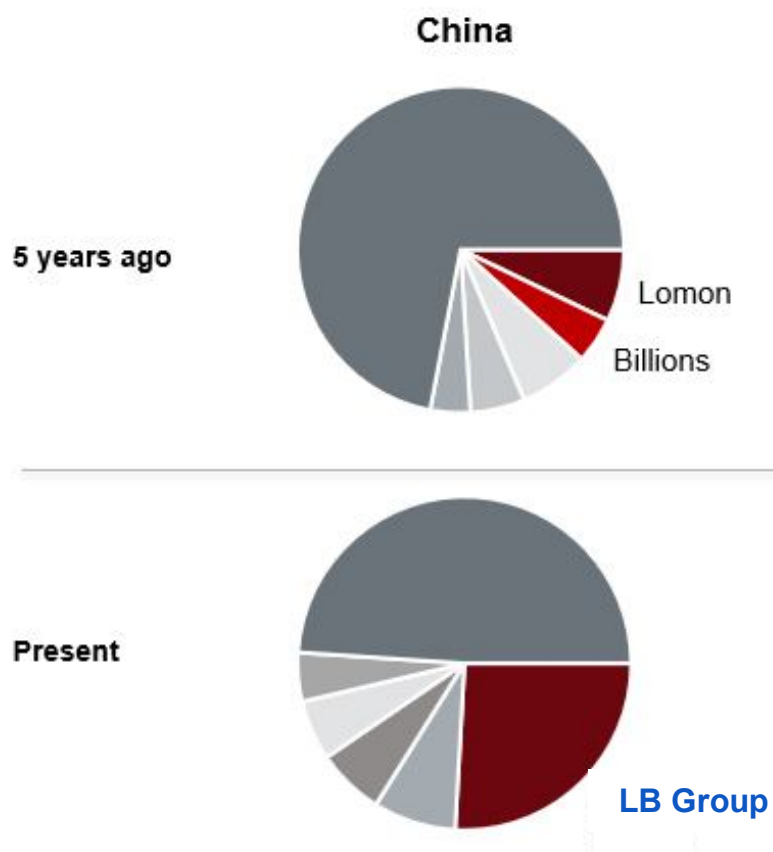


No. 3 globally in terms of TiO_2 capacity

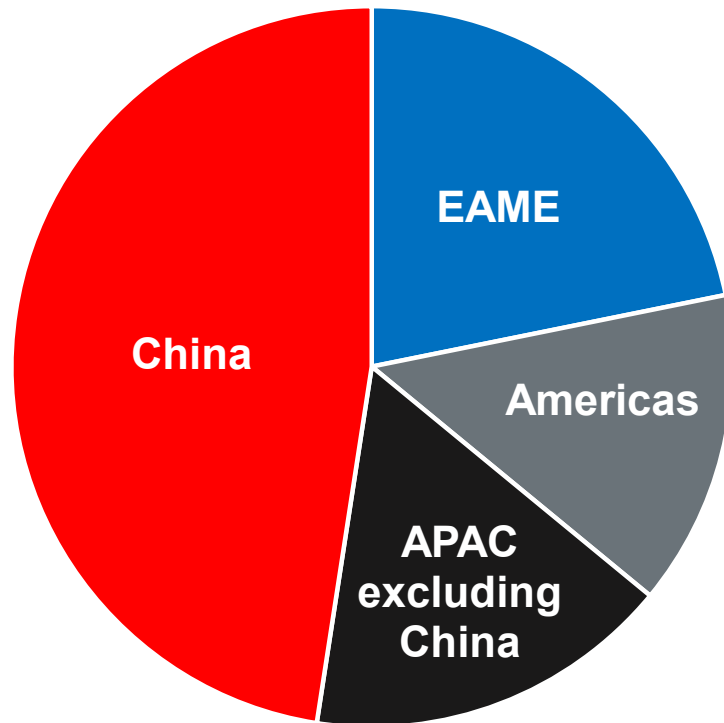


Management estimates & SEC Filings. Based on estimates for end of 2019 capacities

