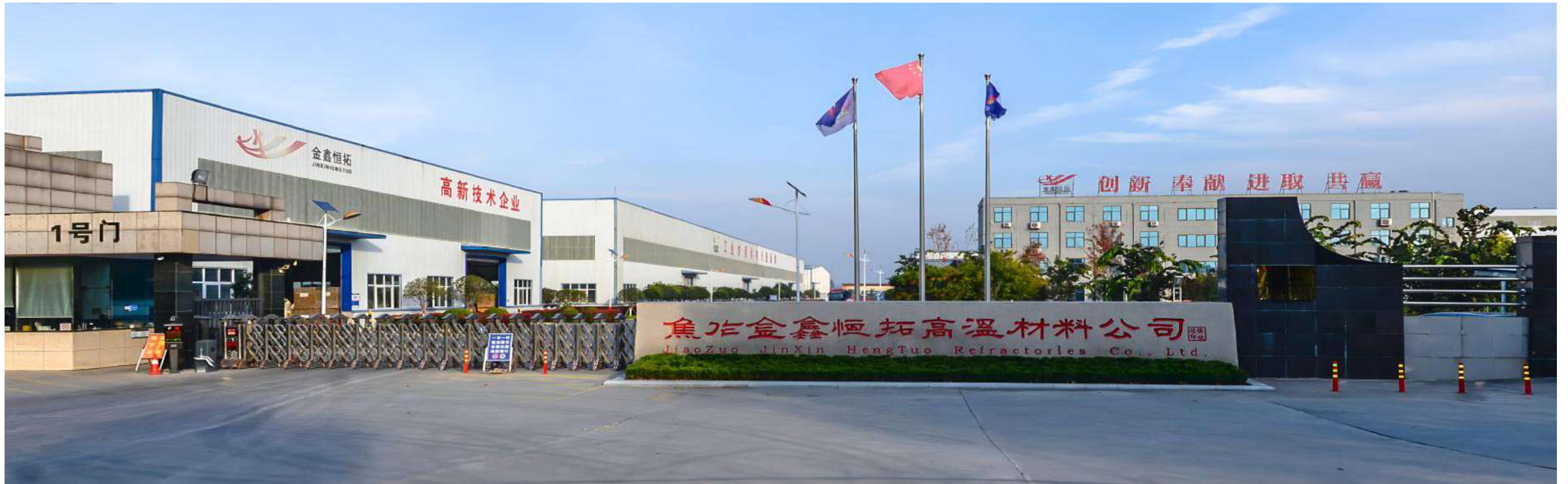


Certificates&Honors&Patents of JXHT



Three system certificates



Quality Management System Certificate

Certificate No.: 05325Q31093R0M

we hereby certify that

Jiaozuo Jinxin Hengtuo Advanced Materials Co.,Ltd
Registered Address: Boai County Industrial Cluster Area (No. 688 Guangxing Road)
Production/Business/Office Address: Industrial Cluster Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road)

Quality Management System complies with Standard requirement
GB/T 19001-2016/ISO 9001:2015

The certificate is valid for the following scope:

Design, development and production of unshaped refractory materials, prefabricated parts and shaped products (iron ladle bricks, purging plugs)

Certificate Date: 16-05-2025
Certificate Valid Date: 16-05-2025~15-05-2028
Date of initial Certification: 16-05-2025
Unified Social Credit Code of the Certified Organization: 91410822579247124H

The validity of this certificate is maintained through regular supervision;
The status of the certificate can be inquired by scanning the QR code,
or it can be found on the official website of the Certification and Accreditation
Administration of the P.R.C.(www.cnca.gov.cn).



  中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C053-M *Zhaolans* 

Beijing NGV Certification Center Co.,Ltd.
Address: Unit 1101, Unit 2, 10/F, Block 2-1, No. 82, East 4th Ring Middle Road, Chaoyang District, Beijing.
Tel: 010-87531300 P.C.:100124 Website: <http://www.ngv.org.cn>



Occupational Health and Safety Management System Certificate

Certificate No.: 05325S30792R0M

we hereby certify that

Jiaozuo Jinxin Hengtuo Advanced Materials Co.,Ltd
Registered Address: Boai County Industrial Cluster Area (No. 688 Guangxing Road)
Production/Business/Office Address: Industrial Cluster Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road)

Occupational Health and Safety Management System complies with Standard requirement
GB/T 45001-2020/ISO 45001:2018

The certificate is valid for the following scope:

Occupational health and safety management activities related to the Design, development and production of unshaped refractory materials, prefabricated parts and shaped products (iron ladle bricks, purging plugs)

Certificate Date: 30-05-2025
Certificate Valid Date: 30-05-2025~29-05-2028
Date of initial Certification: 30-05-2025
Unified Social Credit Code of the Certified Organization: 91410822579247124H

The validity of this certificate is maintained through regular supervision;
The status of the certificate can be inquired by scanning the QR code,
or it can be found on the official website of the Certification and Accreditation
Administration of the P.R.C.(www.cnca.gov.cn).



  中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C053-M *Zhaolans* 

Beijing NGV Certification Center Co.,Ltd.
Address: Unit 1101, Unit 2, 10/F, Block 2-1, No. 82, East 4th Ring Middle Road, Chaoyang District, Beijing.
Tel: 010-87531300 P.C.:100124 Website: <http://www.ngv.org.cn>



Environmental Management System Certificate

Certificate No.: 05325E30858R0M

we hereby certify that

Jiaozuo Jinxin Hengtuo Advanced Materials Co.,Ltd
Registered Address: Boai County Industrial Cluster Area (No. 688 Guangxing Road)
Production/Business/Office Address: Industrial Cluster Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road)

Environmental Management System complies with Standard requirement
GB/T 24001-2016/ISO 14001:2015

The certificate is valid for the following scope:

Environmental management activities related to the Design, development and production of unshaped refractory materials, prefabricated parts and shaped products (iron ladle bricks, purging plugs)

Certificate Date: 30-05-2025
Certificate Valid Date: 30-05-2025~29-05-2028
Date of initial Certification: 30-05-2025
Unified Social Credit Code of the Certified Organization: 91410822579247124H

The validity of this certificate is maintained through regular supervision;
The status of the certificate can be inquired by scanning the QR code,
or it can be found on the official website of the Certification and Accreditation
Administration of the P.R.C.(www.cnca.gov.cn).



  中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C053-M *Zhaolans* 

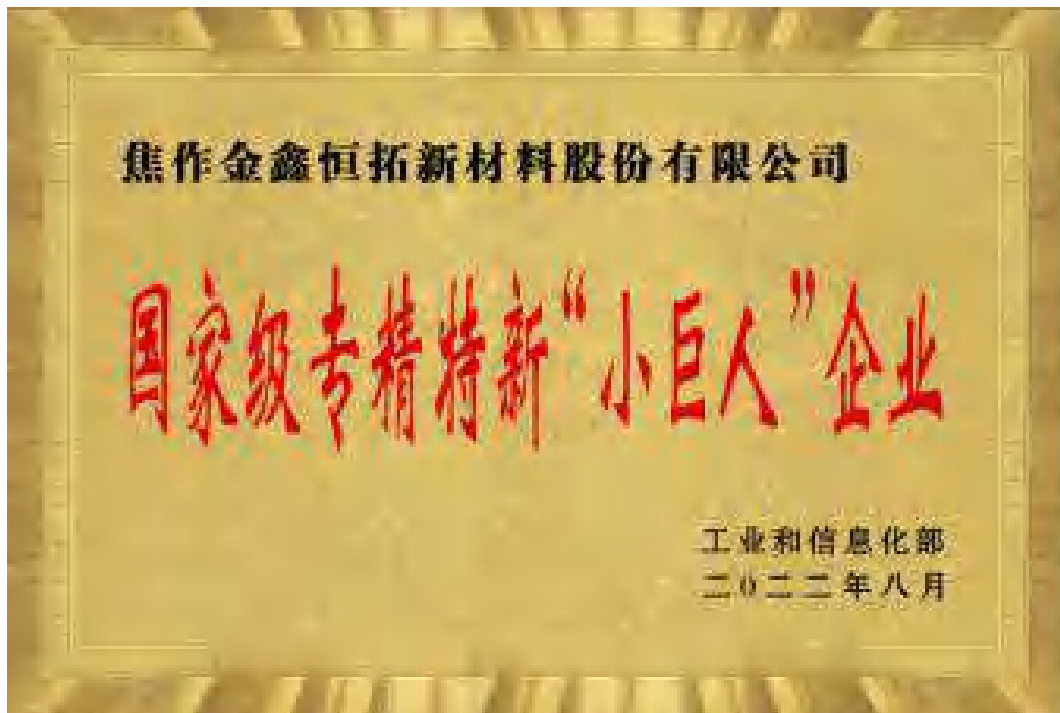
Beijing NGV Certification Center Co.,Ltd.
Address: Unit 1101, Unit 2, 10/F, Block 2-1, No. 82, East 4th Ring Middle Road, Chaoyang District, Beijing.
Tel: 010-87531300 P.C.:100124 Website: <http://www.ngv.org.cn>

Honors--National level

Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

National-level specialized and innovative "little giant" enterprise

Ministry of Industry and Information Technology
August 2022



(Note: Specialized and innovative "little giant" enterprises are the best among "specialized and innovative" enterprises, and are leading enterprises that focus on niche markets, have strong innovation capabilities, high market share, master key core technologies, and have excellent quality and efficiency)

Honors--Provincial level



Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Provincial Enterprise Technology Center

Henan Provincial Development and Reform Commission/
Henan Provincial Science and Technology Department/
Henan Provincial Finance Department/
State Administration of Taxation Henan Provincial Taxation Bureau/
Zhengzhou Customs of the People's Republic of China

January 2019

Honors--Provincial level

2021

Henan Province "Gazelle" Enterprise
(Science and Technology Small Giant
Enterprise)

Henan Provincial Department of Science and Technology
December 2021

(Note: Henan Province's "Gazelle Enterprises" refer to enterprises that have entered a high-growth period after starting a business by relying on technological innovation or business model innovation. These enterprises are characterized by high innovation level, rapid development speed, good growth, high growth potential, and broad market prospects. They are awarded by the Henan Provincial Department of Science and Technology.)

