



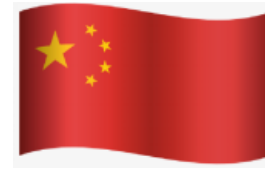
JD
Advance Materials

Wear-resistant metal liners for large SAG mills and Ball mills

Luoyang Jinda Machinery Equipment Co., LTD



About us



Luoyang Jinda Machinery Equipment Co., Ltd. was established in 2004.



Chaoyang Town, Mengjin District, Luoyang City, Henan Province, China.



We cooperate with wear-resistant material research centers of internationally renowned universities and domestic well-known mining equipment companies and materials research institutes. And we researched and developed new metal wear-resistant materials by ourselves.



Enterprise production area, accounting for 13,000 square meters. The annual production capacity of our company is 20,000 tons.



Wear-resistant metal liners for large SAG mills and Ball mills.



About the product



Our company specializes in the production of metal wear-resistant material products. Under independent research and development, the company's new wear-resistant materials have two characteristics: 1. Material advanced and scientific; 2. Advanced, scientific and unique heat treatment process. The production liners have high hardness and toughness, long service life, and do not break during the whole use process. The service life of liners is about 30% longer than that of similar products in the same industry. Effectively ensure the mill operating rate, reduce operating costs, and improve economic benefits.

Advantage:

- The service life of liners is higher than that of similar products in the same industry;
- No breaking, no cracking, no deformation.



Product



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1 Wear-resistant metal liners for large SAG mills and Ball mills:

- Semi-autogenous mills;
- Full autogenous mills;
- Ball mills;
- Vertical mills.





Product



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The service life of liners produced by Luoyang Jinda is about 30% longer than that of similar products in the same industry.

2

Wear-resistant metal liners for large SAG mills and Ball mills





Product



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3

Mill Liners



Billion Colour Photography



Billion Colour Photography



Product



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4

Wear-resistant metal liners for large Ball mills and Vertical mills

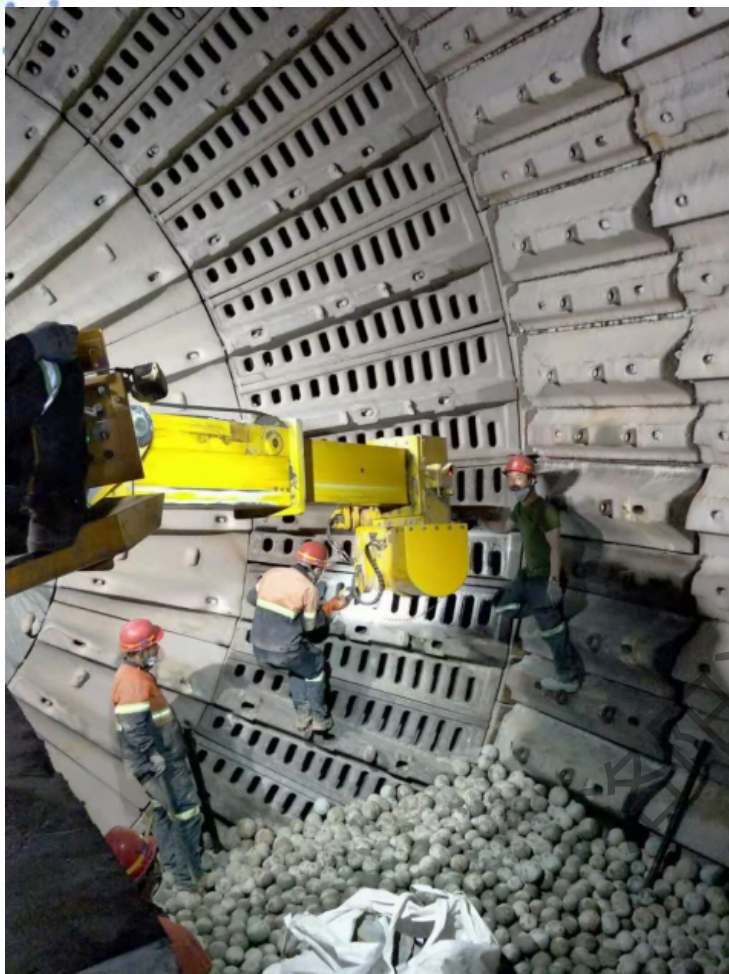




Product usage effect



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1

Installation of liners produced by Luoyang Jinda

Date: May 15, 2021

Location: Duobaoshan Copper Mine,
Heilongjiang Province, China

(It belongs to the Zijin Mining Group Co., Ltd.)

