



北 钻 固 控
Solids Control

SMART SOLIDS CONTROL AND SEPARATION EQUIPMENT

HEBEI BZ SOLIDS CONTROL CO., LTD



COMPANY INTRODUCTION

BZ Solids Control is a manufacturer involving in research & development, production, sales and service of smart solids control equipment and system. With registered capital of 66.64 million yuan and an area of 35,000 square meters, the company is located in Sanhe City, Hebei Province, between Beijing and Tianjin, 50 kilometers away from Beijing Capital Airport and 150 kilometers away from Tianjin Port.

Main Product

Shale Shaker, Vacuum Shale Shaker, High G Drying Shaker, Shaker Screen, Vacuum Degasser, Desander And Desilter, Desander, Desilter, Decanter Centrifuge, Mud Agitator, Centrifugal Pump, Shear Pump, Submersible Slurry Pump, Screw Pump, Mud Gas Separator, Flare Ignition Device, Jet Mud Mixer, Vertical Cuttings Dryer, Vacuum Pump, Screw Conveyor, Mud Tanks, Water Tanks, diesel Tanks.

Application

Oil gas drilling solids control, drilling waste management, oil sludge treatment, HDD mud recycling, municipal mud recovery, CBM drilling, TBM and Bored Piling Mud Cleaning, Mining drilling mud recovery, River dredging.

Vision

The pursuit of excellence is endless, advance with time and create future!

BZ Certificate

健康安全环境管理体系认证证书

证编号: 316231000200

兹证明
河北北钻石油钻采设备有限公司

统一社会信用代码: 91131028MA0C0D98H
注册地址: 河北省廊坊市三河市燕郊镇东里村 邮编: 065209
经营地址: 河北省廊坊市三河市燕郊镇东里村 邮编: 065209

健康安全环境管理体系符合
Q/SY8002.1-2022/SY/16276-2014

该体系认证所覆盖的范围
石油钻井监控系统、废弃物处理设备、环保设备、负压抽滤、钻屑甩干机、负压输送机(真空泵)、泥浆冷却系统的设计和制造

认证证书的有效性依赖于获证企业持续符合下列认证标准的要求
国家认证认可监督管理委员会网站 www.cnca.gov.cn
国家认监委网站: www.cqc.com.cn

初次发证日期: 2023年09月07日
本次发证日期: 2023年09月07日
证书有效期至: 2025年09月06日

签发人: **阿洪涛**

华生原检测认证中心(北京)有限公司
中心地址: 北京市朝阳区北辰西路13号院1号楼7层B单元709
中心网站: www.china-ccc.org 电话: 010-52421856
中国·北京

HSE MANAGEMENT SYSTEM CERTIFICATE

No. 316231000200

Awarded to
Hebei BZ Solids Control Co., Ltd.

Unified social credit code: 91131028MA0C0D98H
Registration Add: Dong Ji Village Juyang Town, Sanhe, Langfang, Hebei, China
Service Add: Dong Ji Village Juyang Town, Sanhe, Langfang, Hebei, China

The HSE Management System of the above organization has been assessed
Q/SY8002.1-2022/SY/16276-2014
Scope of this management Certification

Design and sales for Oil drilling solids control system, waste treatment equipment, environmental protection equipment, vacuum suction shale shaker, vertical cuttings dryer, vacuum solids convey pump (vacuum pump), slurry cooling system.

Certificate query approach:
National Certification and Accreditation Administration, www.cnca.gov.cn
Certification body website: www.china-ccc.org

Date of issue: July 13th, 2022 Date of expiration: September 07th, 2025
Valid until: July 13th, 2025

签发人: **阿洪涛**

CEOC Testing & Certification Center (Beijing) Co., Ltd.
Address: Room 709 Unit B, Building 1, Yard 13, Beiyuan Road, Chaoyang District, Beijing
Website: www.china-ccc.org Phone: 010-52421856
Beijing-China