2021年度

河南省“瞪羚”企业
(科技小巨人企业)

河南省科技厅
二零二一年十二月

Honors--Provincial level



National High-tech Enterprise Certificate

Company Name: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Certificate Number: GR202141002082

Issuance Date: October 28, 2021

Validity Period: Three Years

Approval Authority: Henan Provincial Department of Science
and Technology/

Henan Provincial Department of Finance/
State Administration of Taxation

Henan Provincial Taxation Bureau

Honors--Provincial level



Henan Province

Industrial Kiln Refractory Engineering
Technology Research Center

Science and Technology Department of Henan Province

Honors--Refractory Industry Association

中国耐火材料行业协会简函

中耐协函[2023] 90号

焦作金鑫恒拓新材料股份有限公司
主导产品市场占有率有关情况的说明

焦作金鑫恒拓新材料股份有限公司是国家高新技术企业，国家专精特新小巨人企业，河南省制造业单项冠军企业。该公司主导产品是蓄热式加热炉节能燃烧系统用铝硅质浇注料系列（包括加热炉用铝硅质快干防爆自流料系列、加热炉用铝硅质免烘烤浇注料系列）及蓄热式加热炉蓄热箱体、烧嘴砖、高铝质锚固砖等。该公司提供的其2020年、2021年及2022年蓄热式加热炉节能燃烧系统用耐火材料的产量分别为12万吨、14万吨及16万吨，销售额均超过3亿元。据中国耐火材料行业协会调研掌握的情况，2020年至2022年，该公司上述主导产品在蓄热式加热炉节能燃烧耐火材料领域的市场占有率为50%左右，在全国市场占有率第一。

中国耐火材料行业协会

2023年11月1日

注：此件为通讯联络版

Brief Letter from China Refractory Industry Association

China Refractory Association Letter [2023] No. 90

Explanation on the Market Share of Leading Products of Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd. is a national high-tech enterprise, a national specialized and new small giant enterprise, and a single champion enterprise in Henan Province's manufacturing industry. The company's leading products are alumina-silica castable series for energy-saving combustion systems of regenerative reheating furnaces (including alumina-silica quick-drying explosion-proof self-flowing series for reheating furnaces, alumina-silica baking-free castable series for reheating furnaces) and regenerative reheating furnace regenerative boxes, burner blocks, high-alumina anchor blocks, etc. The company provided that its production of refractory materials for energy-saving combustion systems of regenerative reheating furnaces in 2020, 2021 and 2022 was 120,000 tons, 140,000 tons and 160,000 tons, respectively, with sales exceeding CNY 300 million yuan. According to the survey conducted by the China Refractory Industry Association, from 2020 to 2022, the market share of the company's leading products in the field of energy-saving combustion **refractory materials for regenerative reheating furnaces was about 50%, ranking first in the national market share.**

China Refractory Industry Association

November 1, 2023

Honors--Refractory Industry Association



Awarded to:

Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Excellent Refractory Enterprise of
Henan Province

Refractory Industry Association of Henan Province

Validity period: September 2018-August 2023

Honors--Customers' recognition



China Minmetals /MCC CISDI

Jiaozuo Jinxin Hengtuo Advanced Materials Co.,Ltd

Excellent Partner

MCC CISDI Group Co.,Ltd
May 2024

Honors--Customers' recognition



Baosteel Shaoguan Steel
Building, Shared ,Value

Excellent Cooperation
Supplier

Baosteel Group Shaoguan Steel

Honors--Customers' recognition



Baosteel Shaoguan Steel
Building, Shared ,Value

Excellent Cooperation
Supplier(2016)

Baosteel Group Shaoguan Steel

Honors--Customers' recognition



MCC CISDI
Cooperate to develop and create a better future

Excellent Cooperation
Supplier(2019)

MCC CISDI Group Co., Ltd

Honors--Customers' recognition



Baowu Zhongnan Steel

Awarded to:

Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Excellent Case of Sincere Cooperation

China Baowu Steel Group Corporation

No.: ZNCHZ2022005

Honors--Customers' recognition



WISDRI(WUHAN)Thermal Engineering Co.,Ltd
A-level excellent supplier
Certificate

Professional, dedicated, persistent, far-reaching

Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Sincerely thank you for your long-term support and trust to us!

Here, I am honored to inform you that in the 2019 China Minmetals Procurement Platform Supplier Evaluation, your company stood out with excellent product quality and service and was awarded "A-level excellent supplier"!

Our company will continue to support and cooperate with your company to further strengthen the mutually beneficial and win-win partnership. At the same time, we sincerely hope that your company will continue to pay attention to and support the development of our company, maintain long-term, stable and close cooperation with us, continuously promote the business growth of both parties, and jointly achieve long-term and steady progress.

Sincerely wish your company a prosperous and prosperous future!

WISDRI(WUHAN)Thermal Engineering Co.,Ltd
April 2020

Honors--Customers' recognition

Application proof

应用证明

产品名称	一罐制铁水包工作衬砖
应用单位	广东中南钢铁股份有限公司炼钢厂
通讯地址	广东省韶关市曲江马坝
应用起止时间	2021 年~至今
应用情况: 焦作金鑫恒拓新材料股份有限公司于 2021 年始在我厂总承包 120 吨铁包, 该公司铁水包工作衬砖耐火材料, 应用于铁水包包底、包壁等部位, 施工后铁水包使用寿命明显提升, 增加了废钢烘烤工艺后, 材料仍旧有较高的强度, 抗侵蚀性能较好, 不易被氧化侵蚀, 材料各项性能均满足了铁包工作要求, 取得了较好的使用效果。 情况属实。 寻忠忠 2024.5.  广东中南钢铁股份有限公司炼钢厂	

Product name:

A tank of iron ladle work lining bricks

Application unit:

Guangdong Zhong nan Iron and Steel Co., Ltd. Steel making Plant

Address:

Maba, Qujiang, Shaoguan City, Guangdong Province, China

Application time:

From 2021~to now

Application situation:

Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd. has begun the general contracting of 120 tons of iron ladles in our factory from 2021. The refractory materials produced by the company - iron ladle working lining bricks, are used in the bottom and wall of the iron ladle. After construction, the service life of the ladle is significantly improved. After adding the scrap steel baking process, the refractory materials still have high strength, good corrosion resistance and they are not easily oxidized. All properties of the refractory materials meet the working requirements of the iron ladle and achieve good results.

This situation is true!

Xun Zhongzhong

Guangdong Zhongnan Iron and Steel Co., Ltd. Steel making Plant

May 20, 2024

Patents



Certificate of Scientific and Technological Achievements

Registration No. 9412020Y1563

After review and verification, "The development of iron ladle working lining bricks for one ladle of molten iron pretreatment" has been confirmed as a scientific and technological achievement, and this certificate is hereby issued.

Completion unit: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Issuing authority:

Henan Provincial Department of Science and Technology

Issuing date: September 10, 2020

Patents



Certificate of Scientific and Technological Achievements

Registration No. 9412020Y1563

After review and verification, "The development of burner bricks and regenerative boxes for regenerative reheating furnaces " has been confirmed as a scientific and technological achievement, and this certificate is hereby issued.

Completion unit: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Issuing authority:

Henan Provincial Department of Science and Technology

Issuing date: September 10, 2015

Patents

科学技术成果证书

登记号 9412015Y1506

经审查核实“蓄热式加热炉用高荷
软、高抗热震算子砖”被确认为河南省科
学技术成果，特发此证。

完成单位：焦作市金鑫恒拓高温材料有限公司



发证机关：河南省科学技术厅

发证日期：2015 年 9 月10日

Certificate of Scientific and Technological Achievements

Registration No. 9412020Y1563

After review and verification, "The baffle bricks with high load softening temperature and high thermal shock resistance for regenerative reheating furnaces " has been confirmed as a scientific and technological achievement, and this certificate is hereby issued.

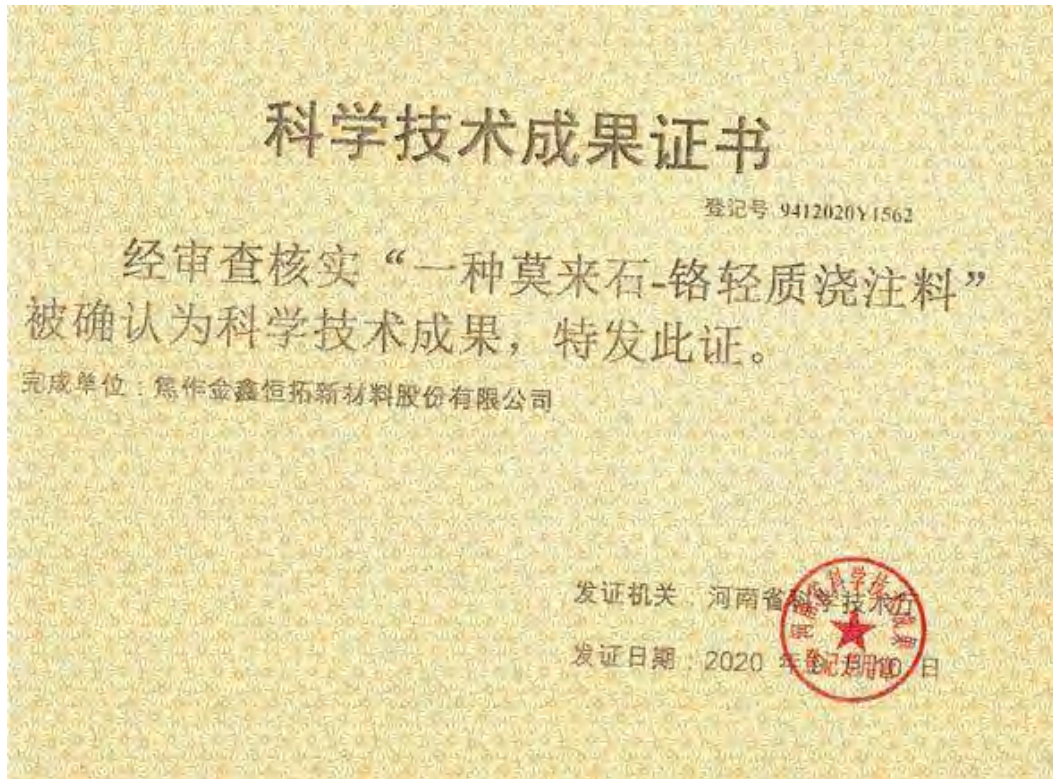
Completion unit: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Issuing authority:

Henan Provincial Department of Science and Technology

Issuing date: September 10, 2015

Patents



Certificate of Scientific and Technological Achievements

Registration No. 9412020Y1563

After review and verification, "A kind of mullite-chromium lightweight castable " has been confirmed as a scientific and technological achievement, and this certificate is hereby issued.