SAG mill $\Phi 11 \times 6.4\text{m}$

Install the whole set of liners.

The service life: 126 days.

The ore processing capacity: 5.15 million tons.
(Contract guarantees 3.6 million tons).



Product usage effect



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Installation of liners produced by Luoyang Jinda

2

Date: October 8, 2022

Location: Zijinshan gold-copper Mine,
Fujian Province, China

SAG mill $\Phi 11 \times 5.4\text{m}$

Installation of shell liners and grate plates.





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No	Mill type	Long-term customer	location
1	SAG Mill Φ7.5*3.6m	Wuzhou Yinxing Mining Co., Ltd., Urad Rear Banner	China
2	SAG Mill Φ11 *6.4m	ZIJIN MINING GROUP COMPANY LIMITED--Heilongjiang Duobaoshan Copper Industry Co., Ltd	China
3	SAG Mill Φ9.75*4.72m	Yunnan Diqing Nonferrous Metals Co., Ltd--Pulang Copper Mine	China
4	SAG Mill Φ10.37*5.19m	Jinduicheng Molybdenum Industry Group Co., Ltd. --Jinduicheng Molybdenum Industry Ruyang Co., Ltd	China
5	SAG Mill Φ11*5.4m	ZIJIN MINING GROUP COMPANY LIMITED--Longyan Copper Third Factory	China
6	SAG Mill Φ6.4*3.2m	ZIJIN MINING GROUP COMPANY LIMITED--Longnan Zijin Mining Co., Ltd	China
7	SAG Mill Φ7.5*3.2m	ZIJIN MINING GROUP COMPANY LIMITED--Xizang Julong Zhibula Concentrator	China
8	SAG Mill Φ10.37*5.4m	Taiyuan iron and steel LAN County mine	China
9	SAG Mill Φ6.0*3.5m	Jinshan Mining Co, Inner Mongolia	China
10	SAG Mill Φ6.0*6.0m	Guangxi Jinchuan Nonferrous Metals Co., Ltd	China
11	SAG Mill Φ6.7*3.6m	Guangxi Longzhou Xinxiang Ecological Aluminum Industry Co., Ltd	China
12	SAG Mill Φ5.5*3.5m	Inner Mongolia Yinman Mining	China
13	SAG Mill Φ7.9*6m	ZIJIN MINING GROUP COMPANY LIMITED-- Aurora Gold Mine	Guyana
14	SAG Mill Φ7.5*3.9m	ZIJIN MINING GROUP COMPANY LIMITED-- Serbia Zijin Mining Co., Ltd.	Serbia
15	SAG Mill Φ10.37*5.19m	ZIJIN MINING GROUP COMPANY LIMITED--Xizang Julong Zhibula Concentrator	China
16	SAG Mill Φ10.36*4.59m	Armenia Zangezur Copper Molybdenum Combine Closed Joint Stock Company	Armenia
17	SAG Mill Φ9.75*5.8m	Jilin Tianchi Molybdenum Co., LTD	China



