KLONG
TENACITY FOR INNOVATION
金能新材

KINGLON COMPANY&PRODUCTS INTRODUCTION

http://www.kinglongroup.com/

韧刃与更新
TENACITY FOR INNOVATION

Contact of key position in Kinglon

AMMAR SALEEM Overseas sale Manager Ammar@kinglongroup.com

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01 Company Profile

1.1 Company profile

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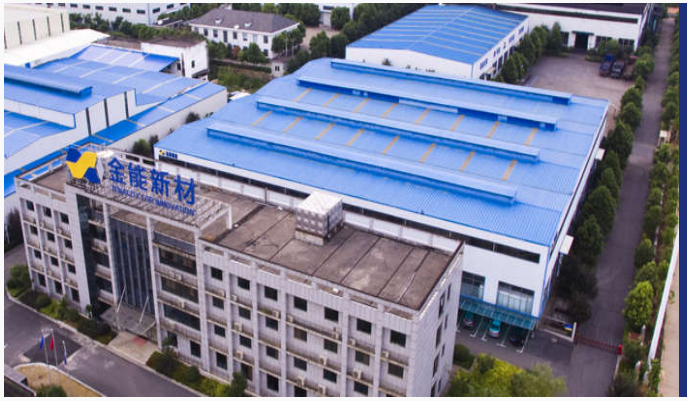
益阳金能新材料有限责任公司
YIYANG KINGLON NEW MATERIALS CO.,LTD



Turnover: 50 million USD

No. of staff.: 130

Production Capacity: 6000t/year



Founded in 2007， Kinglon have been specializing in wear-resistant casting parts manufacturing for mining, quarrying, recycling and cement industries over ten years and have developed to be a leading MMC (Ceramic insert) castings maker in China.

1.2 Overview of Production Line

Sand-Casting Line





1.2 Overview of Production Line

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Lost-Foam Line





1.2 Overview of Production Line

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Machining & Pattern workshop





1.3 Warehouse of Raw Materials

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Raw Materials Stock





1.4 Finished Products Warehouse

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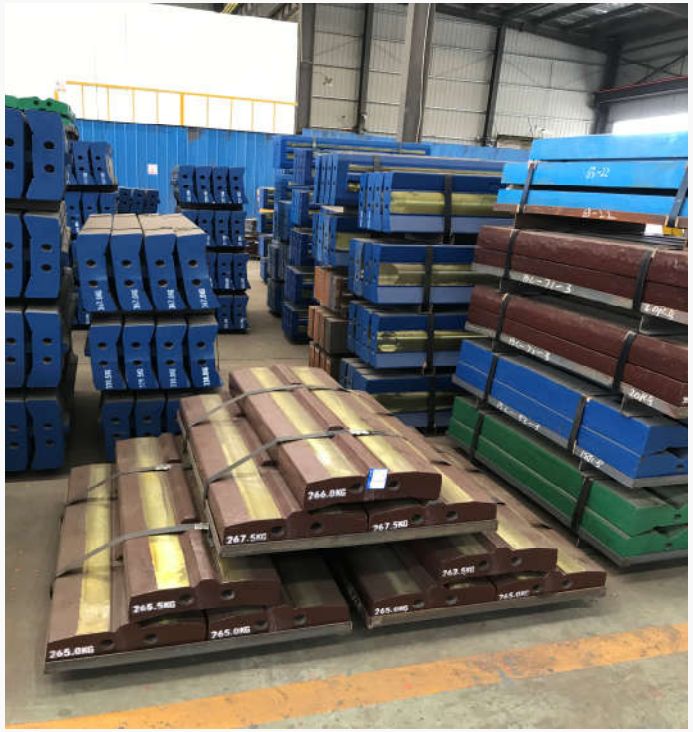
Finished Products Stock








02 Materials & Main Products

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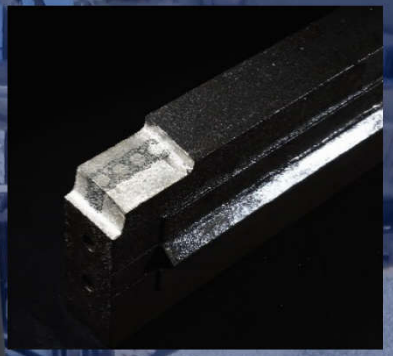

2.1 Materials & Main Products

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1 Wear-Resistant Materials

- Manganese steel+Ceramic
- Martensitic steel+Ceramic
- Chrome white iron+Ceramic
- Chrome-Moly Alloy Steel

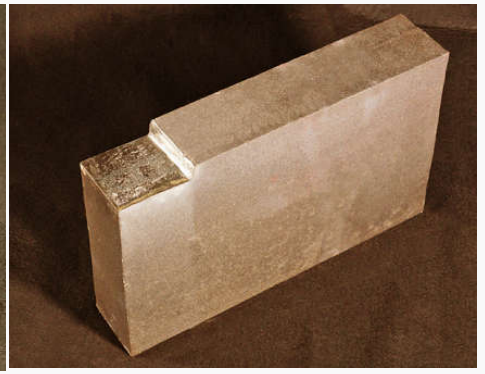
2 Main Products

- Impact crusher blow bars & plates
- Hammers
- Chute wear liners
- Ball mill liners
- Raymond mill rollers
- Washer paddle tips & liners









2.1 Impactor blow bars

1 Materials

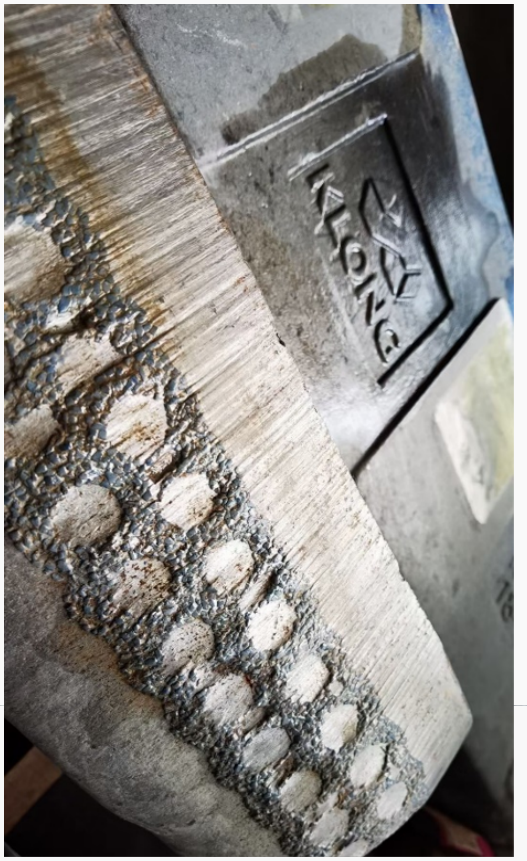
- Chrome & Chrome+Ceramic
- Martensitic steel & Martensitic+Ceramic
- Manganese steel & Manganese+Ceramic

2 Application

- Quarrying, mining and recycling。

3 Advantage of Ceramic Blow Bar

- More wear-resistant, as long as double life time of normal blow bars.