质量管理体系认证证书

证编号: 316231000300

兹证明
河北北钻石油钻采设备有限公司

统一社会信用代码: 91131028MA0C0D98H
注册地址: 河北省廊坊市三河市燕郊镇东里村 邮编: 065209
经营地址: 河北省廊坊市三河市燕郊镇东里村 邮编: 065209

质量管理体系符合
GB/T19001-2016/ISO9001:2015 标准的要求

该体系认证所覆盖的范围
石油钻井监控系统、废弃物处理设备、环保设备、负压抽滤、钻屑甩干机、负压输送机(真空泵)、泥浆冷却系统的设计和制造

初次发证日期: 2022年07月13日 本次发证日期: 2023年09月07日 证书有效期至: 2025年09月06日

获证证书的有效性依赖于获证企业持续符合下列认证标准的要求
认证证书的有效性依赖于获证企业持续符合下列认证标准的要求
国家认证认可监督管理委员会网站 www.cnca.gov.cn
国家认监委网站: www.cqc.com.cn

签发人: **阿洪涛**

华生原检测认证中心(北京)有限公司
中心地址: 北京市朝阳区北辰西路13号院1号楼7层B单元709
中心网站: www.china-ccc.org 电话: 010-52421856

QUALITY MANAGEMENT SYSTEM CERTIFICATE

No. 316231000300

Awarded to
Hebei BZ Solids Control Co., Ltd.

Unified social credit code: 91131028MA0C0D98H
Registration Add: Dong Ji Village Juyang Town, Sanhe, Langfang, Hebei, China
Service Add: Dong Ji Village Juyang Town, Sanhe, Langfang, Hebei, China

The Quality Management System of the above organization has been assessed
GB/T19001-2016 / ISO9001:2015
Scope of this management Certification

Design and sales for Oil drilling solids control system, waste treatment equipment, environmental protection equipment, vacuum suction shale shaker, vertical cuttings dryer, vacuum solids convey pump (vacuum pump), slurry cooling system.

Certificate query approach:
National Certification and Accreditation Administration, www.cnca.gov.cn

Date of issue: July 13th, 2022 Date of expiration: September 07th, 2025
Valid until: July 13th, 2025

签发人: **阿洪涛**

CEOC Testing & Certification Center (Beijing) Co., Ltd.
Address: Room 709 Unit B, Building 1, Yard 13, Beiyuan Road, Chaoyang District, Beijing
Website: www.china-ccc.org Phone: 010-52421856

环境管理体系认证证书

证编号: 316231000400

兹证明
河北北钻石油钻采设备有限公司

统一社会信用代码: 91131028MA0C0D98H
注册地址: 河北省廊坊市三河市燕郊镇东里村 邮编: 065209
经营地址: 河北省廊坊市三河市燕郊镇东里村 邮编: 065209

环境管理体系符合
GB/T24001-2016/ISO 14001:2015 标准的要求

该体系认证所覆盖的范围
石油钻井监控系统、废弃物处理设备、环保设备、负压抽滤、钻屑甩干机、负压输送机(真空泵)、泥浆冷却系统的设计和制造及相关的环保管理活动

初次发证日期: 2022年07月13日 本次发证日期: 2023年09月07日 证书有效期至: 2025年09月06日

获证证书的有效性依赖于获证企业持续符合下列认证标准的要求
认证证书的有效性依赖于获证企业持续符合下列认证标准的要求
国家认证认可监督管理委员会网站 www.cnca.gov.cn
国家认监委网站: www.cqc.com.cn

签发人: **阿洪涛**

华生原检测认证中心(北京)有限公司
中心地址: 北京市朝阳区北辰西路13号院1号楼7层B单元709
中心网站: www.china-ccc.org 电话: 010-52421856

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

No. 316231000400

Awarded to
Hebei BZ Solids Control Co., Ltd.