Completion unit: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Issuing authority:

Henan Provincial Department of Science and Technology

Issuing date: September 10, 2020

Patents

Certificate No.: No. 5017126

Invention Patent Certificate

Invention Name: A kind of refractory castable for the molten pool part of garbage melting gasification furnace

Inventors:

LiChao/ChenYu/XuCaifu/YangWeiwei/ZhangZhihua/YangXiaolin/ChenGang/PengDejiang/HuangJiangwen/LiQiang/WangXiaobo/XueHongyan/LiHua/DuYangbo

Patent No.: ZL2020 1 0536944.6

Patent Application Date: June 12, 2020

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd./WuHuan Engineering Co.,Ltd

Address: Industrial Cluster Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: March 22, 2022

Authorization Announcement No.: CN 213052725 U

National Intellectual Property Administration
March 22, 2022



Patents

Certificate No.: No. 4902908

Invention Patent Certificate

Invention Name: A kind of Automatic cutting equipment for corundum bricks and working method

Inventors: MaBiao; Other inventors requested anonymity

Patent No.: ZL2020 1 0777785.9

Patent Application Date: August 5, 2020

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Cluster Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: January 25, 2022

Authorization Announcement No.: CN 111873198 B

National Intellectual Property Administration
January 25, 2022



Patents

Certificate No.: No. 4908110

Invention Patent Certificate

Invention Name: A kind of reduction furnace equipment for direct reduced iron

Inventors: ChenYu; Other inventors requested anonymity

Patent No.: ZL2020 1 0546020.4

Patent Application Date: June 16, 2020

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Cluster Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: January 28, 2022

Authorization Announcement No.: CN 111485047 B

National Intellectual Property Administration

January 28, 2022



Patents

Certificate No.: No. 4825077

Invention Patent Certificate

Invention Name: Construction refractory materials and preparation methods thereof

Inventors: Other inventors requested anonymity

Patent No.: ZL2018 1 0334649.5

Patent Application Date: April 14, 2018

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Cluster Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: November 30, 2021

Authorization Announcement No.: CN 108455993 B

National Intellectual Property Administration

November 30, 2021



第1页(共2页)

其他事项参见背面

Patents

Certificate No.: No. 3660937

Invention Patent Certificate

Invention Name: A kind of mullite-chromium lightweight castable
Inventors: LiCaixia; LiuTaosheng; XuXingtang; LiChao; XueHongyan
Patent No.: ZL2017 1 0135274.5

Patent Application Date: March 8, 2017

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.
Address: Industrial Cluster Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: January 10, 2020

Authorization Announcement No.: CN 106810283 B

National Intellectual Property Administration
January 10, 2020



Patents

Certificate No.: No. 4866379

Invention Patent Certificate

Invention Name: An intelligent material handling forklift and material handling method

Inventors: ChenYu; RuanSheng

Patent No.: ZL2018 1 1475019.6

Patent Application Date: December 4, 2018

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

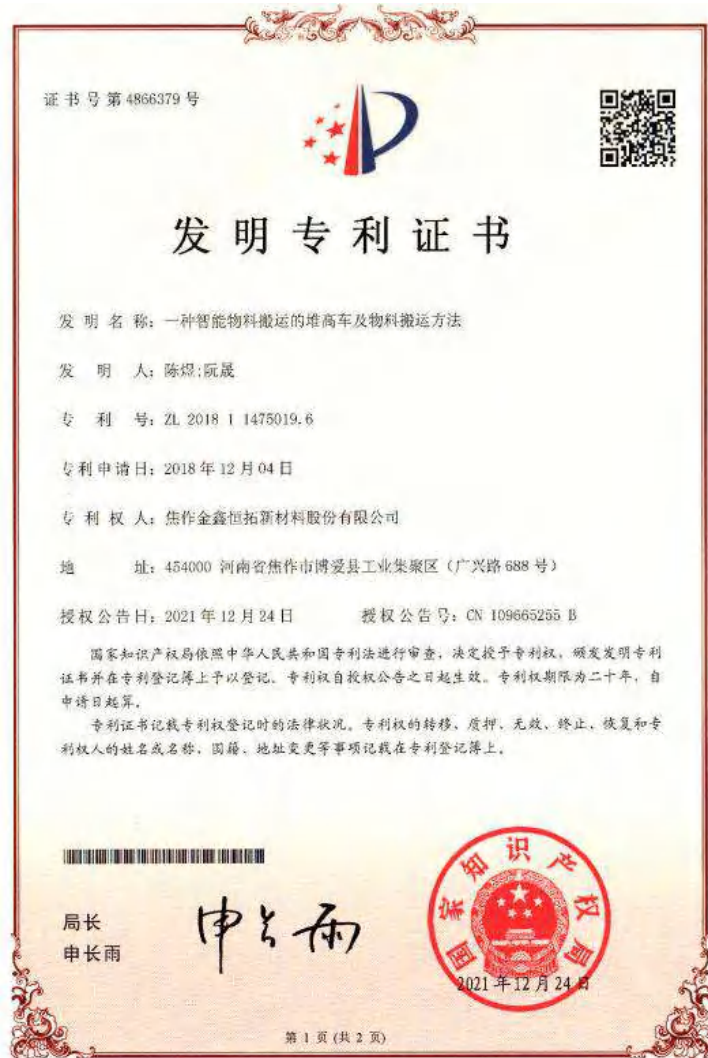
Address: Industrial Cluster Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: December 24, 2021

Authorization Announcement No.: CN 109665233 B

National Intellectual Property Administration

December 24, 2021



Patents



Certificate No.: No. 13043833

Utility Model Patent Certificate

Utility Model Name: A kind of Iron ladle insulation lining structure
Inventors: Peng Dejiang/Chen Yu/Li Qiang/Li Chao/Li Hua/Du Yangbo/Jin Quan/Ren Hengxing/Wang Tianming/Li Chenfei/Liu Xin
Patent No.: ZL2020 2 1663607.5
Patent Application Date: August 11, 2020
Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.
Address: Industrial Cluster Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450
Authorization Announcement Date: April 27, 2021
Authorization Announcement No.: CN 213052725 U

National Intellectual Property Administration
April 27, 2021

Patents



Certificate No.: No. 12819338

Utility Model Patent Certificate

Utility Model Name: A kind of Iron ladle lining structure

Inventors: Peng Dejiang/Li Qiang/Li Chao/Du Yangbo/LiHua/Jin Quan/Wang Tianming/RenHengxing

Patent No.: ZL2020 2 1289675.X

Patent Application Date: July 2, 2020

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Cluster Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: March 30, 2021

Authorization Announcement No.: CN 212822653 U

National Intellectual Property Administration
March 30, 2021

Patents

Certificate No.: No. 2736932

Utility Model Patent Certificate

Utility Model Name: A kind of regenerative burner

Inventors: XueHongyan; WangXiaoqing; CaoWei

Patent No.: ZL2012 2 0358555.X

Patent Application Date: July 24, 2012

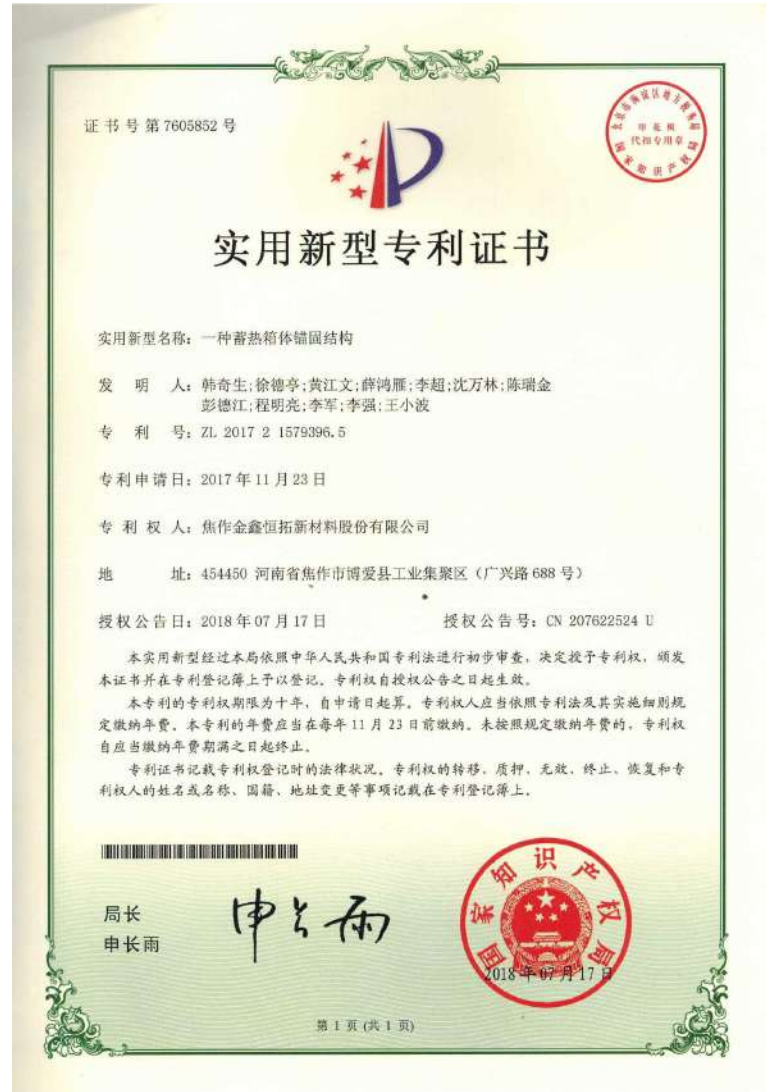
Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: March 6, 2013