A dynamic, market-changing company



A worldwide sales presence



~50% export sales

Significant sales in each region

#1 TiO₂ exporter from China

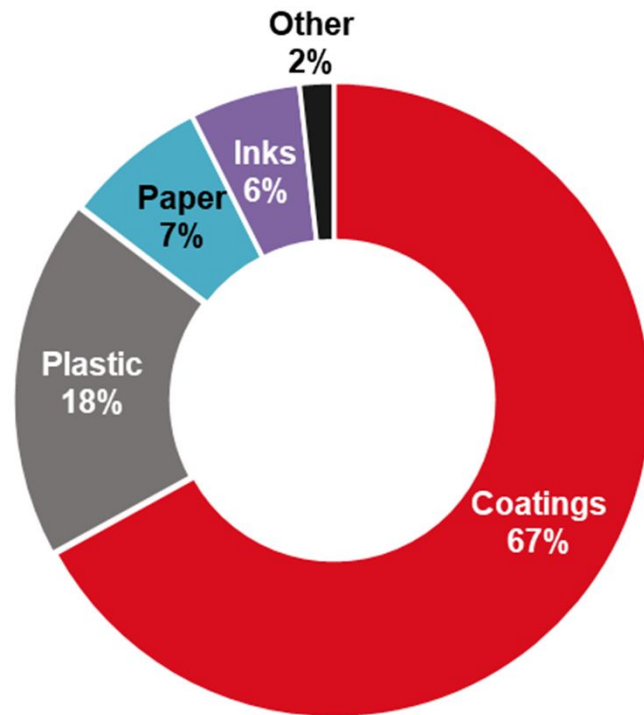
Exporting for 20 years

Based on 2020 sales data

Sales by application

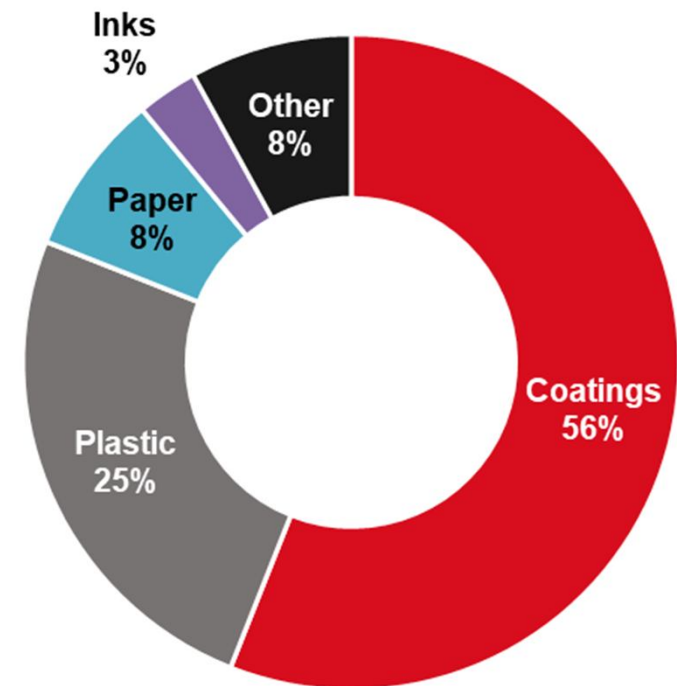


LB Group Sales by Application



Based on 2020 sales data

TiO₂ Market by Application



Source: Internal Estimates

A growing global presence



CHINA

Global HQ & technology center in Jiaozuo

5 TiO₂ pigment production sites
in 4 locations

- Deyang
- Jiaozuo
- Xiangyang
- Chuxiong

Ilmenite mine in Panzhihua

Sales office in Chengdu

Sales office in Shanghai

HONG KONG

Billions (Hong Kong) Corporation Ltd.

NORTH AMERICA

North American HQ in Chicago

EUROPE

European HQ in the UK





1 DEYANG

250 ktpa
Sulfate TiO_2



4 JIAOZUO

250 ktpa
Sulfate TiO_2



7 CHUXIONG

60 ktpa
Chloride TiO_2



2 PANZHIHUA

800 ktpa
Ilmenite
3,000 ktpa
Iron ore concentrate



5 JIAOZUO

250 ktpa
Sulfate TiO_2
300 ktpa*
Chloride TiO_2



8 CHUXIONG

80 ktpa
Titanium slag



3 XIANGYANG

150 ktpa
Sulfate TiO_2



6 JIAOZUO

300 ktpa
Titanium slag and
synthetic rutile



9 CHUXIONG

10 ktpa
Titanium metal



龙佰集团
LB GROUP



- Headquarters
- TiO_2 pigment production
- Ilmenite and iron ore concentrate production
- Titanium slag production
- Titanium metal production