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No	Mill type	Long-term customer	location
1	Ball Mill $\Phi 5.5 \times 8.5\text{m}$ Ball Mill $\Phi 5.03 \times 8.5\text{m}$	ZIJIN MINING GROUP COMPANY LIMITED--Longnan Zijin Mining Co., Ltd	China
2	Ball Mill $\Phi 4.8 \times 7\text{m}$	Luanchuan Hengyu Mining Co.,Ltd.	China
3	Ball Mill $\Phi 3.2 \times 5.4\text{m}$	La Compagnie Minire de Musonoi Global Socit par actions simplifie	Africa- Democratic Republic of Congo
4	Ball Mill $\Phi 2.4 \times 3.6\text{m}$	Ruili Jintong Import & Export Co., Ltd.	China
5	Ball Mill $\Phi 4 \times 7\text{m}$	Qinghai Hongxin Mining Co., Ltd.	China
6	Ball Mill $\Phi 7.9 \times 13.6\text{m}$	Heilongjiang Duobaoshan Copper Industry Co.,Ltd.	China
7	Ball Mill $\Phi 7.9 \times 13.6\text{m}$	ZIJIN MINING GROUP COMPANY LIMITED--Zijinshan Copper-Gold Mine	China
8	Ball Mill $\Phi 3.6 \times 6\text{m}$ Ball Mill $\Phi 2.7 \times 4\text{m}$ Ball Mill $\Phi 3.2 \times 4.5\text{m}$	Russia Longxing Mining Development Co., Ltd.	Russia



About standard



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1

LUOYANG JINDA implements the quality management system, standard GB/T19001-2016/ISO9001:2015.

2

LUOYANG JINDA implements an environmental management system, standard GB/T24001-2016/ISO14001:2015.

3

LUOYANG JINDA implements an occupational health and safety management system, standard GB/T45001-2020/ISO45001:2018.

Quality Management System Certificate

No: 117924Q0039R05

→ We hereby certify that the organization

Luoyang Jinda Machinery Co, Ltd

Unified social credit code:
914101227571370098

Registration: Luoyang City, Henan Province

Audit Address:
Chaoyang Street, Chaoyang Town, Mengjin County,
Luoyang City, Henan Province

is in conformity with:

GB/T19001-2016 idt ISO9001:2015

The certificate is valid to the following products/service:
Manufacturing of mill accessories (lining plate, vertical grinding roller, roller
press roller shell, roller sleeve)

Date of Issue: 2024-09-26

Date of Initial:

Date of:



After the issuance of this certificate, it will remain valid only if the certified organization accepts
surveillance audit at regular intervals within the validity. This certificate can be inquired on the
official website of the National Certification and Accreditation.
Administration: www.cnca.gov.cn period and is audited to be qualified.

Chunhui International Certification Co., Ltd

No. 1111, Floor 11, Building B, Guo'an Economic and Trade Building, No. 1346, Hanghui
East Road, Zhengzhou Area (Economic Development Zone), Henan Pilot Free Trade Zone

Environmental Management System Certificate

No: 117924E0098R05

→ We hereby certify that the organization

Luoyang Jinda Machinery Co, Ltd

Unified social credit code:
914101227571370098

Registration: Luoyang City, Henan Province

Audit Address:
Chaoyang Street, Chaoyang Town, Mengjin County,
Luoyang City, Henan Province

is in conformity with:

GB/T24001-2016 idt ISO14001:2015

The certificate is valid to the following products/service:
Manufacturing and related management activities of mill accessories
(lining plate, vertical grinding roller, roller press roller shell, roller sleeve)

Date of Issue: 2024-09-26

Date of Initial:

Date of:



After the issuance of this certificate, it will remain valid only if the certified organization accepts
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Chunhui International Certification Co., Ltd

No. 1111, Floor 11, Building B, Guo'an Economic and Trade Building, No. 1346, Hanghui
East Road, Zhengzhou Area (Economic Development Zone), Henan Pilot Free Trade Zone

Occupational Health And Safety
Management System Certificate

No: 117924S0094R05

→ We hereby certify that the organization

Luoyang Jinda Machinery Co, Ltd

Unified social credit code:
914101227571370098

Registration: Luoyang City, Henan Province

Audit Address:
Chaoyang Street, Chaoyang Town, Mengjin County,
Luoyang City, Henan Province

is in conformity with:

GB/T45001-2020 idt ISO45001:2018

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Chunhui International Certification Co., Ltd

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About Research and Development (R&D)