People's Republic of China
National Intellectual Property Administration
March 6, 2013



Patents



Certificate No.: No. 7605852

Utility Model Patent Certificate

Utility Model Name: A kind of regenerative box anchoring structure

Inventors:

HanQisheng; XuDeting; HuangJiangwen; XueHongyan; LiChao; ShenWanlin; ChenRuijin; PengDejiang; ChengMingliang; LiJun; LiQiang; WangXiaobo

Patent No.: ZL2017 2 1579396.5

Patent Application Date: November 23, 2017

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Cluster Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 17, 2018

Authorization Announcement No.: CN 207622524 U

National Intellectual Property Administration
July 17, 2018

Patents

Certificate No.: No.10899563

Utility Model Patent Certificate

Utility Model Name: A honeycomb extrusion and cutting device

Inventors:

Chen Yu; Wang Xiaobo; Han Qisheng; Feng Zhiqiang; Jin Quan; Du Yangbo; Li Chenfei

Patent No.: ZL2019 2 1402797.2

Patent Application Date: August 27, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 3, 2020

Authorization Announcement No.: CN 210910209 U

National Intellectual Property Administration

July 3, 2020



Patents



Certificate No.: No.10906466

Utility Model Patent Certificate

Utility Model Name: A kind of furnace lining structure

Inventors:

Zhang Jianjun; Xu Deting; Yang Haibo; Wang Xiaoqing; Feng Xiegen; Li Jun

Patent No.: ZL2019 2 1434280.1

Patent Application Date: August 31, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 3, 2020

Authorization Announcement No.: CN 210922204 U

National Intellectual Property Administration

July 3, 2020

Patents



Certificate No.: No.10897001

Utility Model Patent Certificate

Utility Model Name: A rotary kiln lining structure

Inventors: Han Qisheng; Li Caixia; Zhang Jianjun; Zhou Chao; Zhao Yaolin; Guo Weiwei

Patent No.: ZL2019 2 1594835.9

Patent Application Date: September 24, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.
Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 3, 2020

Authorization Announcement No.: CN 210922160 U

National Intellectual Property Administration
July 3, 2020

Patents

Certificate No.: No.12826754

Utility Model Patent Certificate

Utility Model Name: A kind of KR stirring head

Inventors: LiChao; ChenYu; PengDejiang; HuangJiangwen; LiQiang; WangXiaobo; XueHongyan; LiHua; DuYangbo; JinQuan; LiJun

Patent No.: ZL2020 2 1188333.9

Patent Application Date: June 23, 2020

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: March 30, 2021

Authorization Announcement No.: CN 212833862 U

National Intellectual Property Administration
March 30, 2021



Patents

Certificate No.: No.2741606

Utility Model Patent Certificate

Utility Model Name: A kind of anchor for refractory material

Inventors: Xue Hongyan; Liu Taosheng; Cao Xidong

Patent No.: ZL2012 2 0358639.3

Patent Application Date: July 24, 2012

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: March 6, 2013

People's Republic of China

National Intellectual Property Administration

March 6, 2013



Patents

Certificate No.: No.2735134

Utility Model Patent Certificate

Utility Model Name: A kind of refractory bricks

Inventors: Zhangwei; Lv Baofeng; Wang Sanhu

Patent No.: ZL2012 2 0358640.6

Patent Application Date: July 24, 2012

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: March 6, 2013

People's Republic of China

National Intellectual Property Administration

March 6, 2013



Patents

Certificate No.: No.7607785

Utility Model Patent Certificate

Utility Model Name: A kind of composite purging plug blocks
Inventors: Shen Wanlin; Xu Deting; Han Qisheng; Huang Jiangwen; Xue Hongyan; Li Chao; Chen Ruijin

Patent No.: ZL2017 2 1605228.9

Patent Application Date: November 27, 2017

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.
Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 17, 2018

Authorization Announcement No.: CN 207615651 U

National Intellectual Property Administration
March 6, 2013



Patents



Certificate No.: No.7602169

Utility Model Patent Certificate

Utility Model Name: A measuring device for apparent porosity of purging plug blocks

Inventors: Xudeting; Shen Wanlin; Huang Jiangwen; Xue Hongyan; Han Qis heng; Li Chao; Chen Ruijin

Patent No.: ZL2017 2 1579344.8

Patent Application Date: November 23, 2017

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 17, 2018

Authorization Announcement No.: CN 207623198 U

National Intellectual Property Administration
July 17, 2018

Patents

Certificate No.: No.2743779

Utility Model Patent Certificate

Utility Model Name: A new type of expansion board for refractory materials

Inventors: XueHongyan; LiJie; LiuTaosheng

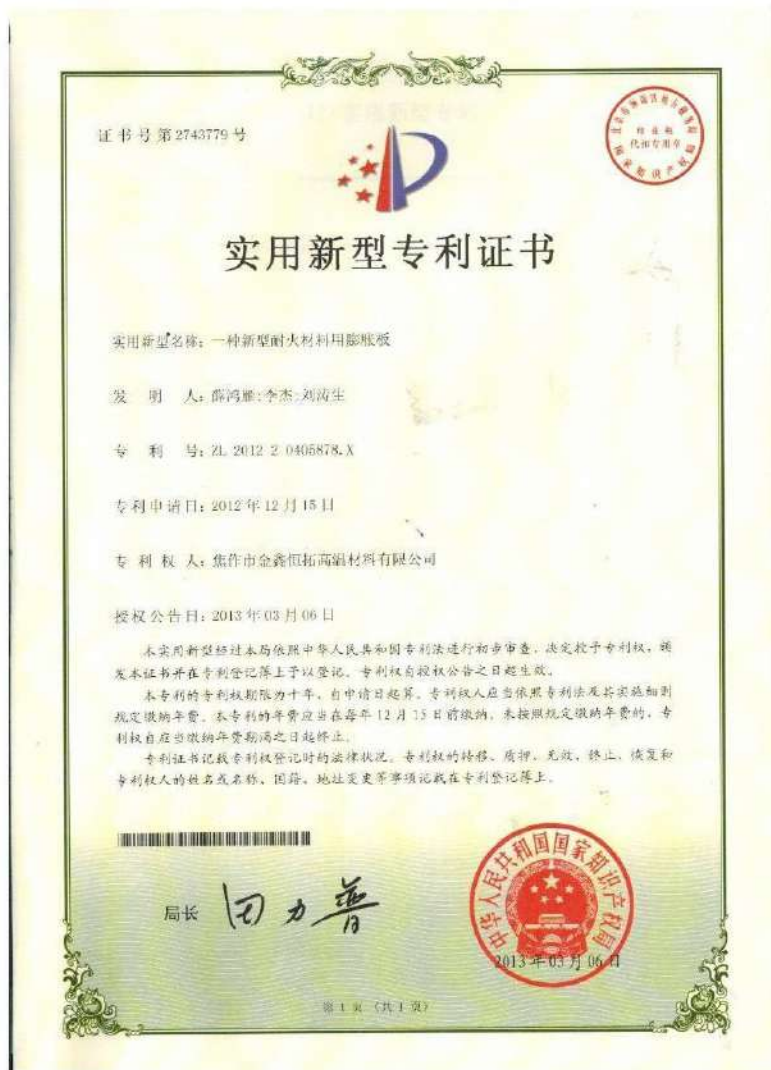
Patent No.: ZL2012 2 0405878.X

Patent Application Date: December 15, 2012

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: March 6, 2013

People's Republic of China
National Intellectual Property Administration
March 6, 2013



Patents



Certificate No.: No.2734475

Utility Model Patent Certificate

Utility Model Name: An expansion board for reserving expansion joints in refractory castables

Inventors: XueHongyan; LiJie; BaiXiao

Patent No.: ZL2012 2 0358605.4

Patent Application Date: July 24, 2012

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: March 6, 2013

People's Republic of China
National Intellectual Property Administration
March 6, 2013

Patents



Certificate No.: No.10894345

Utility Model Patent Certificate

Utility Model Name:A mobile dust removal device for the preparation of argon blowing spray guns

Inventors:LiChao;PengDejiang;JinQuan;DuYangbo;CaoWei;LiJun

Patent No.: ZL2019 2 1280429.5

Patent Application Date: August 8, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 3, 2020

Authorization Announcement No.: CN 210905353 U

National Intellectual Property Administration
July 3, 2020

Patents

Certificate No.: No.4314631

Utility Model Patent Certificate

Utility Model Name: Rapid forming device for casting regenerative burner

Inventors: Xue Hongyan; Wang Xiaoqing; Liu Taosheng

Patent No.: ZL2014 2 0793080.6

Patent Application Date: December 16, 2014

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: May 20, 2015

People's Republic of China
National Intellectual Property Administration
May 20, 2015



Patents

Certificate No.: No.5668236

Utility Model Patent Certificate

Utility Model Name: Stirring structure of a mixer for unshaped refractory materials