* New 200ktpa capacity now online; gradual ramp-up of production run-rates underway

Chuxiong site (former Xinli)

Refurbished and restarted; plans to expand all areas



Chloride Pigment

- Restarted January 2020
- Same technology as Line 1 at Jiaozuo
- Plans to debottleneck and add 2 new lines based on Jiaozuo Line 2 & 3 design
 - Construction of the first new 100kt line under way

Titanium Slag Smelting

- Successfully produced titanium slag and pig-iron in September 2019
- Current capacity around 80kt
- Investing to increase future capacity to around 200kt

Titanium Sponge

- Successful production of titanium sponge in October 2019
- Currently 10kt capacity, expanding to a future capacity of around 50kt



Jiaozuo chloride TiO_2 pigment

Extensive investment in expanding capability



Original 100ktpa capacity line, commissioned 2015

- Highly consistent production output

200kt chloride pigment capacity expansion

- Two new 100kt lines now producing commercial quantities
 - ~70% capacity utilization in 2020
 - Gradual ramp-up to maximum capacity ongoing

Expansion project underway

- Construction of a new 100kt line (line 4)

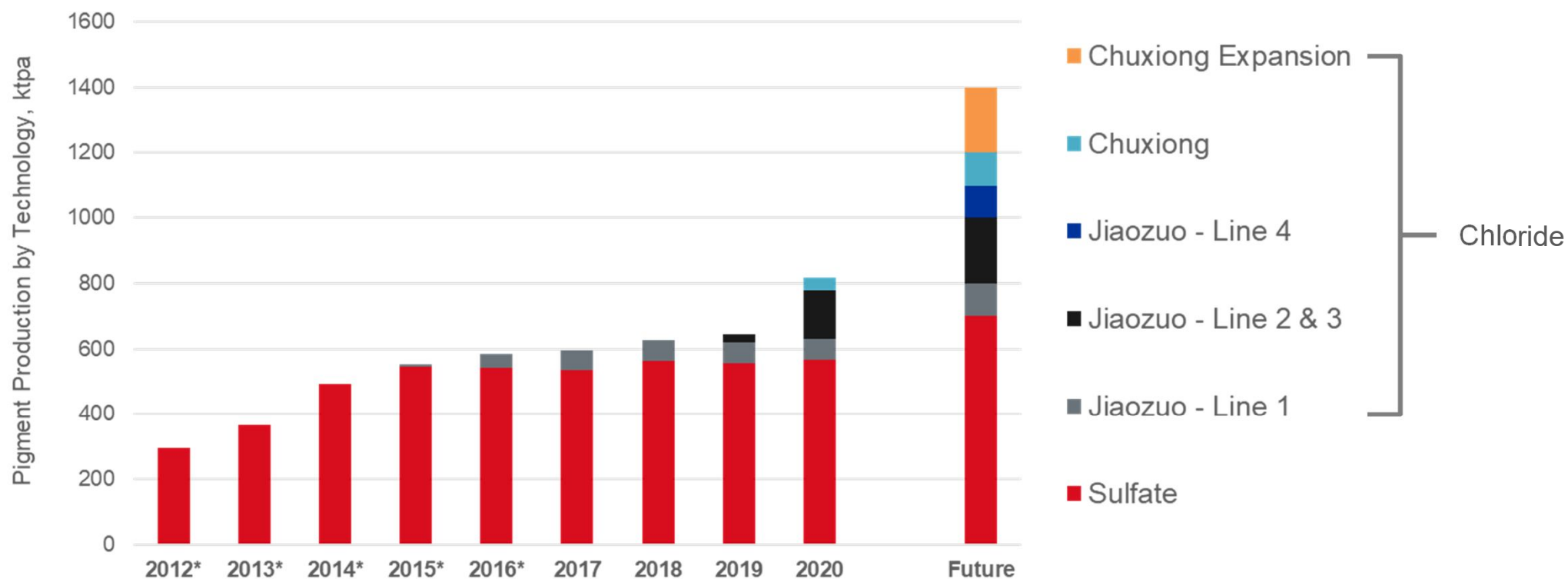


Summary of chloride TiO₂ production



	Jiaozuo	Chuxiong (Xinli)
Current capacity	~300kt	~60kt
2019 output	~75kt	0
2020 output	~210kt	~40kt
New developments	Construction of new 100kt line Estimated completion by 2022	Construction of new 100kt line Estimated completion by 2023
Future plan	Capacity of 400kt across 4 lines	Capacity of 300kt across 3 lines
Total Capacity	700kt chloride-process TiO ₂ pigment capacity by ~2025	