2.2 Crusher hammers





1 Materials

- Chrome & Chrome+Ceramic
- Martensitic steel & Martensitic+Ceramic
- Manganese steel & Manganese+Ceramic

2 Application

- Limestones crushing in quarry, mining and cement plant

3 Advantage of Ceramic Hammers

More wear-resistant, as long as double or triple life time of normal hammers.

2.3 Hammer head

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1 Hammer head

◆Chrome white iron+Ceramic

2 Applications

◆Crushing shales and coal gangues

3 Advantage

◆ More wear-resistant, as long as double or triple life time of normal hammer.







2.4 Chute liners



1 Material

- Chrome white iron & Chrome+Ceramic

2 Application

- Mining chutes

3 Advantage of Ceramic Chute Liners

- More wear-resistant, up to double or triple life time of normal chrome liners
- More impact-resistant than pure ceramic liners

2.5 Mill liners

耐刀与更新

1 Materials

◆Chrome & Chrome+Ceramic

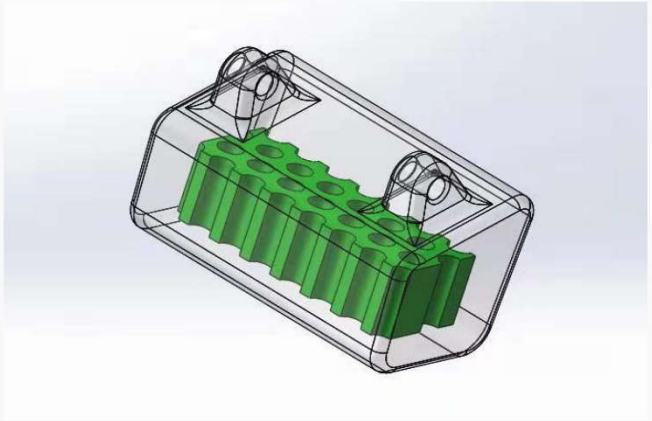
2 Application

◆Mining and Cement plant

3 Advantage of Ceramic Inlaid Liners

◆More wear-resistant, as long as double life time of normal liners





2.6 Raymond mill rollers

1 Materials

◆Chrome white iron+Ceramic

2 Applications

◆Fine grinding in cement plant

3 Advantage of Ceramic roller

◆ More wear-resistant, as long as double life time of normal rollers.





2.7 AG Mill liners

1 Materials

◆Chrome-Moly Alloy Steel

2 Applications

◆AG Mill liners

3 Advantage

◆Good durability





2.9 Washer parts

1 Materials

- Low chrome white iron

2 Applications

- Sand washer paddle tips & liners

3 Advantage

- Competitive cost
- Good wear resistance







2.10 VSI parts

1 Materials

◆High chrome white iron & Chrome+Ceramic

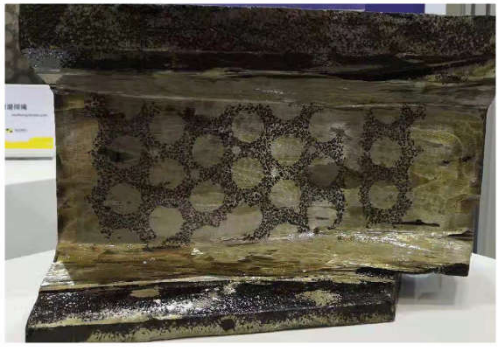
2 Applications

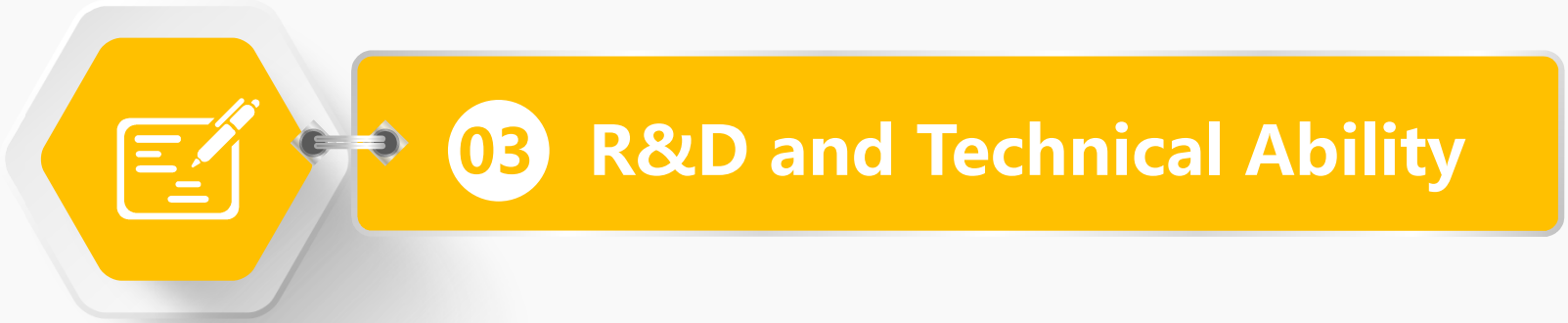
◆VSI crusher impellers and anvils.

3 Advantages of Ceramic impellers

◆More wear-resistant, as long as double or triple life time of normal impeller or anvils.