Inventors: XueHongyan; FanHonggang; QiuYouqi; ZhaiChangen; Wang Xiaoqing

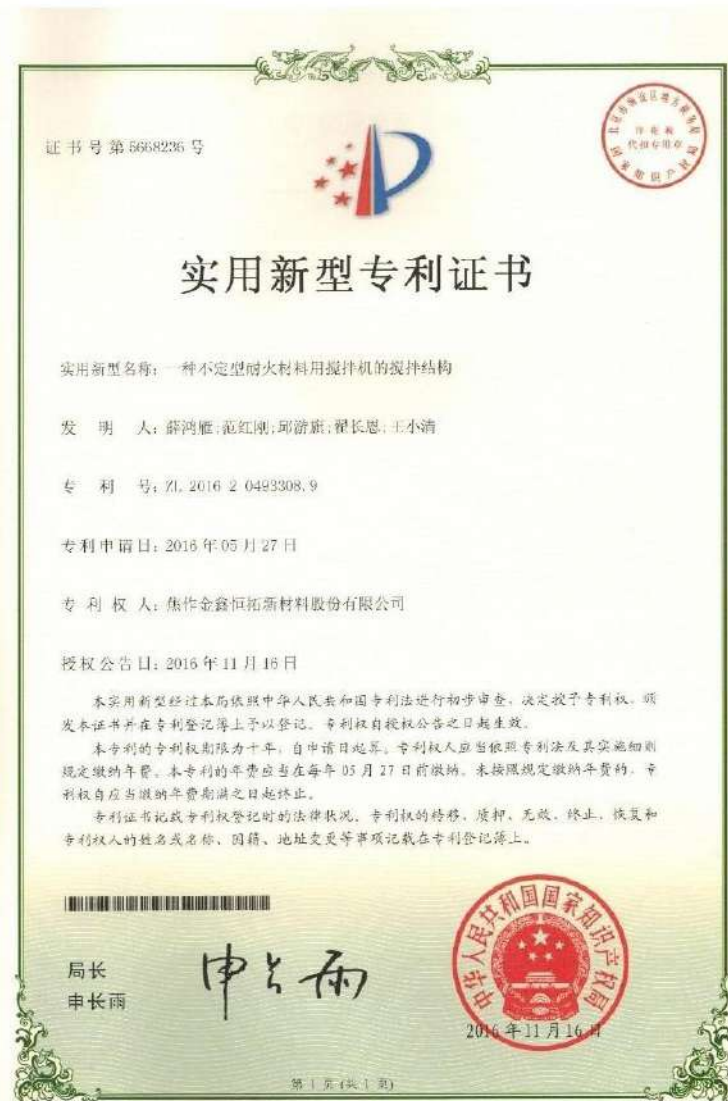
Patent No.: ZL2016 2 0493308.9

Patent Application Date: May 27, 2016

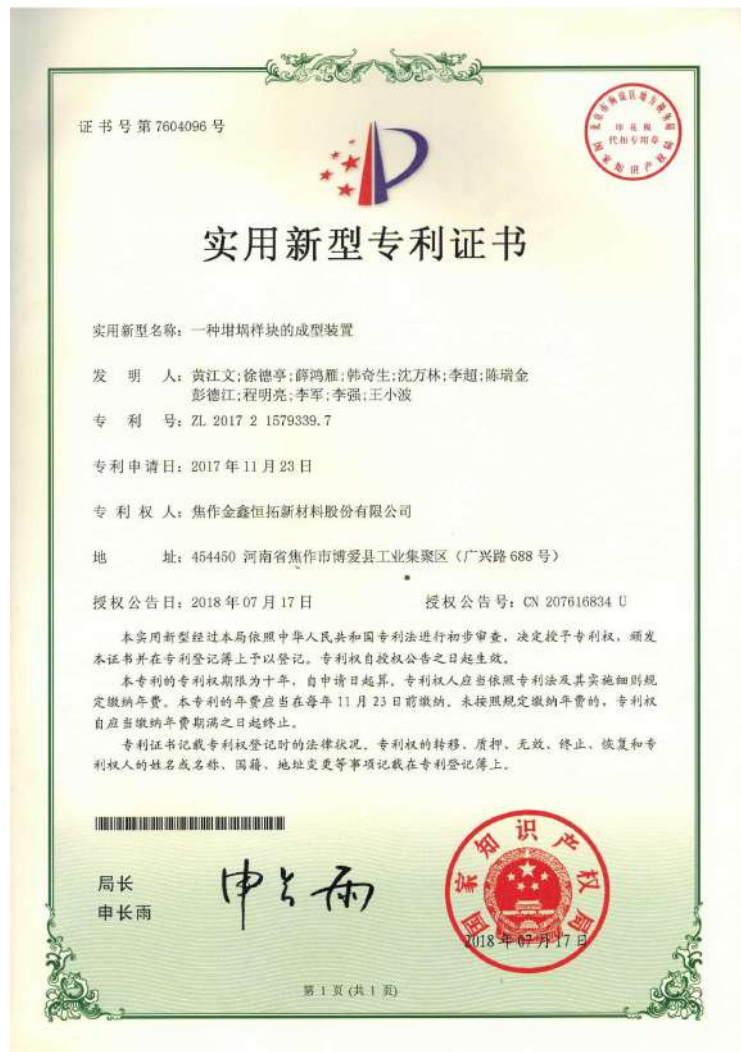
Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: November 16, 2016

People's Republic of China
National Intellectual Property Administration
November 16, 2016



Patents



Certificate No.: No.7604096

Utility Model Patent Certificate

Utility Model Name: A forming device for crucible sample blocks
Inventors: Huang Jiangwen; Xu Deting; Xue Hongyan; Han Qisheng; Shen Wanlin; Li Chao; Chen Ruijin; Peng Dejiang; Chen Mingliang; Li Jun; Wang Xiaobo

Patent No.: ZL2017 2 1579339.7

Patent Application Date: November 23, 2017

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 17, 2018

Authorization Announcement No.: CN 207616834 U

National Intellectual Property Administration
July 17, 2018

Patents

Certificate No.: No.7606455

Utility Model Patent Certificate

Utility Model Name: A kind of dry spraying machine gun head
Inventors: ChenRuijin; Xudeting; HuangJiangwen; XueHongyan; HanQisheng; LiChao; ShenWanlin

Patent No.: ZL2017 2 1579394.6

Patent Application Date: November 23, 2017

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.
Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 17, 2018

Authorization Announcement No.: CN 207620315 U

National Intellectual Property Administration
July 17, 2018



Patents

Certificate No.: No.6496506

Utility Model Patent Certificate

Utility Model Name: A reheating furnace casting lining expansion joint structure

Inventors: Chen Ruijin; Xue Hongyan; Xu Deting; Huang Jiangwen; Liu Taosheng; Li Jun; Xu Xingtang; Li Chao

Patent No.: ZL2017 2 0115088.0

Patent Application Date: February 8, 2017

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: September 26, 2017

People's Republic of China
National Intellectual Property Administration
September 26, 2017



Patents

Certificate No.: No.5739929

Utility Model Patent Certificate

Utility Model Name: An anti-wear and dust-proof refractory material mixer

Inventors: XueHongyan; XuXingtang; LiJun; WangXiaoqing; LiuTao sheng

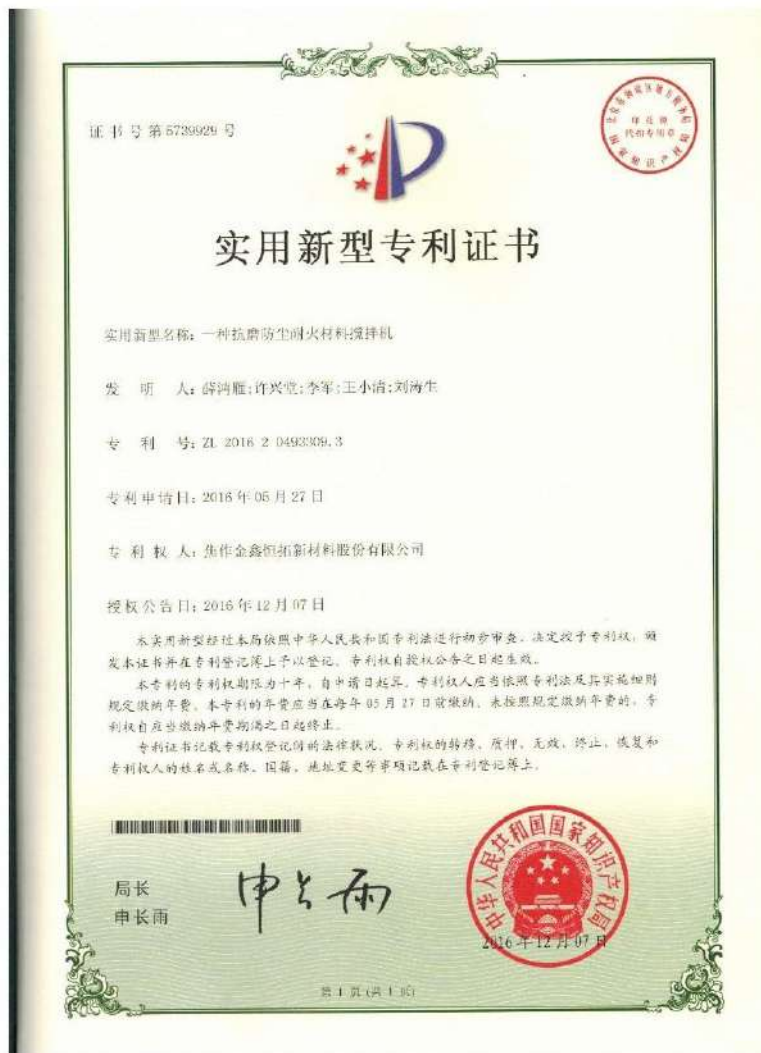
Patent No.: ZL2016 2 0493309.3

Patent Application Date: May 27, 2016

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: December 7, 2016

People's Republic of China
National Intellectual Property Administration
December 7, 2016



Patents

Certificate No.: No.5668571

Utility Model Patent Certificate

Utility Model Name: A kind of plastic refractory materials extruder
Inventors: XueHongyan; QiuYouqi; XuXingtang; LiuTaosheng; ZhaiChang
gen