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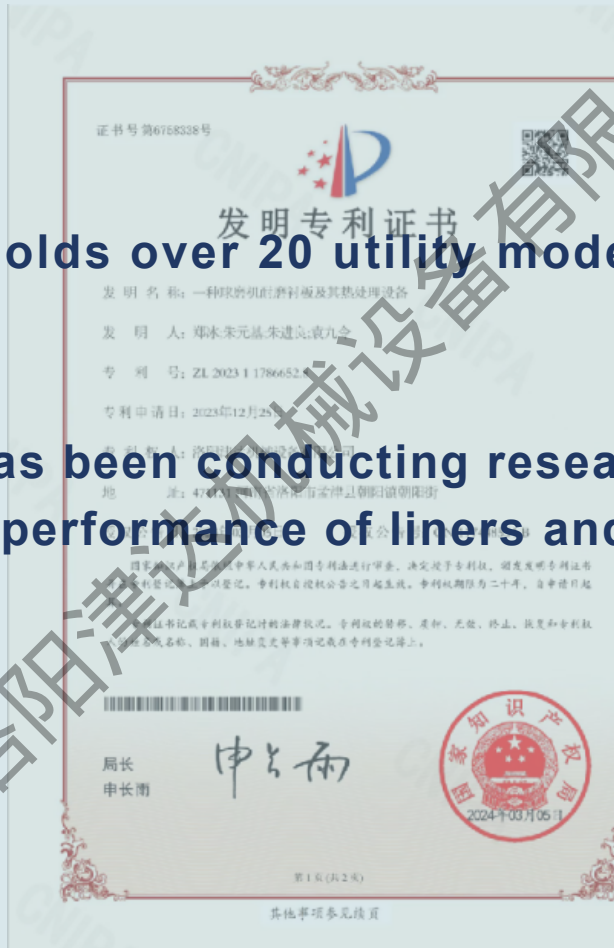
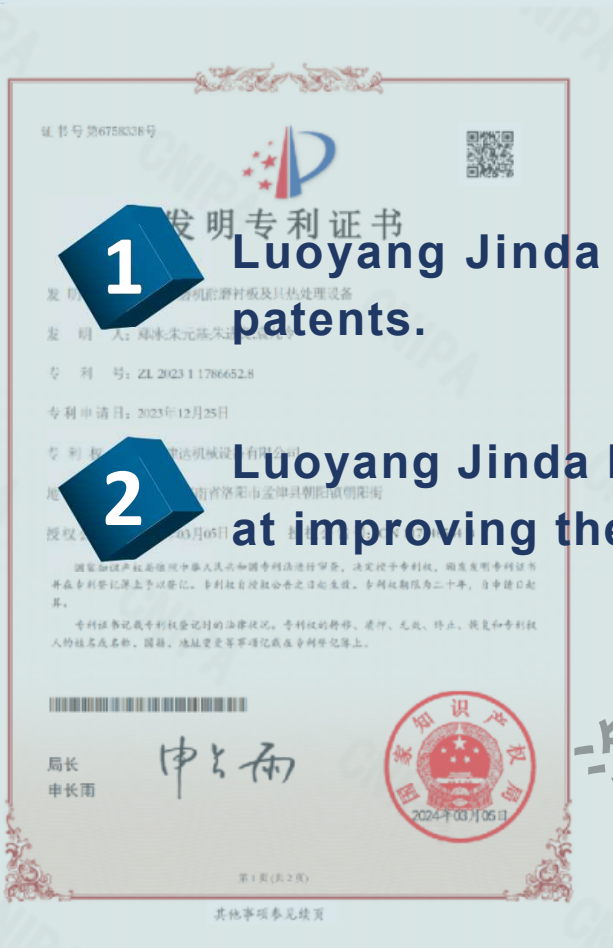
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Luoyang Jinda holds over 20 utility model patents and 2 invention patents.

2

Luoyang Jinda has been conducting research and development aimed at improving the performance of liners and production processes.