03
R&D and Technical Ability

3.1 Technical Personnel

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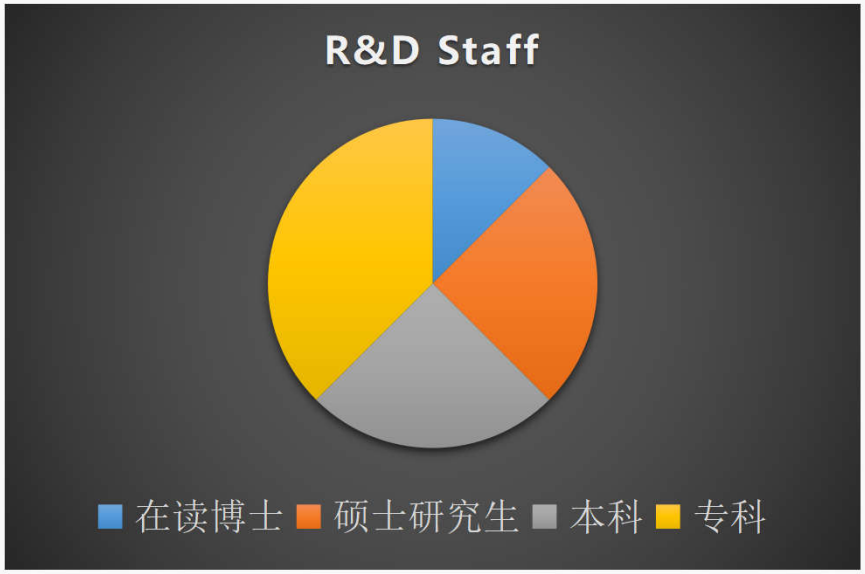
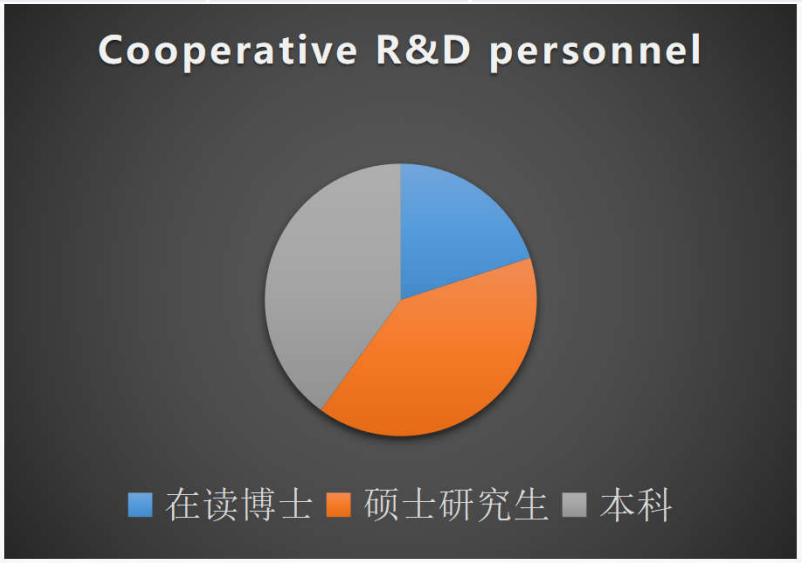
Background of technical team

Dr.	Master	Bachelor	Associate
1	2	2	3



Cooperative university R&D personnel

Professor	Dr.	Postgraduate
1	1	3



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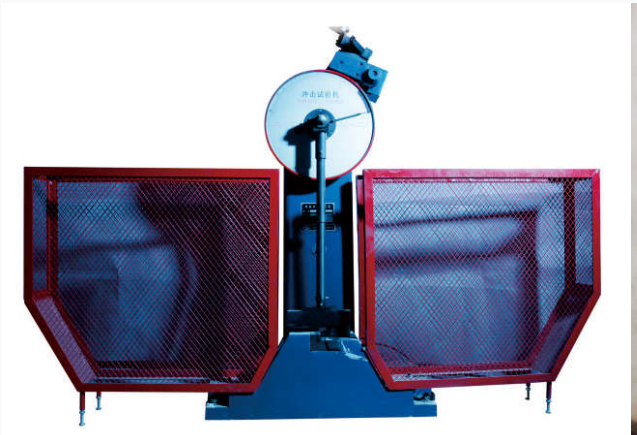
3.2 Testing labs











Specialists & Instruments



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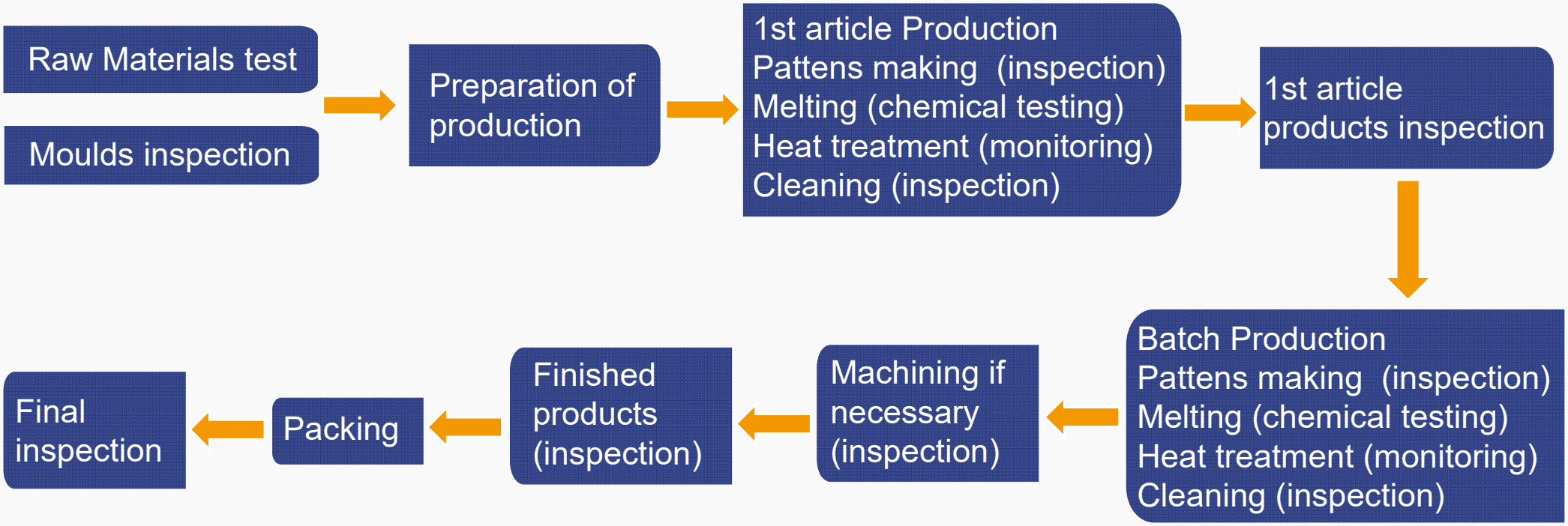
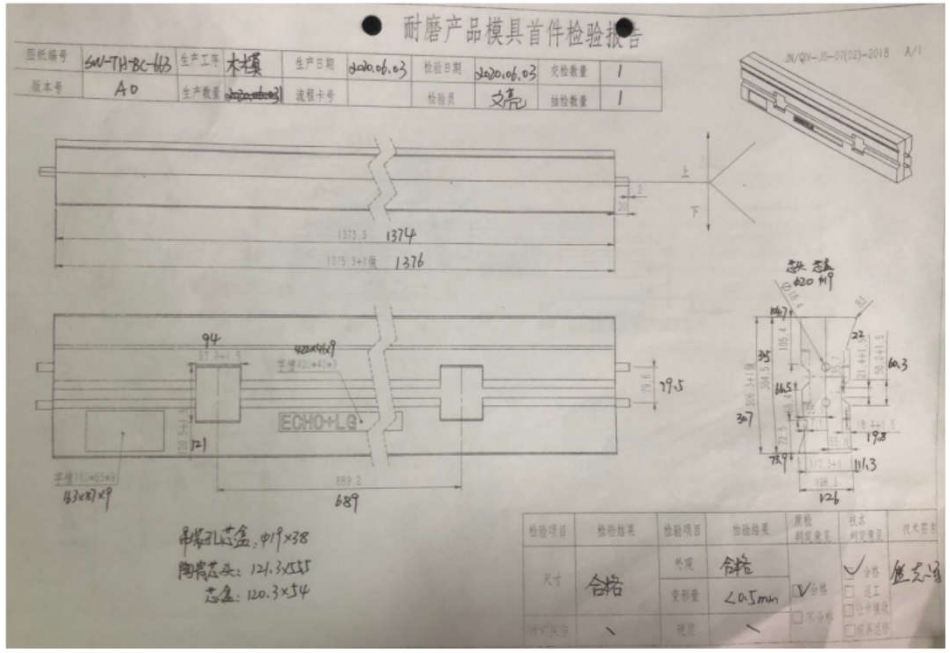
4.1 Quantity Control Process of Production