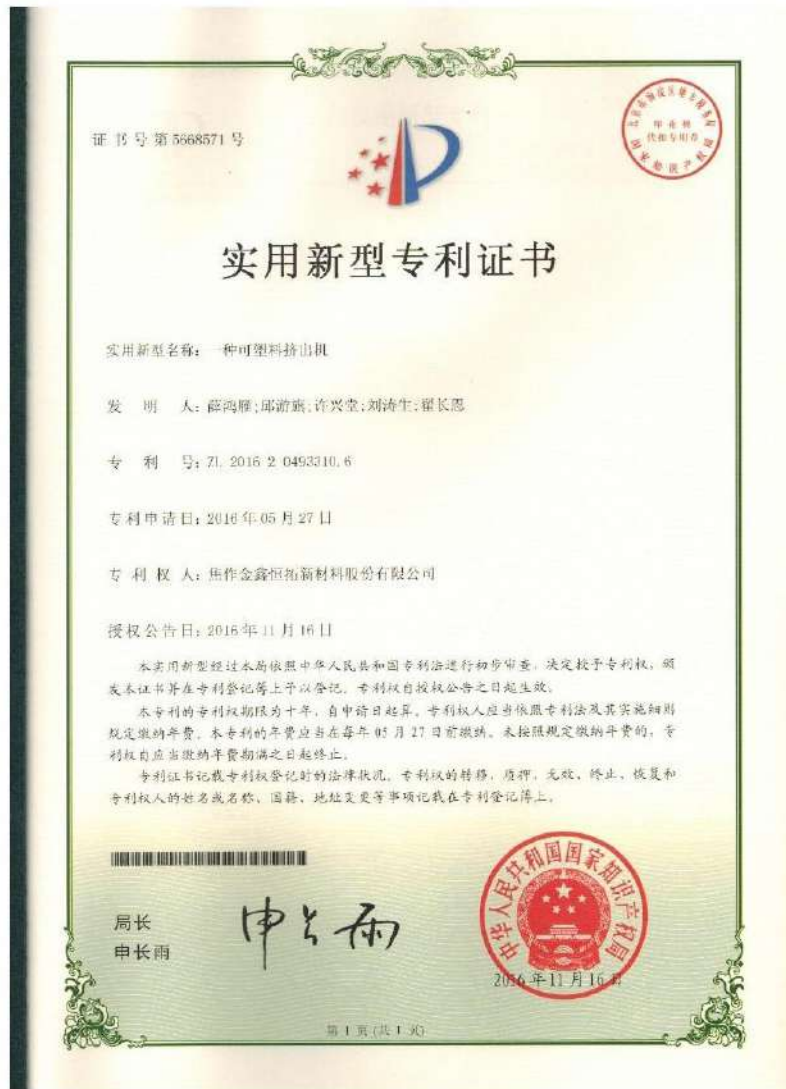
Patent No.: ZL2016 2 0493310.6

Patent Application Date: May 27, 2016

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: November 16, 2016

People's Republic of China
National Intellectual Property Administration
November 16, 2016



Patents

Certificate No.: No.5732106

Utility Model Patent Certificate

Utility Model Name: A kind of plastic materials extrusion slicing blade
Inventors: XueHongyan; QiuYouqi; XuXingtang; LiuTaosheng; ZhaiChanggen

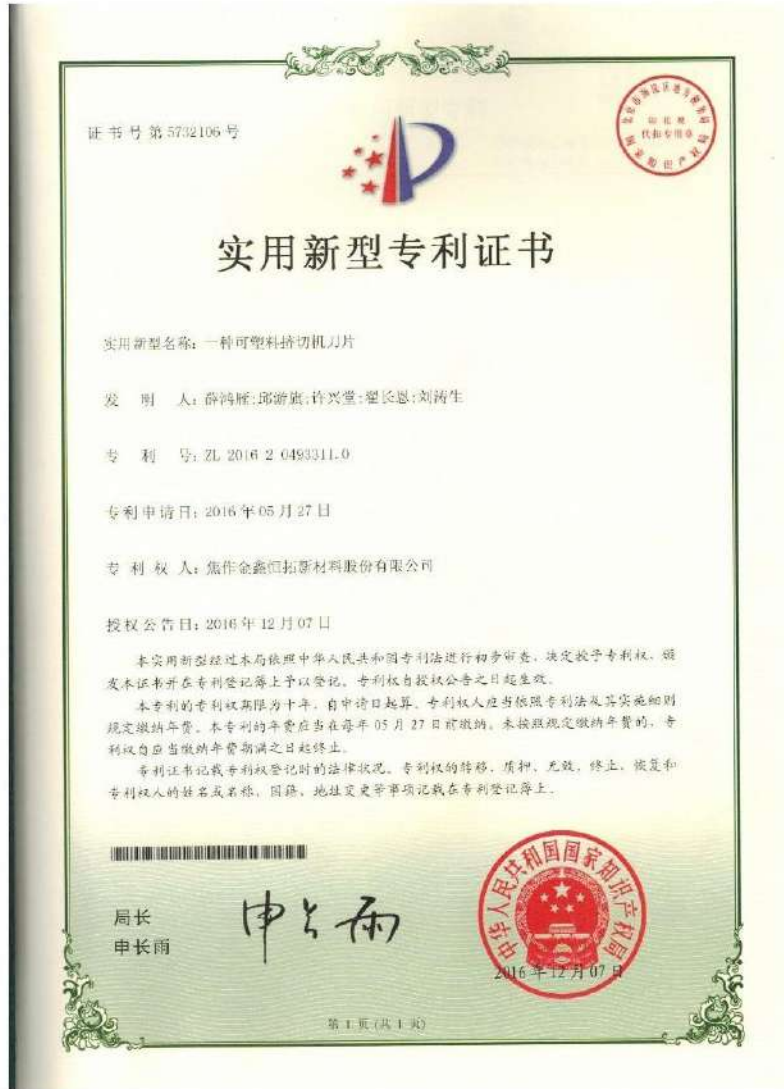
Patent No.: ZL2016 2 0493311.0

Patent Application Date: May 27, 2016

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: December 7, 2016

People's Republic of China
National Intellectual Property Administration
December 7, 2016



Patents

Certificate No.: No.5668512

Utility Model Patent Certificate

Utility Model Name: A movable vibrating table device

Inventors: XueHongyan; LiJun; LiChao; LiuTaosheng; FanHonggang

Patent No.: ZL2016 2 0493312.5

Patent Application Date: May 27, 2016

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: November 16, 2016

People's Republic of China
National Intellectual Property Administration
November 16, 2016



Patents

Certificate No.: No.5668373

Utility Model Patent Certificate

Utility Model Name: A kind of Raymond mill

Inventors: Xue Hongyan; Qiu Youqi; Fan Honggang; Zhai Changen; Wang Xiaoqing

Patent No.: ZL2016 2 0493313.X

Patent Application Date: May 27, 2016

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: November 16, 2016

People's Republic of China

National Intellectual Property Administration

November 16, 2016



Patents

Certificate No.: No.5668367

Utility Model Patent Certificate

Utility Model Name: A kind of auxiliary support device for friction brick press

Inventors: XueHongyan; LiQiang; LiuTaosheng; WangXiaoqing; FanHonggang

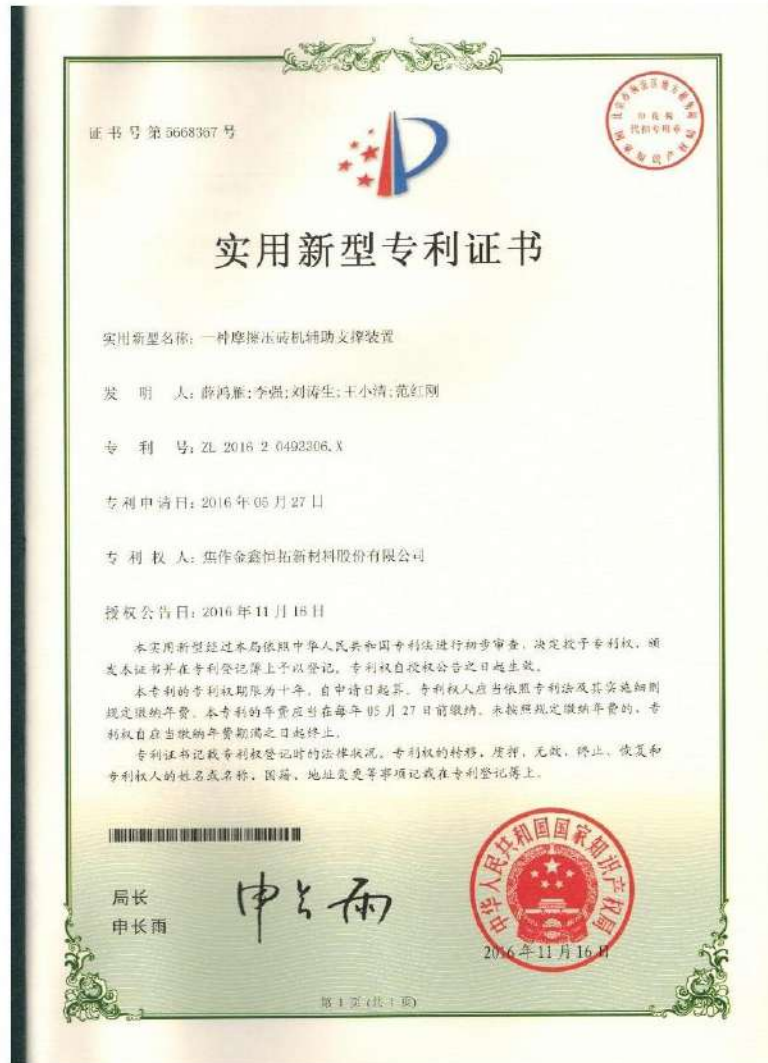
Patent No.: ZL2016 2 0493306.X

Patent Application Date: May 27, 2016

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Authorization Announcement Date: November 16, 2016

People's Republic of China
National Intellectual Property Administration
November 16, 2016