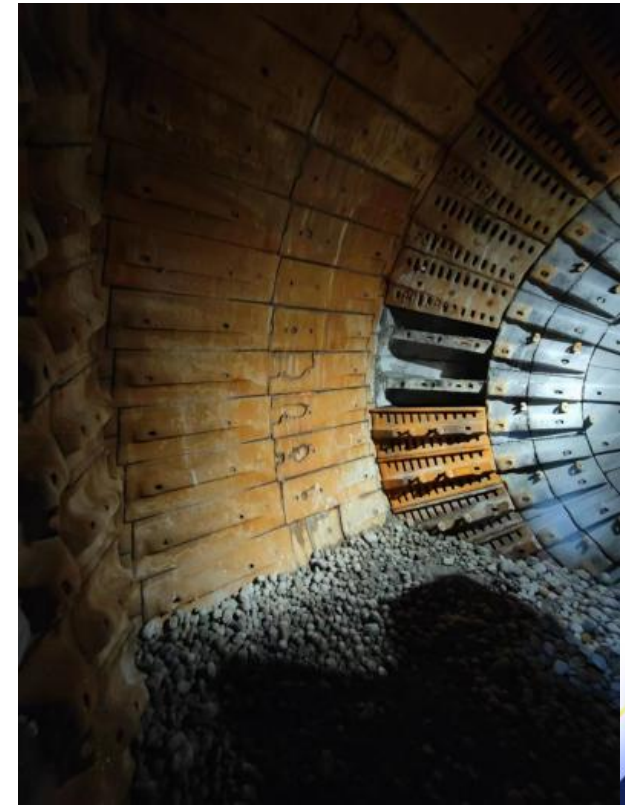
**Wear-resistant metal liners for large SAG mills
and Ball mills**



Case 1:

Liners produced by the internationally renowned liner manufacturer M1 in a large copper mine $\Phi 11 \times 5.4\text{m}$ SAG mill.

- Running for 75 days with $\Phi 140\text{mm}$ steel balls, using liners produced by international company M1.





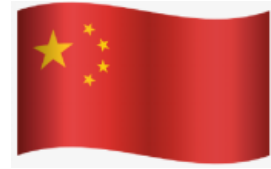
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Case 1:

Liners produced by the internationally renowned liner manufacturer M2 in a large copper mine $\Phi 11 \times 5.4\text{m}$ SAG mill.

- In July 2022, the same mill ran for 73 days with $\Phi 140\text{mm}$ steel balls, using liners produced by international company M2.**





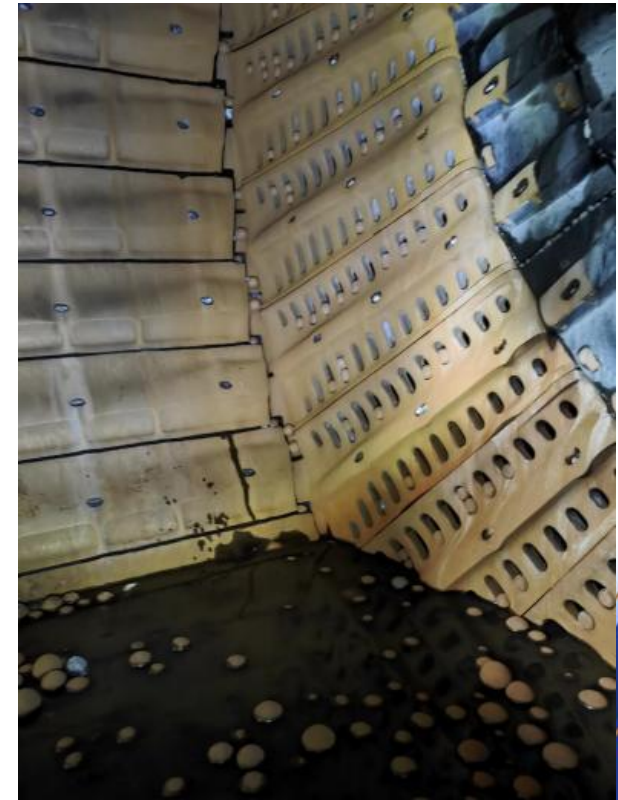
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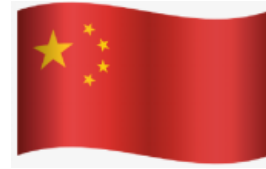
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Case 1:

Liners produced by Luoyang Jinda in a large copper mine $\Phi 11 \times 5.4\text{m}$ SAG mill.