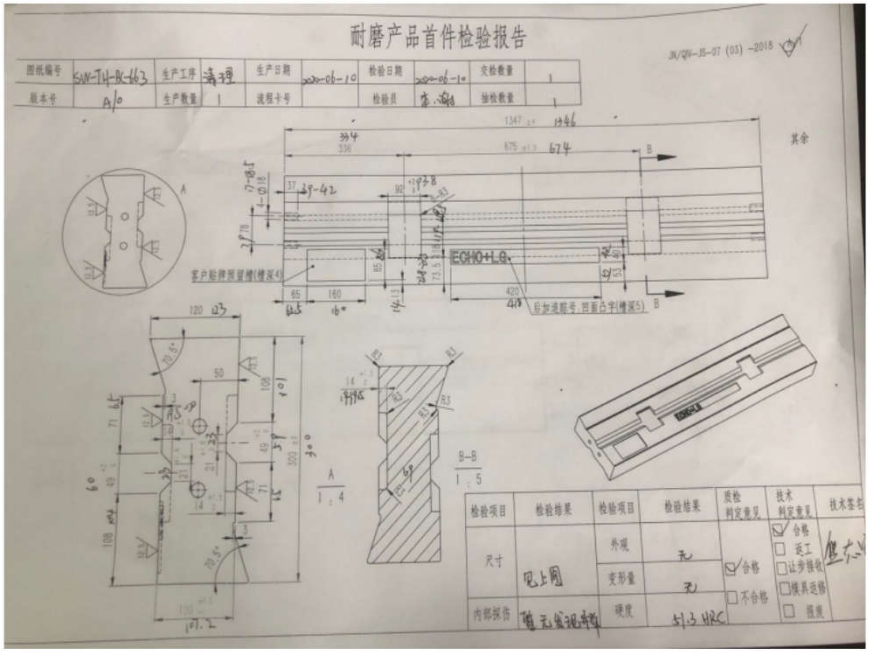
Besides above process, for every blow bar including MMC blow bar, we will carry UT & MT tests for inner quality inspection.

4.2 Case study

Moulds inspection records



1st Article size inspection records



4.2 Case study

Raw materials report from 3rd party lab

长沙矿冶研究院有限责任公司分析检测中心

分 析 报 告 单

送样单位：益阳金能新材料有限责任公司

样品类别：铬铁

送样日期：2020-02-24

样品名称	成分	检测结果	备注
进口铬铁 12T 200218 上海神运	Cr	72.17	%
	Si	1.44	%
	As	15.8	10^{-4}
	Pb	712	10^{-4}
	Sb	1.66	10^{-4}
	Sn	0.54	10^{-4}
微铬 20T 200218 上海神运	Cr	57.37	%
	S	0.0051	%
	Si	1.30	%
	As	2.18	10^{-4}
	Pb	213	10^{-4}
	Sb	2.81	10^{-4}
	Sn	0.29	10^{-4}

注：本结果仅对来样负责。对检验报告如有异议，应于接收到之日起[illegible]天内书面提出，逾期不予受理。

技术负责[illegible] 分析者[illegible] 报告日期 2020年3月9日

Raw materials report of own lab

耐磨原辅材料检验报告

编号：JN/QIY-FM-03-2017 A/1

一、来料情况

原料名称	高碳铬铁	供应商	新化东盛
进货日期	2020-06-08	进货重量	33.33吨
规格型号		包装	吨包
质量证明书	C有C无	验收签名	胡艳芬
检验类别	C物料例检C采购物料样品C开发供方C物料初检C其它		
上传图片			

二、物料检验

1、物料外观、物料标志及物料包装检验

验证项目	标准要求	检验结果	验证结论
外观	应洁净、不允许有夹杂物	正常	C合格C不合格
块状大小		以大块为主	
物料包装及标识		高碳铬铁/袋装	

2、物料物性及理化检验结果

验证项目	标准要求	质量证明书数据	验证结果 送外检验	验证结果 工艺验证	验证结论
Cr	不少于52%	53%	/	约53%	C合格C不合格
Si	不多于1.5%	1.2%	/	1.2%	
C	不少于6.7%	8.1%	/	8%	
S	不多于0.06%	0.051%	/	约0.05%	
P	不多于0.06%	0.041%	/	约0.04%	