Unified social credit code: 91131028MA0C0D98H
Registration Add: Dong Ji Village Juyang Town, Sanhe, Langfang, Hebei, China
Service Add: Dong Ji Village Juyang Town, Sanhe, Langfang, Hebei, China

The Environmental Management System of the above organization has been assessed
GB/T24001-2016 / ISO14001:2015
Scope of this management Certification

Design and sales and related environmental management activities for Oil drilling solids control system, waste treatment equipment, environmental protection equipment, vacuum suction shale shaker, vertical cuttings dryer, vacuum solids convey pump (vacuum pump), slurry cooling system.

Certificate query approach:
National Certification and Accreditation Administration, www.cnca.gov.cn

Date of issue: July 13th, 2022 Date of expiration: September 07th, 2025
Valid until: July 13th, 2025

签发人: **阿洪涛**

CEOC Testing & Certification Center (Beijing) Co., Ltd.
Address: Room 709 Unit B, Building 1, Yard 13, Beiyuan Road, Chaoyang District, Beijing
Website: www.china-ccc.org Phone: 010-52421856

职业健康安全管理体系认证证书

证编号: 316231000500

兹证明
河北北钻石油钻采设备有限公司

统一社会信用代码: 91131028MA0C0D98H
注册地址: 河北省廊坊市三河市燕郊镇东里村 邮编: 065209
经营地址: 河北省廊坊市三河市燕郊镇东里村 邮编: 065209

职业健康安全管理体系符合
GB/T45001-2020/ISO 45001:2018 标准的要求

该体系认证所覆盖的范围
石油钻井监控系统、废弃物处理设备、环保设备、负压抽滤、钻屑甩干机、负压输送机(真空泵)、泥浆冷却系统的设计和制造及相关的职业健康安全管理工作

初次发证日期: 2022年07月13日 本次发证日期: 2023年09月07日 证书有效期至: 2025年09月06日

获证证书的有效性依赖于获证企业持续符合下列认证标准的要求
认证证书的有效性依赖于获证企业持续符合下列认证标准的要求
国家认证认可监督管理委员会网站 www.cnca.gov.cn
国家认监委网站: www.cqc.com.cn

签发人: **阿洪涛**

华生原检测认证中心(北京)有限公司
中心地址: 北京市朝阳区北辰西路13号院1号楼7层B单元709
中心网站: www.china-ccc.org 电话: 010-52421856

OCCUPATION HEALTH SAFETY MANAGEMENT SYSTEM CERTIFICATE

No. 316231000500

Awarded to
Hebei BZ Solids Control Co., Ltd.

Unified social credit code: 91131028MA0C0D98H
Registration Add: Dong Ji Village Juyang Town, Sanhe, Langfang, Hebei, China
Service Add: Dong Ji Village Juyang Town, Sanhe, Langfang, Hebei, China

The Occupational Health and Safety Management System of the above
GB/T45001-2020 / ISO 45001:2018
Scope of this management Certification

Design and sales and related occupational health and safety management activities for Oil drilling solids control system, waste treatment equipment, environmental protection equipment, vacuum suction shale shaker, vertical cuttings dryer, vacuum solids convey pump (vacuum pump), slurry cooling system.

Certificate query approach:
National Certification and Accreditation Administration, www.cnca.gov.cn

Date of issue: July 13th, 2022 Date of expiration: September 07th, 2025
Valid until: July 13th, 2025

签发人: **阿洪涛**

CEOC Testing & Certification Center (Beijing) Co., Ltd.
Address: Room 709 Unit B, Building 1, Yard 13, Beiyuan Road, Chaoyang District, Beijing
Website: www.china-ccc.org Phone: 010-52421856

售后服务认证证书

证编号: 316231000600

兹证明
河北北钻石油钻采设备有限公司

统一社会信用代码: 91131028MA0C0D98H
注册地址: 河北省廊坊市三河市燕郊镇东里村 邮编: 065209
经营地址: 河北省廊坊市三河市燕郊镇东里村 邮编: 065209

建立的售后服务体系符合
GB/T 27922-2011 (两晶售后服务评价体系) 标准

服务认证范围:
环保设备(含泥浆处理设备)、石油钻井监控系统(含负压抽滤、钻屑甩干机、负压输送机(真空泵))、废弃物处理设备(含真空输送机、负压输送机)