Patents



Certificate No.: No.7601750

Utility Model Patent Certificate

Utility Model Name: A vacuum vibration forming device for refractory castables

Inventors: LiChao; XuDeting; HuangJiangwen; XueHongyan; HanQisheng; ShenWanlin; ChenRuijin; PengDejiang; ChengMingliang; LiJun; LiQiang; WangXiaobo

Patent No.: ZL2017 2 1579338.2

Patent Application Date: November 23, 2017

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 17, 2018

Authorization Announcement No.: CN 207616829 U

People's Republic of China
National Intellectual Property Administration
July 17, 2018

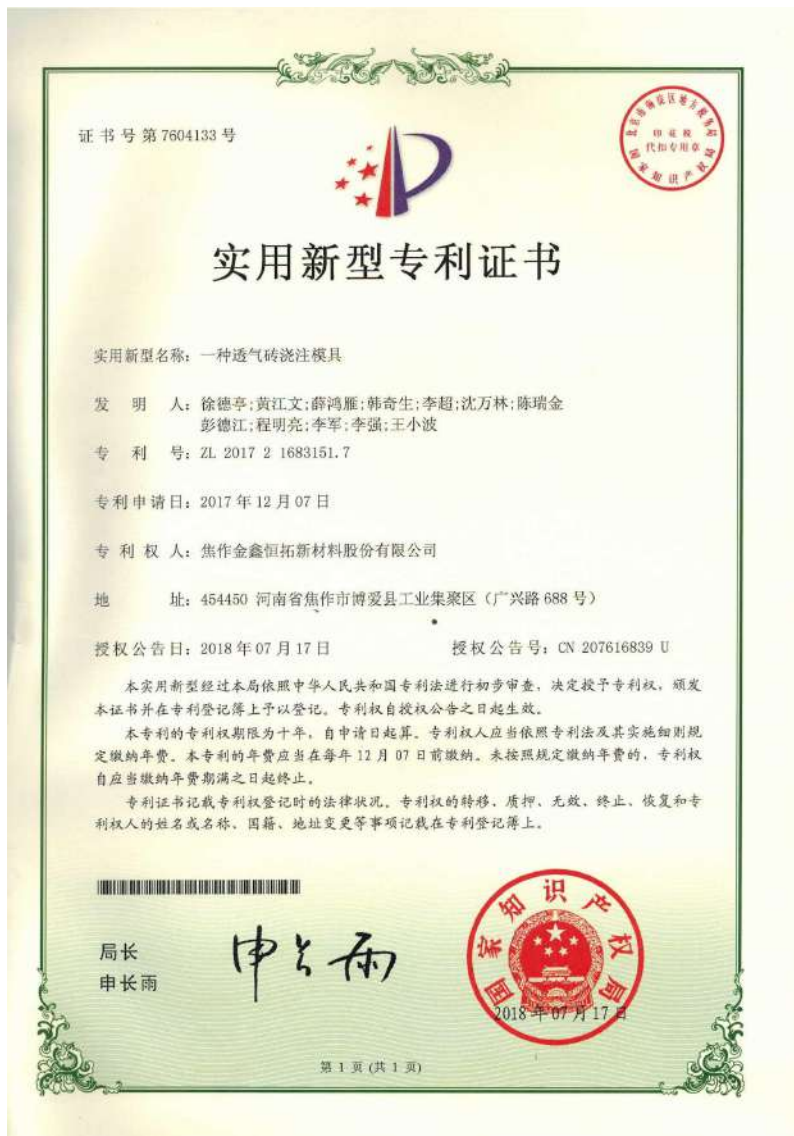
Patents

Certificate No.: No.7604133

Utility Model Patent Certificate

Utility Model Name: A kind of purging plug blocks casting mold
Inventors: XuDeting; HuangJiangwen; XueHongyan; HanQisheng; LiChao; ShenWanlin; ChenRuijin; PengDejiang; ChengMingliang; LiJun; LiQiang; WangXiaobo
Patent No.: ZL2017 2 1683151.7
Patent Application Date: December 7, 2017
Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.
Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450
Authorization Announcement Date: July 17, 2018
Authorization Announcement No.: CN 207616839 U

National Intellectual Property Administration
July 17, 2018



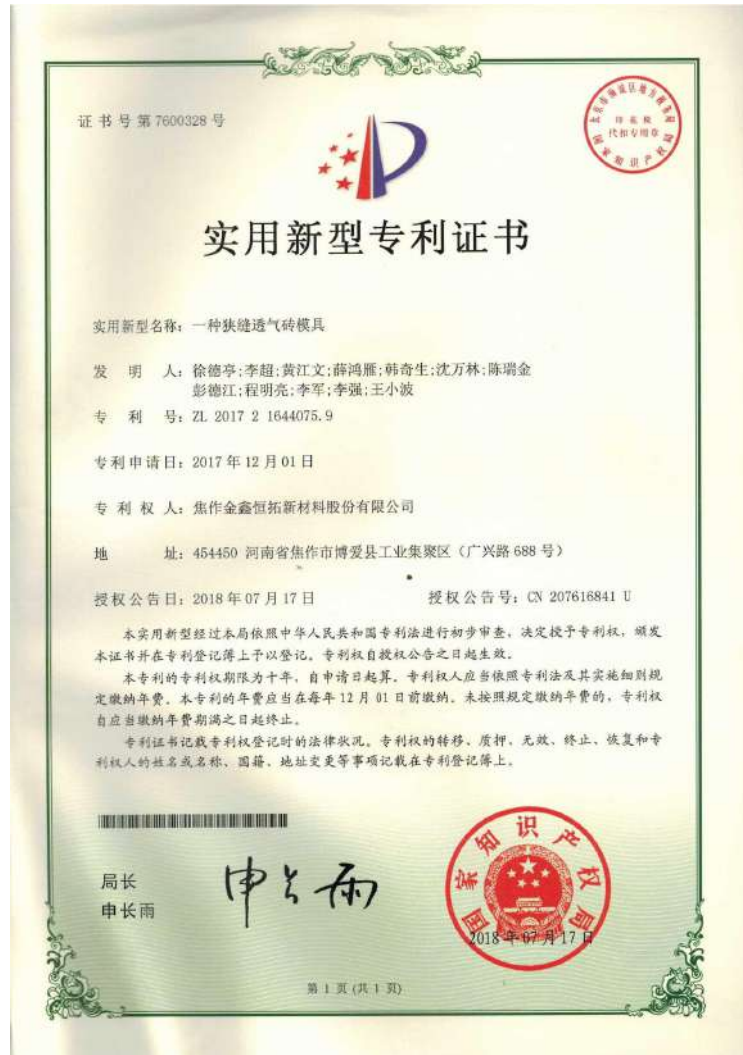
Patents

Certificate No.: No.7600328

Utility Model Patent Certificate

Utility Model Name: A kind of slit purging plug blocks mold
Inventors: XuDeting; LiChao; HuangJiangwen; XueHongyan; HanQisheng; ShenWanlin; ChenRuijin; PengDejiang; ChengMingliang; LiJun; LiQiang; WangXiaobo
Patent No.: ZL2017 2 1644075.9
Patent Application Date: December 1, 2017
Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.
Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450
Authorization Announcement Date: July 17, 2018
Authorization Announcement No.: CN 207616841 U

National Intellectual Property Administration
July 17, 2018



Patents

Certificate No.: No.7755660

Utility Model Patent Certificate

Utility Model Name: A kiln car for panel prefabricated products
Inventors: LiJun; XuDeting; HuangJiangwen; XueHongyan; HanQisheng; LiChao; ShenWanlin; ChenRuijin; PengDejiang; ChengMingliang; LiQiang; WangXiaobo
Patent No.: ZL2017 2 1579398.4
Patent Application Date: November 23, 2017
Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.
Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450
Authorization Announcement Date: August 28, 2018
Authorization Announcement No.: CN 207779140 U

National Intellectual Property Administration
August 28, 2018



Patents

Certificate No.: No.2746843

Utility Model Patent Certificate

Utility Model Name: A connection device for expansion boards used to reserve expansion joints

Inventors: XueHongyan; LiCaixia; HuangTingfeng

Patent No.: ZL2017 2 0358748.5

Patent Application Date: July 24, 2012

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

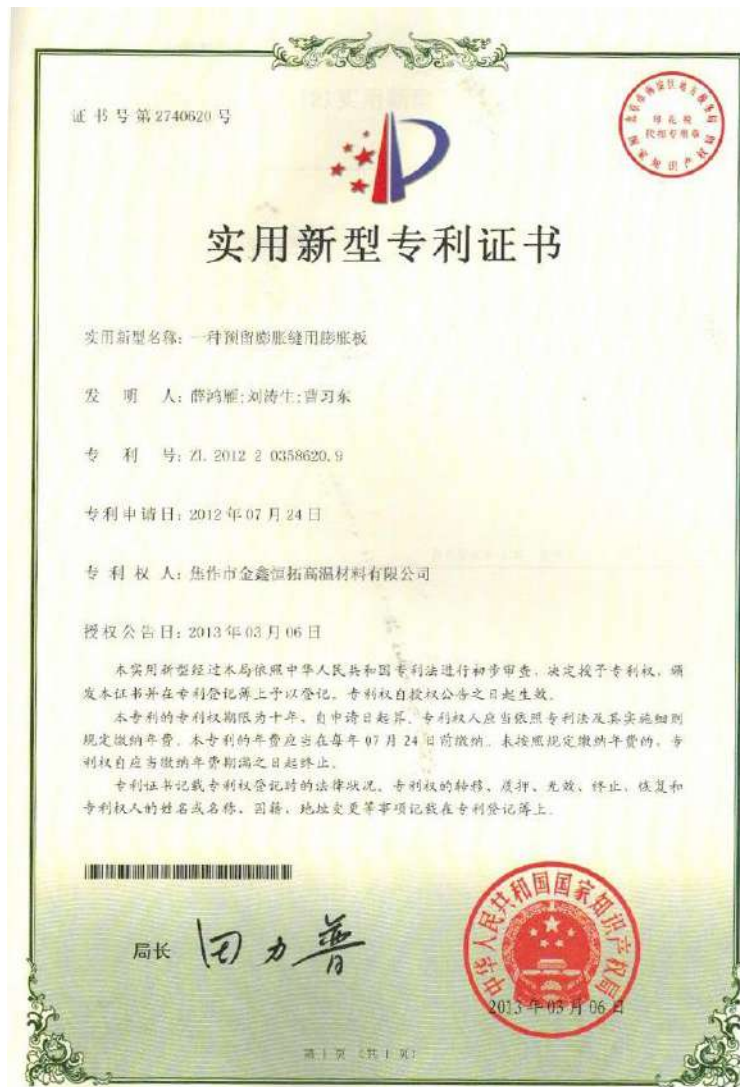
Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: March 6, 2013