检验员：杨闯雄 验证炉次：21-28

上传图片

总体评价：

技术部 签名：熊碧军 日期：2020-06-11

不合格原辅材料处置意见：
C重新验证C让步接收C降级使用C退货

品质部意见：

品质部：李学斌 日期：2020-06-12

办理意见：

步骤名称	办理时间	办理人	状态	办理意见
品质部意见	2020-06-12 07:57	李学斌	同意	同意
技术熊碧军确认	2020-06-11 23:40	熊碧军	审核	审核
物料检验情况	2020-06-11 23:27	杨闯雄	确认	确认
技术	2020-06-08 10:22	熊碧军	确认	确认

追加意见：

4.2 Case study

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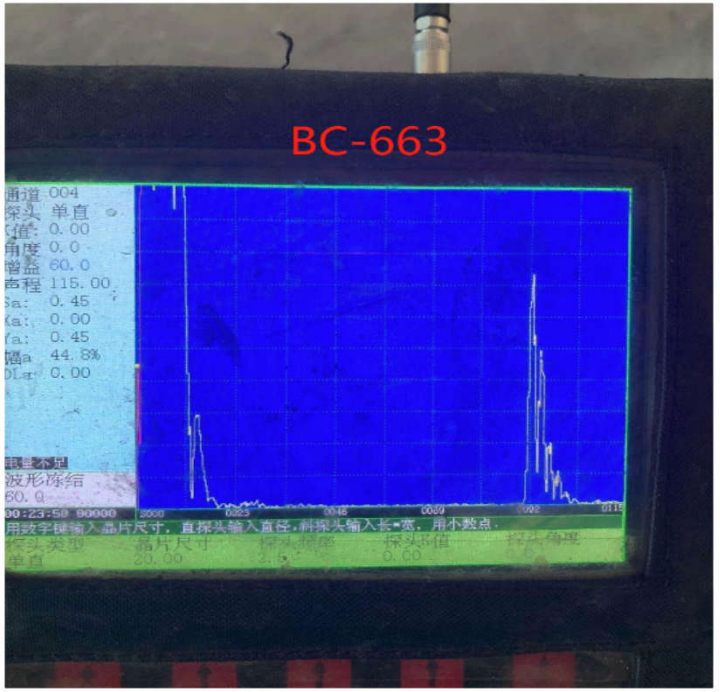
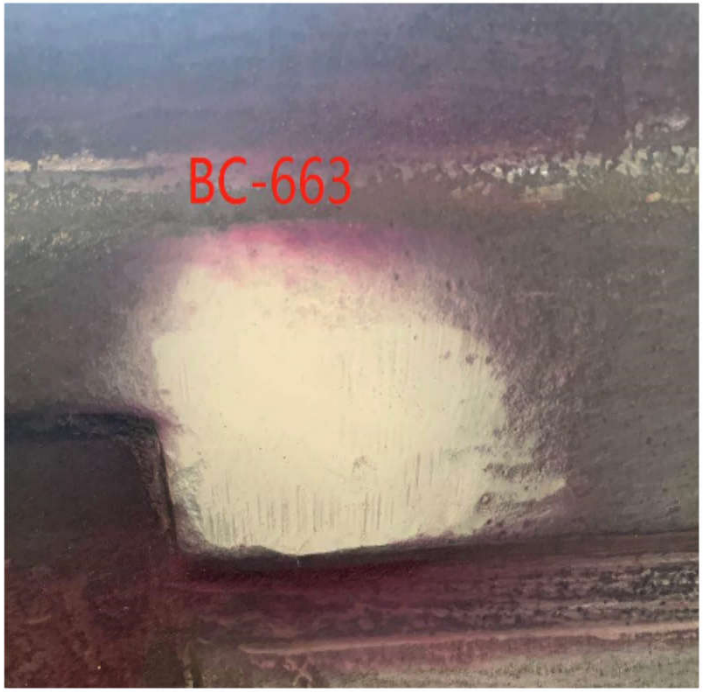
UT inspection



MT inspection



4.2 Case study

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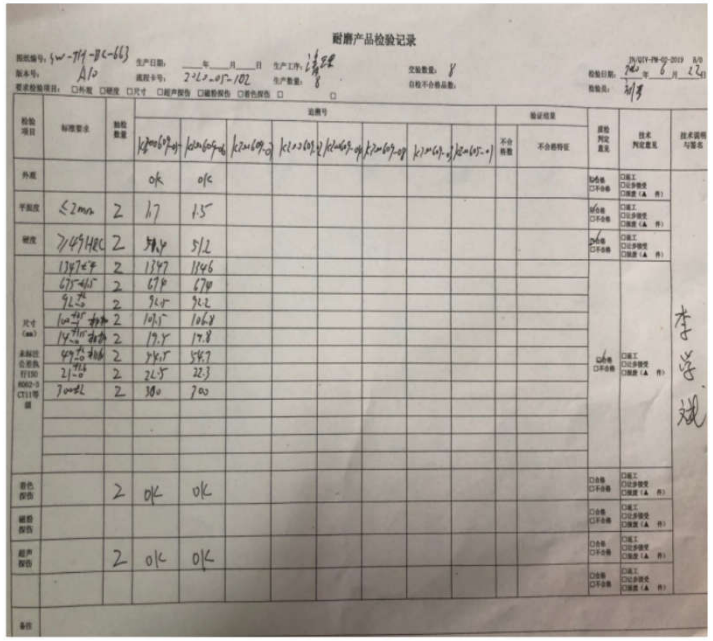
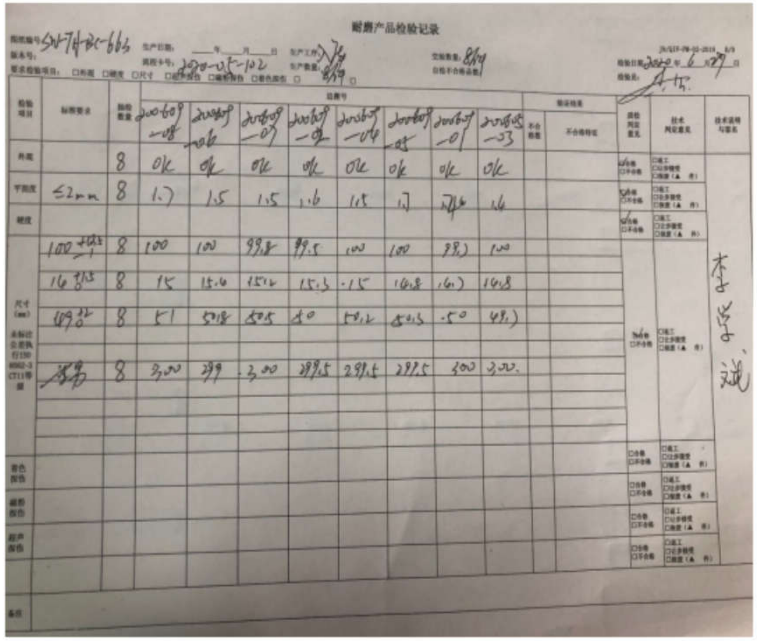
Batch production inspection records