Significant production increases planned



* Proforma Lomon Billions: Sichuan Lomon Titanium + Henan Billions

Vertically integrated in feedstock



Chloride slag smelters in Henan and Yunnan, China

Synthetic Rutile facilities in Henan, China

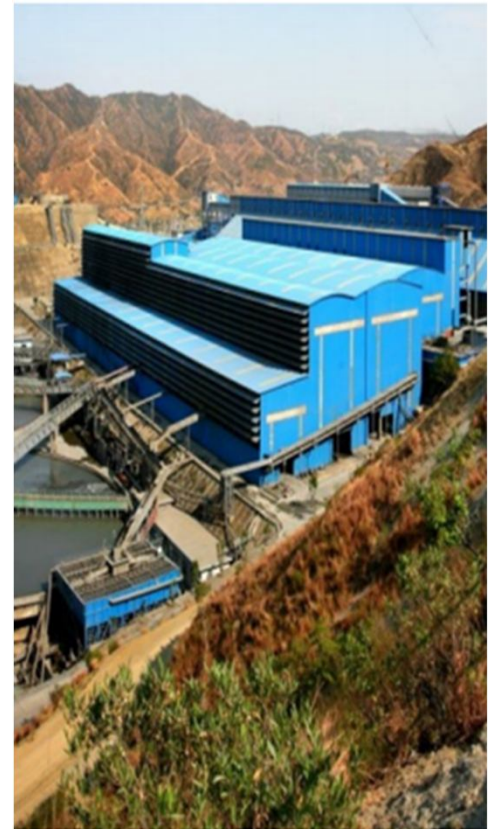
Ilmenite / iron ore mine in Sichuan, China and ilmenite ore mine in Yunnan, China

- ~60% self-sufficient for sulfate pigment feedstock

Multi-billion dollar investment to develop titanium rich mineral mining in Panzhihua signed in July 2020

- Feedstock for chloride-process TiO_2 pigment
- Titanium sponge and titanium alloy production

Objective is to be fully integrated for both sulfate and chloride-process pigment feedstock





SPECIALIST SULFATE AND CHLORIDE TiO_2 PIGMENTS DESIGNED FOR SPECIFIC APPLICATIONS

COATINGS



BILLIONS™ BLR-698
BILLIONS™ BLR-699
BILLIONS™ BLR-895
BILLIONS™ BLR-896*
BILLIONS™ R-996
BILLIONS™ LR-972
BILLIONS™ LR-961

PLASTICS



BILLIONS™ BLR-688
BILLIONS™ BLR-886
BILLIONS™ LR-108

PRINTING INKS



BILLIONS™ TR52
BILLIONS™ TR53*
BILLIONS™ LR-982

PAPER LAMINATE



BILLIONS™ BLR-852*
BILLIONS™ LR-952

*New pigments currently being trialled by customers

Portfolio of high-performance TiO₂ pigments



A balanced portfolio of sulfate and chloride-process TiO₂ pigments

- Products tailored to specific end-uses within each major application area
- Developed for the global market in collaboration with customers

Strengthening global competitiveness

- Access to a wider range of geographical markets and applications
- Strong product offer to suit market preferences



Growing fast and investing in the future



Investing to become

- Global leader in TiO_2 pigment production
- Fully vertically integrated in feedstock
- Horizontally integrated in other areas of the titanium industry

Investing for sustainable production

- Replacing use of third-party coal-fired energy with clean energy source
- Investing to reduce, reuse or recycle waste by-products

Investing in technical excellence

- Modern manufacturing techniques, with state-of-the-art equipment
- Purpose-built 12,000m² technology center
- Continued investment in chloride technology
- Development of an extensive portfolio of high-performance pigments



THANK YOU



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创造钛美生活，做受尊敬企业
Create a better life, Be a respected enterprise