- The same mill runs for 75 days with $\Phi 140\text{mm}$ steel balls, using liners from Luoyang Jinda.



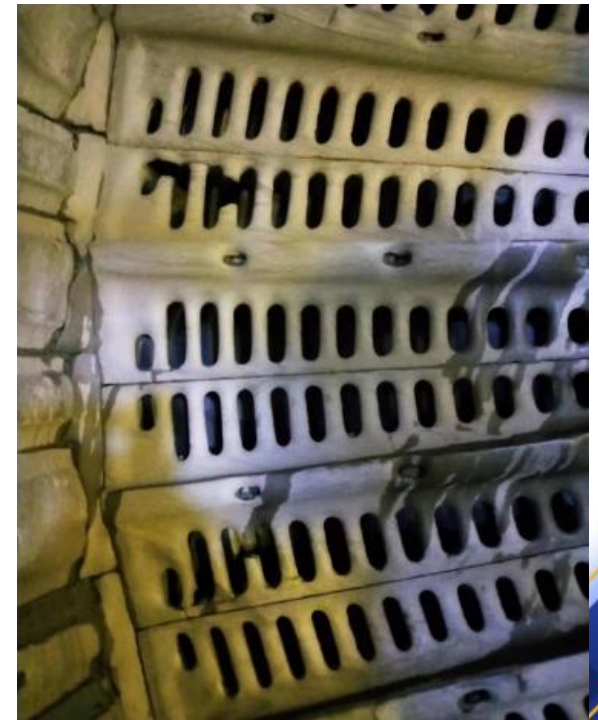


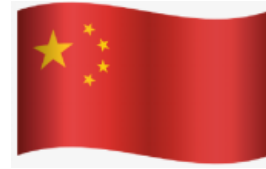
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Case 2:

Liners produced by the internationally renowned liner manufacturer N1 in a large gold and copper mine equipment with $\Phi 11 \times 6.4\text{m}$ SAG mill.

- Running for 45 days with $\Phi 140\text{mm}$ steel balls, using liners from manufacturer N1.
- Shell liners and grate plates fractured.



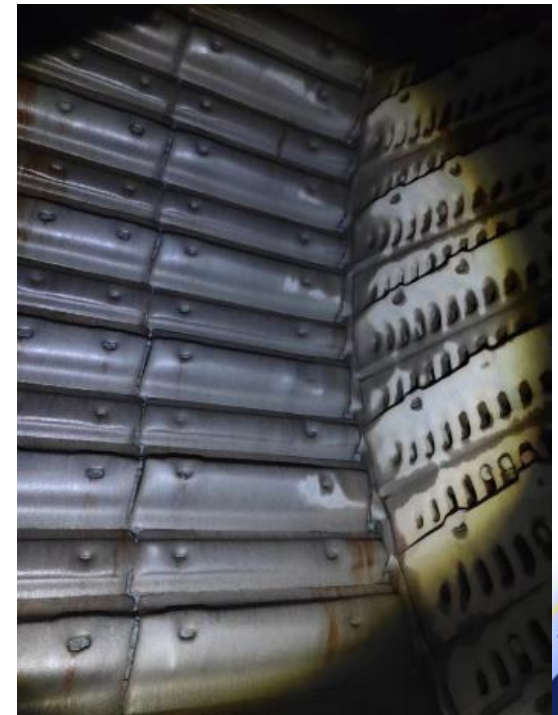


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Case 2:

Liners produced by Luoyang Jinda in a large gold and copper mine equipment with $\Phi 11 \times 6.4\text{m}$ SAG mill.

- The same mill runs for 105 days with $\Phi 140\text{mm}$ steel balls, using liners from Luoyang Jinda.
- Intact and smooth surface, without breakage or fracture.



Comparison with the quality of liners from other manufacturers



- The grate plates of Luoyang Jinda have been used for 165 days, without deformation or cracking.





Contact Us



Engineers and technical experts from **Luoyang Jinda**
Always ready to answer all your technical questions

Website: www.lyjinda.com

Email: hljinda@lyjinda.cn



Tel: +86 182 119 79505

+86 138 037 90488

WhatsApp: +86 182 119 79505