Final inspection records



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4.2 Case study

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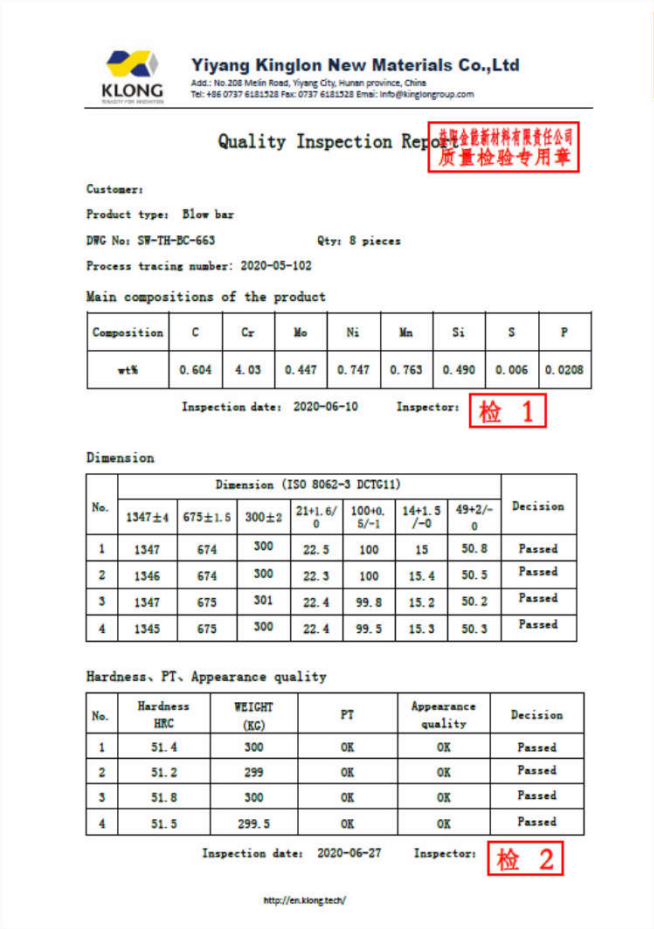
Final reports



Yiyang Kinglon New Materials Co.,Ltd

Add.: No.208 Meilin Road, Yiyang City, Hunan province, China
Tel: +86 0737 6181528 Fax: 0737 6181528 Email: info@kinglongroup.com

Quality Inspection Report

益阳金能新材料有限责任公司 质量检验专用章

Customer:

Product type: Blow bar

DWG No: SW-TH-BC-663 Qty: 8 pieces

Process tracing number: 2020-05-102

Main compositions of the product

Composition	C	Cr	Mo	Ni	Mn	Si	S	P
wt%	0.604	4.03	0.447	0.747	0.763	0.490	0.006	0.0208

Inspection date: 2020-06-10 Inspector: 检 1

Dimension

No.	Dimension (ISO 8062-3 DCTG11)							Decision
	1347±4	675±1.5	300±2	21+1.6/0	100+0.5/-1	14+1.5/-0	49+2/-0	
1	1347	674	300	22.5	100	15	50.8	Passed
2	1346	674	300	22.3	100	15.4	50.5	Passed
3	1347	675	301	22.4	99.8	15.2	50.2	Passed
4	1345	675	300	22.4	99.5	15.3	50.3	Passed

Hardness、PT、Appearance quality

No.	Hardness HRC	WEIGHT (KG)	PT	Appearance quality	Decision
1	51.4	300	OK	OK	Passed
2	51.2	299	OK	OK	Passed
3	51.8	300	OK	OK	Passed
4	51.5	299.5	OK	OK	Passed

Inspection date: 2020-06-27 Inspector: 检 2

http://en.klong.tech/

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4.3 Testing instruments

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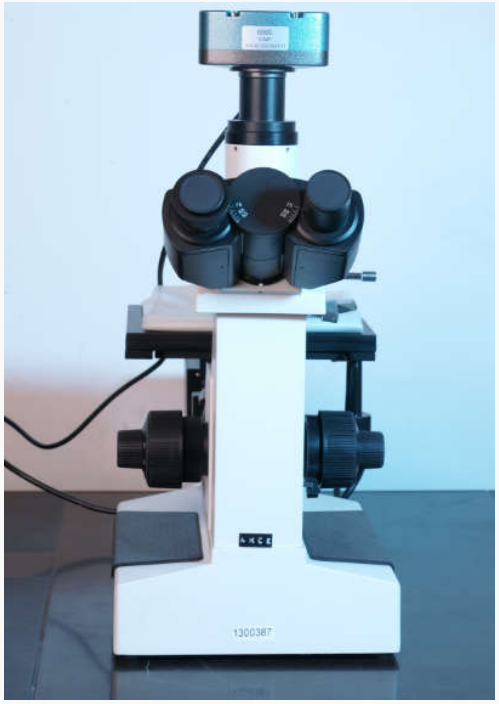
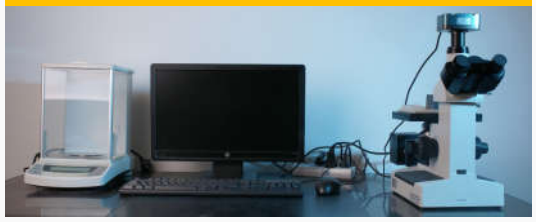


Spectrometer
Metalloscope
UT tester





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4.4 Warranty history of Kinglon products-last 3years

Warranty policy & history

In case of quality complaints with pictures, identifications and other materials that can prove the defects of Kinglon's products, Kinglon will replace the defective products in free of charge and all the expenses occurred related with replacements will be on Kinglon's side. If the products are only complained for unexpected wear life, Kinglon will agree to discount the products based on the real conditions.