发证日期: 2023年9月07日
证书有效期至: 2026年8月31日

注: 获证证书的有效性依赖于获证企业持续符合下列认证标准的要求, 且2024年9月1日起, 本证书将与《获证企业注册信息公告》一并使用

中祥标准认证有限公司
地址: 北京市朝阳区北辰西路13号院1号楼7层B单元709
电话: 010-52421856

BZ Certificate

CERTIFICATE OF REGISTRATION

中祥标准认证有限公司
安全生产标准化认证证书
注册号: 1000001200000

兹证明
河北北钻石油钻采设备有限公司
统一社会信用代码: 91131003MA0K09903L
注册地址: 河北省廊坊市三河市为州镇东关村 邮编: 065200
经营地址: 河北省廊坊市三河市为州镇东关村 邮编: 065200
经评审, 组织的安全生产标准化服务达到:
GB/T33000-2016《企业安全生产标准化基本规范》标准
三级

有效期(证书有效期内): 自获证之日起12个月, 有效期内, 当内审或
外审发现问题, 需按照《认证证书获证后监督审核实施程序》规定进行整改(注: 3)

发证日期: 2023年 8月17日
证书有效期至: 2024年 8月16日

注: 本证书按《认证证书获证后监督审核实施程序》规定进行续证。
本证书与《认证证书注册实施细则》一并使用。

中祥标准认证有限公司
地址: 河北省廊坊市三河市为州镇东关村 邮编: 065200
电话: 0316-2887272

CERTIFICATE OF REGISTRATION

Zhongxiang Standard Certification Co., Ltd.
SAFETY PRODUCTION STANDARDIZATION CERTIFICATE
Registration number: 1000001200000

Attestation
Hebei BZ Solids Control CO.Ltd
Unified Social Credit Code: 91131003MA0K09903L
Registered address: Jianshe Jie Weizhuo Cui, Nanyang
City, Langfang City, Hebei Province postcode: 065200
Business address: Jianshe Jie Weizhuo Cui, Nanyang
City, Langfang City, Hebei Province postcode: 065200

After review, the organization reached:
GB/T33000-2016 "Basic specifications for enterprise
safety production standardization" standard:
Level III

Before production standardization activities related to the scope of environmental
protection equipment used control system, oil drilling rig, control system, hoist
drum, roller, central casting device, crane, crane, crane (tower crane) and other
equipment (three levels)

Date of issue: August 17, 2023
The certificate valid until: August 16, 2024
Note: This certificate is subject to regular supervision and audit and the audit schedule
of this certificate continues to be valid. From March 17, 2019, this certificate shall be valid until
12 months after registration.

中祥标准认证有限公司
地址: 河北省廊坊市三河市为州镇东关村 邮编: 065200
电话: 0316-2887272

企业信用等级证书
Enterprise Credit Rating Certificate

获证单位
河北北钻石油钻采设备有限公司
河北省廊坊市三河市为州镇东关村

所建立的信用管理体系经审核,
符合Q/SXHX001-2021标准条款的要求, 被评为:

AAA级信用企业

证书编号: ZSTDY13CYFYS12098
颁证日期: 2023-09-01
有效期至: 2026-08-31
公示网站: 全国信用信息公示服务平台
<http://www.credit999.cn>
中国招标投标网
<https://credit.cecbid.org.cn/>

国家标准备案号: Q/ZSTD001-2021

企业资信等级证书
Enterprise Credit Rating Certificate

获证单位
河北北钻石油钻采设备有限公司
河北省廊坊市三河市为州镇东关村

所建立的信用管理体系经审核,
符合Q/SXHX001-2021标准条款的要求, 被评为:

AAA级资信企业

证书编号: ZSTDY13CYFYS12098
颁证日期: 2023-09-01
有效期至: 2026-08-31
公示网站: 全国信用信息公示服务平台
<http://www.credit999.cn>
中国招标投标网
<https://credit.cecbid.org.cn/>