People's Republic of China
National Intellectual Property Administration
March 6, 2013

Patents



Certificate No.: No.2740620

Utility Model Patent Certificate

Utility Model Name: An expansion board for reserved expansion joints

Inventors: XueHongyan; LiuTaosheng; CaoXidong

Patent No.: ZL2012 2 0358620.9

Patent Application Date: July 24, 2012

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: March 6, 2013

People's Republic of China
National Intellectual Property Administration
March 6, 2013

Patents

Certificate No.: No.2736224

Utility Model Patent Certificate

Utility Model Name: A device for reserving expansion joints in refractory castables

Inventors: Xue Hongyan; Huang Jiangwen; Zhang Fangsen

Patent No.: ZL2012 2 0358571.9

Patent Application Date: July 24, 2012

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: March 6, 2013

People's Republic of China
National Intellectual Property Administration
March 6, 2013



Patents

Certificate No.: No.5741441

Utility Model Patent Certificate

Utility Model Name: a vibrating screen

Inventors: XueHongyan; ZhaiChangen; XuXingtang; FanHonggang; Qiu Youqi

Patent No.: ZL2016 2 0493307.4

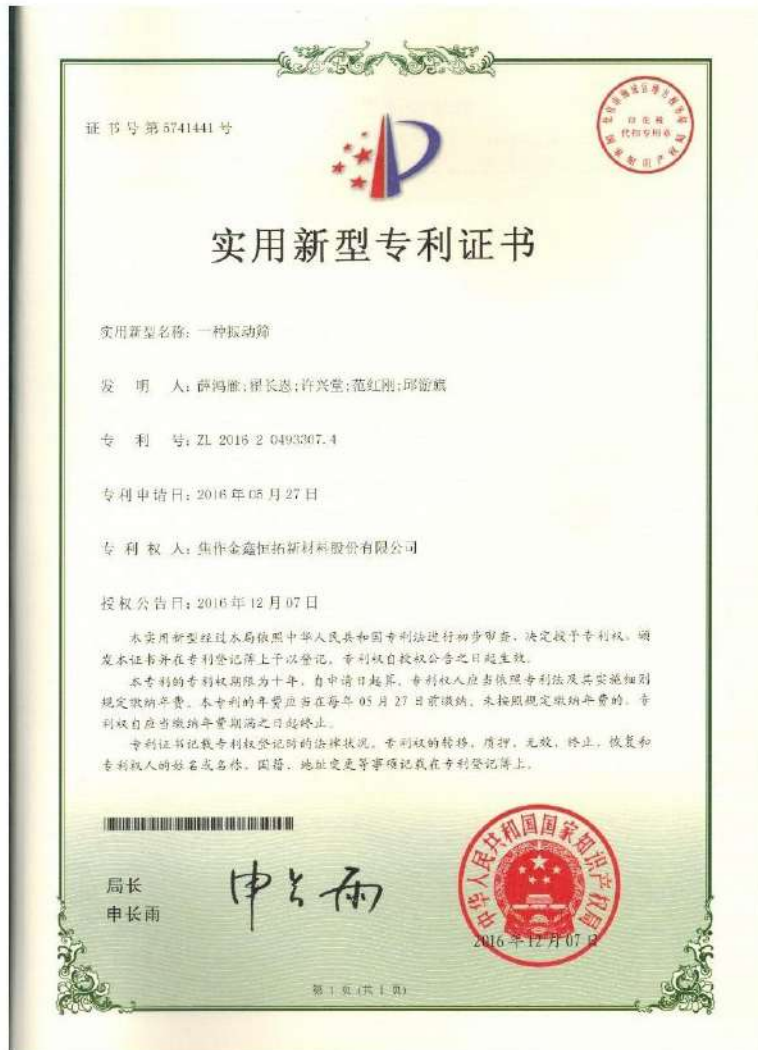
Patent Application Date: May 27, 2016

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: December 7, 2016

People's Republic of China
National Intellectual Property Administration
December 7, 2016



Patents

Certificate No.: No.4314754

Utility Model Patent Certificate

Utility Model Name: Safety lifting device for prefabricated blocks
Inventors: XueHongyan; LiJun; HuangJiangwen
Patent No.: ZL 2014 2 0792912.2
Patent Application Date: December 16, 2014
Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.
Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450
Authorization Announcement Date: May 20, 2015

People's Republic of China
National Intellectual Property Administration
May 20, 2015



Patents

Certificate No.: No.10886172

Utility Model Patent Certificate

Utility Model Name: A rapid forming blocking brick mold

Inventors: Wang Xiaobo; Chen Yu; Feng Zhiqiang; Jin Quan; Huang Ting feng; Du Yangbo; Li Chenfei

Patent No.: ZL2019 2 1402792.X

Patent Application Date: August 27, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 3, 2020

Authorization Announcement No.: CN 210910479 U

National Intellectual Property Administration

July 3, 2020



Patents



Certificate No.: No.10466486

Utility Model Patent Certificate

Utility Model Name: A detection and shaping device for ceramic regenerators

Inventors: Chen Yu; Wang Xiaobo; Qiu Youqi; Li Chenfei; Du Yangbo; Jin Quan

Patent No.: ZL2019 2 1403813.X

Patent Application Date: August 27, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: May 8, 2020

Authorization Announcement No.: CN 210476475 U

National Intellectual Property Administration
May 8, 2020

Patents



Certificate No.: No.10914013

Utility Model Patent Certificate

Utility Model Name: A kind of refractory material mud-making device
Inventors: LiQiang; FengZhiqiang; WuZhanzhong; LiChenfei; DuYangbo; Jin/quan

Patent No.: ZL2019 2 1289147.1

Patent Application Date: August 9, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.
Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 3, 2020

Authorization Announcement No.: CN 210906464 U

National Intellectual Property Administration
July 3, 2020

Patents



Certificate No.: No.10363203

Utility Model Patent Certificate

Utility Model Name: A refractory brick detection platform

Inventors: LiQiang; ChenYu; WuZhanzhong; FengZhiqiang; ZhaoYaolin; QiuYouqi; Zhouchao

Patent No.: ZL2019 2 1289148.6

Patent Application Date: August 9, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: April 21, 2020

Authorization Announcement No.: CN 210374893 U

National Intellectual Property Administration
April 21, 2020

Patents



Certificate No.: No.10902701

Utility Model Patent Certificate

Utility Model Name: A kind of premixed ball milling device for refractory materials

Inventors: LiChao; WangXiaoqing; DuYangbo; LiJun; WuZhengguang; HuangTingfeng

Patent No.: ZL2019 2 1298875.9

Patent Application Date: August 12, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 3, 2020

Authorization Announcement No.: CN 210906401 U

National Intellectual Property Administration
July 3, 2020

Patents

Certificate No.: No.10906542



Utility Model Patent Certificate

Utility Model Name: A kind of refractory material slag corrosion resistance experimental device

Inventors: LeiNaixu; LiCaixia; CaoWei; HanQisheng; ZhaoYaolin; Guo weiwei

Patent No.: ZL2019 2 1334119.7

Patent Application Date: August 16, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 3, 2020

Authorization Announcement No.: CN 210923417 U

National Intellectual Property Administration
July 3, 2020

Patents



Certificate No.: No.10906543

Utility Model Patent Certificate

Utility Model Name: A kind of unshaped refractory material testing device

Inventors: LiChao; ZhangJianjun; YangHaibo; WangXiaoqing; Wang Dong; WangXiaobo

Patent No.: ZL2019 2 1335923.7

Patent Application Date: August 17, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province (No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 3, 2020

Authorization Announcement No.: CN 210923361 U

National Intellectual Property Administration
July 3, 2020

Patents



Certificate No.: No.10902875

Utility Model Patent Certificate

Utility Model Name: A vibrating table with a fixed device

Inventors: LiChao; PengDejiang; JinQuan; LiJun; GuoWeiwei; DuYangbo

Patent No.: ZL2019 2 1344062.9

Patent Application Date: August 19, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 3, 2020

Authorization Announcement No.: CN 210910451 U

National Intellectual Property Administration
July 3, 2020

Patents

Certificate No.: No.10905707

Utility Model Patent Certificate

Utility Model Name: A kind of multi-functional silo

Inventors: XuDeting; ChenYu; LiChao; JinQuan; WuZhengguang; Zhou Chao

Patent No.: ZL2019 2 1380937.0

Patent Application Date: August 23, 2019

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.
Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: July 3, 2020

Authorization Announcement No.: CN 210910451 U

National Intellectual Property Administration
July 3, 2020



Patents

Certificate No.: No.4314655

Utility Model Patent Certificate

Utility Model Name: Castable production equipment

Inventors: XueHongyan; ZhaiChangen; HuangJiangwen

Patent No.: ZL2014 2 0793081.0

Patent Application Date: December 16, 2014

Patent Owner: Jiaozuo Jinxin Hengtuo Advanced Materials Co., Ltd.

Address: Industrial Zone, Boai County, Jiaozuo City, Henan Province
(No. 688, Guangxing Road), 454450

Authorization Announcement Date: May 20, 2015

People's Republic of China
National Intellectual Property Administration
May 20, 2015