Year	Rejection	Quality claims	Country	Qulity issue	Solutions
2021	No	1 case	Australia	Package damage	Reinforced package
2022	No	1 case	Australia	Less Nos. delivered than order	Re-shipped in free of charge
2022	No	1 case	Australia	Over size	Compensation for local re-machining
2022	No	1 case	China	Chrome bar Breakage	Over size feeding. Kinglon checked on site and advised martensitic bar option
2022	No	1 case	New Zealand	Over size	Compensation for local re-machining
2023	No	1 case	Poland	Painting issue	Compensation for re-painting
2023	no	1 case	China	Over size	Re-machining

05 Products list

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5.1 Blow bar list

Machine Brand	Machine or part number	Kinglon Drawing No.
Metso	LT-NP 1007	228
	LT-NP 1110	65
	LT-NP 1213	63
	LT-NP 1315/1415	108
	LT-NP 1520/1620	236
Hazemag	1022	231
	1313	71
	1320	235
	1515	70
	791	253
	1315	227
	789	
Sandvik	QI341 (QI240)	69/81
	QI441(QI440)	234
	QI340 (I-C13)	57
	CI124	
	CI224	

Machine Brand	Machine or part number	Kinglon Drawing No.
Kleemann	MR110 EVO (C shape)	95
	MR130 EVO (C shape)	60
	MR100Z (X shape)	
	MR122Z (X shape)	92
Terex Pegson	XH250 (CR004-012-001)	59
	XH320-new	103
	XH320-old	248
	1412 (XH500)	102
	428 Tracpactor 4242 (300 high)	94
Powerscreen	Trackpactor 320	214
Terex Finlay	I-100	59
	I-110	204
	I-120	214
	I-130	83
	I-140	262

5.1 Blow bar list

Machine Brand	Machine or part number	Kinglon Drawing No.
Rubblemaster	RM60	54
	RM70	56
	RM80	55
	RM100	53
	RM120	640
Tesab	RK-623	58
	RK-1012	61
Extec	C13	57
Telsmith	6060	80
Keestrack	R3	222
	R5	207
McCloskey	I44	93
	I54	79
Lippmann	4248	72
Eagle	1400	73
	1200	265

Machine Brand	Machine or part number	Kinglon Drawing No.
Striker	907	88
	1112/1312 -100mm	77
	1112/1312 -120mm	74
	1315	264
Kumbee	No1	51
	No2	50



06 Key customers & Exports

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6.1 Key customers

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HOLCIM

CRH

CEMEX

Metso

TEREX CORPORATION

WIRTGEN

McCloskey INTERNATIONAL

HAZEMAG

STRIKER CRUSHING & SCREENING

6.2 Global Sales Reference



America

USA
Canada
Argentina
Mexico
Colombia
Brazil
Chile
Ecuador
Paraguay

Africa

South Africa
Kenya

Oceania

UK
Spain
Germany
France
Russia
Finland
Poland
Netherlands
Italy
Romania
Lithuania
Switzerland

Asia

Indonesia
Singapore

6.3 Local Customer Support & Support

07 Certificates

KLONG
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7.1 Quality management certificates



CQC

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00119Q34471R4M/4300

We hereby certify that

Yiyang Kinglon New Materials Co.,Ltd.

Unified Social Credit Code: 91430900796888585 1

No.208 Meilin Road, Hi-Tech Development Zone, Heshan District, Yiyang City, Hunan Province, P.R.China

by reason of its

Quality Management System

has been awarded this certificate for compliance with the standard

GB/T 19001-2016 / ISO 9001:2015

The Quality Management System Applies in the following area:

The Production of Manganese Alloy Materials and Metal Based Composite Wear Resistant Materials

Certified since: August 1, 2007 Valid from: June 17, 2019 Valid until: June 17, 2022

After a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC. Please access www.cqc.com.cn for checking validity of the certificate.
This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn).

IAF CNAS IQNet

CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansihuan(the South Fourth Ring Road) Xilu(West Road), Beijing 100070,China

http://www.cqc.com.cn

A 0023759 2018年版



CQC

质量管理体系认证证书

证书编号：00119Q34471R4M/4300

兹证明

益阳金能新材料有限责任公司

统一社会信用代码: 91430900796888585 1

中国湖南省益阳市赫山区高新技术产业开发区梅林路 208 号

建立的质量管理体系符合标准：

GB/T 19001-2016 / ISO 9001:2015

通过认证范围如下：

锰合金材料、铁基（复合）耐磨材料的生产

首次发证日期：2007年8月1日 本次发证日期：2019年6月17日 有效期至：2022年6月17日

在一个监督周期后，本证书必须与CQC签发的监督审核合格通知书合并使用方可有效。查询证书有效状态请登陆www.cqc.com.cn。
本证书信息可在国家认证认可监督管理委员会官方网站（www.cnca.gov.cn）上查询