国家标准备案号: Q/ZSTD001-2021

诚信供应商企业
Honest Supplier Enterprise

获证单位
河北北钻石油钻采设备有限公司
河北省廊坊市三河市为州镇东关村

所建立的信用管理体系经审核,
符合Q/SXHX001-2021标准条款的要求, 被评为:

AAA级诚信供应商

证书编号: ZSTDY13CYFYS12092
颁证日期: 2023-09-01
有效期至: 2026-08-31
公示网站: 全国信用信息公示服务平台
<http://www.credit999.cn>
中国招标投标网
<https://credit.cecbid.org.cn/>

国家标准备案号: Q/ZSTD001-2021

诚信经营示范单位
Credit Management Demonstration Unit

获证单位
河北北钻石油钻采设备有限公司
河北省廊坊市三河市为州镇东关村

所建立的信用管理体系经审核,
符合Q/SXHX001-2021标准条款的要求, 被评为:

AAA级诚信经营示范单位

证书编号: ZSTDY13CYFYS12097
颁证日期: 2023-09-01
有效期至: 2026-08-31
公示网站: 全国信用信息公示服务平台
<http://www.credit999.cn>
中国招标投标网
<https://credit.cecbid.org.cn/>

国家标准备案号: Q/ZSTD001-2021

质量服务诚信单位
Quality Service Integrity Unit

获证单位
河北北钻石油钻采设备有限公司
河北省廊坊市三河市为州镇东关村

所建立的信用管理体系经审核,
符合Q/SXHX001-2021标准条款的要求, 被评为:

AAA级质量服务诚信单位

证书编号: ZSTDY13CYFYS12099
颁证日期: 2023-09-01
有效期至: 2026-08-31
公示网站: 全国信用信息公示服务平台
<http://www.credit999.cn>
中国招标投标网
<https://credit.cecbid.org.cn/>

国家标准备案号: Q/ZSTD001-2021

重服务守信用企业
Service Oriented And Trustworthy Enterprises

获证单位
河北北钻石油钻采设备有限公司
河北省廊坊市三河市为州镇东关村

所建立的信用管理体系经审核,
符合Q/SXHX001-2021标准条款的要求, 被评为:

AAA级重服务守信用企业

证书编号: ZSTDY13CYFYS12095
颁证日期: 2023-09-01
有效期至: 2026-08-31
公示网站: 全国信用信息公示服务平台
<http://www.credit999.cn>
中国招标投标网
<https://credit.cecbid.org.cn/>

国家标准备案号: Q/ZSTD001-2021

重合同守信用企业
Enterprises Abiding By Contracts And Keeping Promises

获证单位
河北北钻石油钻采设备有限公司
河北省廊坊市三河市为州镇东关村

所建立的信用管理体系经审核,
符合Q/SXHX001-2021标准条款的要求, 被评为:

AAA级重合同守信用企业

证书编号: ZSTDY13CYFYS12096
颁证日期: 2023-09-01
有效期至: 2026-08-31
公示网站: 全国信用信息公示服务平台
<http://www.credit999.cn>
中国招标投标网
<https://credit.cecbid.org.cn/>

国家标准备案号: Q/ZSTD001-2021

BZ Certificate

信

重质量守信用企业
Quality Oriented And Trustworthy Enterprise

获证单位
河北北钻石油钻采设备有限公司
河北省廊坊市 三河市西段镇东新村

所建立的信用管理体系审核，
符合Q/SXHX001-2021标准适用条款的要求，被评为：

AAA级重质量守信用企业

证书编号: ZSTDYTSYFHS17006
颁证日期: 2023-09-01
有效期至: 2026-08-31
公示网站: 全国信用信息公示服务平台
<http://www.creditchina.gov.cn>
中国招标投标网
<http://credit.creditchina.org.cn/>

国家市场监督管理总局: Q/ZSTD001-2021 北京中诚信征信服务有限公司 全国信用信息公示服务平台

信

中国诚信经理人
China's Honest Manager

获证单位
河北北钻石油钻采设备有限公司
河北省廊坊市 三河市西段镇东新村

所建立的信用管理体系审核，
符合Q/SXHX001-2021标准适用条款的要求，被评为：

中国诚信经理人 王磊

证书编号: ZSTDYTSYFHS17004
颁证日期: 2023-09-01
有效期至: 2026-08-31
公示网站: 全国信用信息公示服务平台
<http://www.creditchina.gov.cn>
中国招标投标网
<http://credit.creditchina.org.cn/>

国家市场监督管理总局: Q/ZSTD001-2021 北京中诚信征信服务有限公司 全国信用信息公示服务平台

信

中国诚信企业家
China's Honest Entrepreneur

获证单位
河北北钻石油钻采设备有限公司
河北省廊坊市 三河市西段镇东新村

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证书编号: ZSTDYTSYFHS17003
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<http://www.creditchina.gov.cn>
中国招标投标网
<http://credit.creditchina.org.cn/>

国家市场监督管理总局: Q/ZSTD001-2021 北京中诚信征信服务有限公司 全国信用信息公示服务平台

证书号: 10012105号

实用新型专利证书

本实用新型名称: 一种高强度衬套装置

发明人: 赵明; 史春满

专利号: 21 2019 2 2012021.5

专利申请日: 2019年11月29日

专利权人: 河北北钻石油钻采设备有限公司

地址: 065000 河北省廊坊市三河市西段镇东新村

授权公告日: 2020年07月03日 授权公告号: CN 210910029 X

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专利法第六十九条规定的法律后果，专利权的转移、质押、无效、终止、恢复和专利权人的姓名或者名称、国籍、地址变更等事项记载在专利登记簿上。

局长 申长雨

2021年11月29日

证书号: 10012173号

外观设计专利证书

外观设计名称: 抽油杆

设计人: 赵明; 史春满

专利号: 21 2019 3 0014806.3

专利申请日: 2019年11月08日

专利权人: 河北北钻石油钻采设备有限公司

地址: 065000 河北省廊坊市三河市西段镇东新村

授权公告日: 2020年06月18日 授权公告号: CN 301701009 S

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局长 申长雨

2021年11月29日

证书号: 10003279号

实用新型专利证书

本实用新型名称: 一种侧装式自动调节力矩大小的小型泵

发明人: 赵明; 史春满

专利号: 21 2019 2 2012722.1

专利申请日: 2019年11月29日

专利权人: 河北北钻石油钻采设备有限公司

地址: 065000 河北省廊坊市三河市西段镇东新村

授权公告日: 2020年07月03日 授权公告号: CN 210910029 X

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专利法第六十九条规定的法律后果，专利权的转移、质押、无效、终止、恢复和专利权人的姓名或者名称、国籍、地址变更等事项记载在专利登记簿上。

局长 申长雨

2021年11月29日

证书号: 14430630号

实用新型专利证书

实用新型名称: 一种磁产磁钻并液抽油杆

发明人: 赵明; 史春满; 王磊

专利号: 21 2021 2 0128008.3

专利申请日: 2021年01月29日

专利权人: 河北北钻石油钻采设备有限公司

地址: 065000 河北省廊坊市三河市西段镇东新村

授权公告日: 2021年10月22日 授权公告号: CN 219144009 U

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专利法第六十九条规定的法律后果，专利权的转移、质押、无效、终止、恢复和专利权人的姓名或者名称、国籍、地址变更等事项记载在专利登记簿上。

局长 申长雨

2021年10月22日

证书号: 10000814号

实用新型专利证书

实用新型名称: 一种磁产磁钻并液抽油杆装置

发明人: 赵明; 史春满

专利号: 21 2019 2 2012724.0

专利申请日: 2019年11月29日

专利权人: 河北北钻石油钻采设备有限公司

地址: 065000 河北省廊坊市三河市西段镇东新村

授权公告日: 2020年07月03日 授权公告号: CN 210910029 U

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专利法第六十九条规定的法律后果，专利权的转移、质押、无效、终止、恢复和专利权人的姓名或者名称、国籍、地址变更等事项记载在专利登记簿上。