IAF CNAS IQNet

中国质量认证中心

中国·北京·南四环西路188号9区 100070

http://www.cqc.com.cn

A 0023759 2018年版

7.2 Environment management certificate



CQC

环境管理体系认证证书

证书编号：00118E30663R0S/4300

兹证明

益阳金能新材料有限责任公司

中国湖南省益阳市赫山区高新技术产业开发区梅林路208号

建立的环境管理体系符合标准：

GB/T 24001-2016 / ISO 14001:2015

通过认证范围如下：

锰合金材料的生产及相关管理活动

首次发证日期：2018 年 2 月 13 日　本次发证日期：2018 年 2 月 13 日　有效期至：2021 年 2 月 12 日

在一个监督周期后，本证书必须与CQC签发的监督审核合格通知书合并使用方可有效。查询证书有效状态请登陆www.cqc.com.cn

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http://www.cqc.com.cn

7.3 Safety production standardization



安全生产标准化
Work safety standardization

证书
CERTIFICATE

●证书编号：AQBIIIJX 湘 202001002

益阳金能新材料有限责任公司

安全生产标准化三级企业

（ 机械 ）

●有效期至：2023 年 01 月 15 日

益阳市应急管理局

2020 年 01 月 16 日

国家应急管理部监制
Ministry of Emergency Management

7.4 Intellectual property system certificate



博纳认证
BONA

知识产权管理体系认证证书

证书编号：34620IP0R00N0574M

兹证明

益阳金能新材料有限责任公司

统一信用代码：91430900796888851

注册地址：益阳市高新技术产业开发区梅林路 208 号

生产/经营地址：益阳市高新技术产业开发区梅林路 208 号

知识产权管理体系符合 GB/T 29490-2013 标准的要求

知识产权管理体系适用范围

锰合金材料、铁基复合陶瓷耐磨材料的研发、生产、销售涉及的知识产权管理活动

注：认证注册范围不包括未获得有效的国家规定的相关行政许可、资质许可的产品/服务范围

获证组织在证书有效期内每年至少接受一次监督审核，监督审核合格换发证书后方继续有效。

本证书信息可在国家认监委网站 www.cnca.gov.cn 和本公司网站查询。

首次发证日期：2020 年 06 月 23 日

本次发证日期：2020 年 06 月 23 日

证书换发日期：2021 年 06 月 23 日

证书有效日期：2023 年 06 月 22 日

签发人：

BONA

博纳检测认证有限公司

地址：长沙高新区麓云路18号二期生产楼4楼

电话：0731-85450008

网址：www.bonalab.com

7.5 High-tech enterprise certificate



7.5 Patent certificates



证书号第10345228号

实用新型专利证书

实用新型名称：一种金属陶瓷复合双金属甩锤

发　明　人：林迈里;张群力;熊志军;李晋平;郭风华;熊碧军

专　利　号：ZL 2019 2 1338577.8

专利申请日：2019年08月16日

专利权人：益阳金能新材料有限责任公司

地　　址：413000 湖南省益阳市高新技术产业开发区梅林路208号

授权公告日：2020年04月21日　　授权公告号：CN 210357383 U

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发实用新型专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。专利权期限为十年，自申请日起算。

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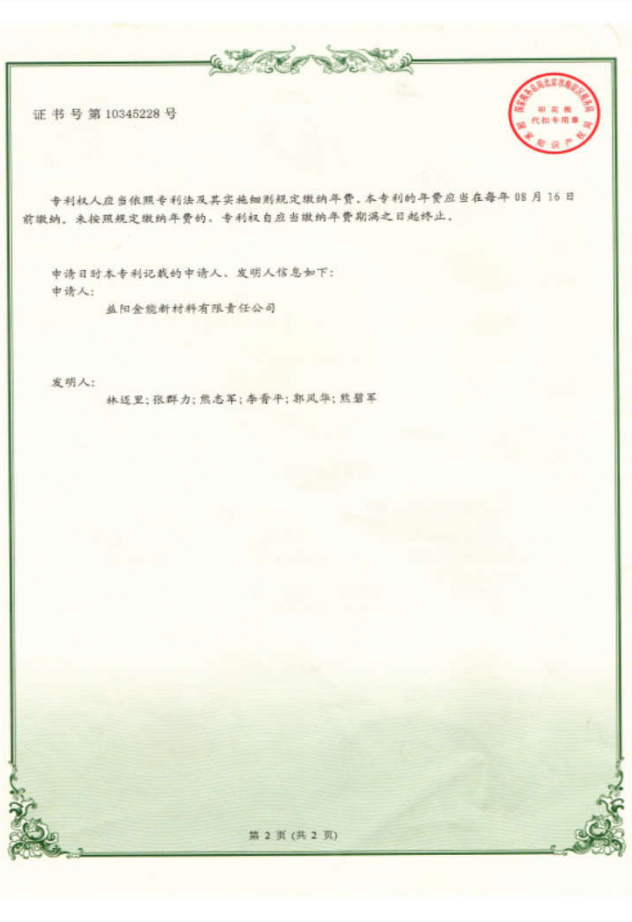
局长
申长雨

国家知识产权局

2020年04月21日

第1页(共2页)

其他事项参见背面



证书号第10345228号

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申请日时本专利记载的申请人、发明人信息如下：

申请人：

益阳金能新材料有限责任公司

发明人：

林迈里;张群力;熊志军;李晋平;郭风华;熊碧军

第2页(共2页)

7.6 Patent certificates



证书号第10357838号

实用新型专利证书

实用新型名称：一种四方锤头

发　明　人：林迈里;张群力;熊志军;李晋平;郭风华;熊碧军

专　利　号：ZL 2019 2 1338126.4

专利申请日：2019年08月16日

专 利 权 人：益阳金能新材料有限责任公司

地　　址：413000 湖南省益阳市高新技术产业开发区梅林路208号

授权公告日：2020年04月21日　　授权公告号：CN 210357382 U

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发实用新型专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。专利权期限为十年，自申请日起算。

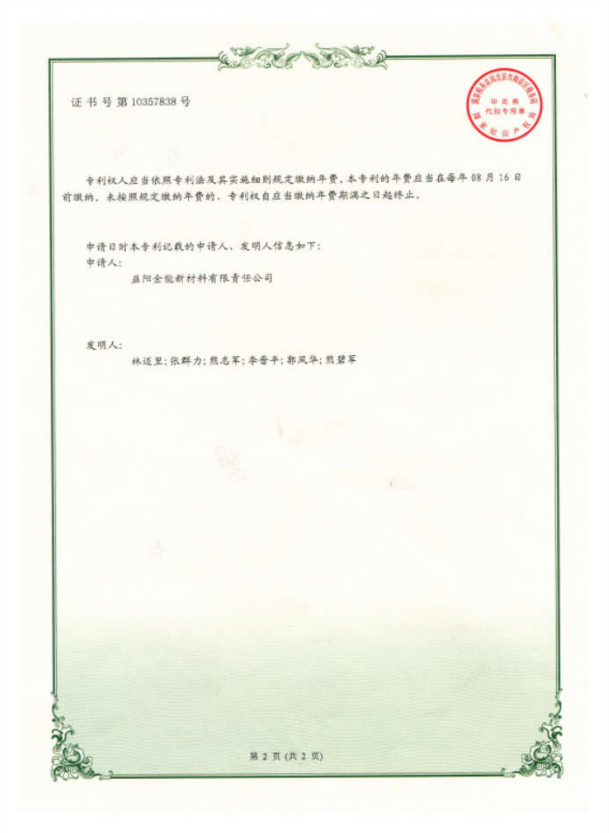
专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长
申长雨

2020年04月21日

第1页(共2页)

其他事项参见背面



证书号第10357838号

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申请日时本专利记载的申请人、发明人信息如下：

申请人：

益阳金能新材料有限责任公司

发明人：

林迈里;张群力;熊志军;李晋平;郭风华;熊碧军

第2页(共2页)

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