局长 申长雨

2021年11月29日

证书号: 10000877号

实用新型专利证书

实用新型名称: 一种磁产磁钻并液抽油杆

发明人: 赵明; 史春满; 王磊

专利号: 21 2021 2 0128009.3

专利申请日: 2021年07月16日

专利权人: 河北北钻石油钻采设备有限公司

地址: 065000 河北省廊坊市三河市西段镇东新村

授权公告日: 2021年12月31日 授权公告号: CN 219329448 U

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局长 申长雨

2021年12月31日

BZ Certificate

证书号第 12644157 号



实用新型专利证书

实用新型名称：一种新型网带密封结构

发明人：王磊、赵明、安春满

专利号：ZL 2021 2 1307306.3

专利申请日：2021 年 07 月 24 日

专利权人：河北北信石油钻采设备有限公司

地址：065209 河北省廊坊市三河市内网路装备制造村

授权公告日：2022 年 04 月 02 日 授权公告号：CN 21622329 U

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局长 申长雨

2022 年 04 月 02 日

第 1 页 (共 2 页)

证书号第 14052404 号



实用新型专利证书

实用新型名称：合面内漏地层化地埋装置

发明人：王磊、赵明、安春满

专利号：ZL 2021 2 3122337.2

专利申请日：2021 年 12 月 14 日

专利权人：河北北信石油钻采设备有限公司

地址：065209 河北省廊坊市三河市内网路装备制造村

授权公告日：2022 年 04 月 16 日 授权公告号：CN 216272884 U

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局长 申长雨

2022 年 04 月 16 日

第 1 页 (共 2 页)

证书号第 14224009 号



实用新型专利证书

实用新型名称：一种负压筛网收尘罩

发明人：赵明、安春满、王磊、李朝辉、张保伟

专利号：ZL 2021 2 2814306.8

专利申请日：2021 年 11 月 17 日

专利权人：河北北信石油钻采设备有限公司
河北大井科技（成都）有限公司

地址：065209 河北省廊坊市三河市内网路装备制造村

授权公告日：2022 年 04 月 08 日 授权公告号：CN 21622329 U

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局长 申长雨

2022 年 04 月 08 日

第 1 页 (共 2 页)

证书号第 14029722 号



实用新型专利证书

实用新型名称：数控切割机自动上料机构

发明人：王磊、赵明、安春满

专利号：ZL 2021 2 2063905.7

专利申请日：2021 年 11 月 30 日

专利权人：河北北信石油钻采设备有限公司

地址：065209 河北省廊坊市三河市内网路装备制造村

授权公告日：2022 年 04 月 08 日 授权公告号：CN 21622329 U

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局长 申长雨

2022 年 04 月 08 日

第 1 页 (共 2 页)

证书号第 42345523 号



实用新型专利证书

实用新型名称：负压输送机内衬密封结构

发明人：赵明、安春满

专利号：ZL 2020 2 1132060.3

专利申请日：2020 年 06 月 18 日

专利权人：河北北信石油钻采设备有限公司

地址：065209 河北省廊坊市三河市内网路装备制造村

授权公告日：2022 年 02 月 18 日 授权公告号：CN 21255044 U

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局长 申长雨

2022 年 02 月 18 日

第 1 页 (共 2 页)

证书号第 17170912 号



实用新型专利证书

实用新型名称：数控切割机自动出料装置

发明人：王磊、赵明、安春满

专利号：ZL 2022 2 094531.4

专利申请日：2022 年 01 月 18 日

专利权人：河北北信石油钻采设备有限公司

地址：065209 河北省廊坊市三河市内网路装备制造村

授权公告日：2022 年 08 月 16 日 授权公告号：CN 21716897 U

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局长 申长雨

2022 年 08 月 16 日

第 1 页 (共 2 页)

证书号第 17170076 号



实用新型专利证书

实用新型名称：负压输送机密封罩

发明人：王磊、赵明、安春满

专利号：ZL 2022 2 0945299.4

专利申请日：2022 年 01 月 19 日

专利权人：河北北信石油钻采设备有限公司

地址：065209 河北省廊坊市三河市内网路装备制造村

授权公告日：2022 年 08 月 16 日 授权公告号：CN 21716897 U

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专利法规定专利权转让的法律程序，专利权的转移、质押、无效、终止、恢复和专利权人的姓名或者名称、国籍、地址变更等事项记载在专利登记簿上。

局长 申长雨

2022 年 08 月 16 日

第 1 页 (共 2 页)

证书号第 14030767 号



实用新型专利证书

实用新型名称：负压输送机装置

发明人：王磊、赵明、安春满

专利号：ZL 2021 2 3123406.8

专利申请日：2021 年 12 月 14 日

专利权人：河北北信石油钻采设备有限公司

地址：065209 河北省廊坊市三河市内网路装备制造村

授权公告日：2022 年 04 月 19 日 授权公告号：CN 21622329 U

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局长 申长雨

2022 年 04 月 19 日

第 1 页 (共 2 页)

证书号第 14012515 号



实用新型专利证书

实用新型名称：负压输送机装置

发明人：王磊、赵明、安春满

专利号：ZL 2021 2 3124206.9

专利申请日：2021 年 12 月 14 日

专利权人：河北北信石油钻采设备有限公司

地址：065209 河北省廊坊市三河市内网路装备制造村

授权公告日：2022 年 05 月 03 日 授权公告号：CN 216427079 U

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局长 申长雨

2022 年 05 月 03 日

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◆ BZ Headquarter Base



Office



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Solids Control Equipment

◆ Shale Shaker



Shale shaker is the first class solids control equipment in drilling fluids processing system, also known as key solids control equipment in drilling mud system, shale shaker decides performance of the whole solids control system. BZ Solids Control can design double shakers and triplicate shakers on single skid according to clients' special requirements and also supply relevant connecting manifold, according to current industry situation.

Shale shaker is component of solids control equipment used in many industries, such as oil and gas drilling, coal bed methane(CBM), horizontal directional drilling (HDD), diamond drilling, water drilling, etc ..

BZS Shale Shaker Specification

Model	BZS752	BZS583	BZS584	BZS585/BZS585S	BZS586D
Vibration mode	Liner Motion/Double Track				
Capacity	60m ³ /h	120m ³ /h	140m ³ /h	165m ³ /h	140m ³ /h
Motor	2 × 0.8kW	2 × 2.2kW	2 × 2.2kW	2 × 2.2+1 × 1.3kW	2 × 2.2kW
Screen Qty(pcs)	2	3	4	5	6
Screen Size	750 × 900mm	585 × 1165mm	585 × 1165mm	585 × 1165mm	Up: 750 × 900mm Down: 585 × 1165mm
Adjustable G Force	≥7.5G(Adjustable)				
Vibration Amplitude	4.5~6.0mm	4.5~6.0mm	4.5~6.0mm	4.5~6.3mm	4.5~6.3mm
Deck Angle	0~+2°	-1° ~ +5°			
Noise	<85db				
EX Standard	ExdIIBt4/IECEX/A-TEX				
Weight	1041kg	1380kg	1915kg	2216kg	1630kg
L*W*H	1673 × 1579 × 1130mm	2490 × 1703 × 1415mm	3080 × 1922 × 1423mm	3670 × 1923 × 1433mm	3004 × 1978 × 1415mm
Remark	Above capacity amount is only for reference, will be various depending on API number and mud conditions.				

Features:

1. Max G force reaches to 7.5G, G force adjustable depending on drilling mud conditions;
2. Shale shaker bottom deck made from stainless steel for long service life;
3. Heat treatment on complete shale shaker deck for High G force operation;
4. Wedge type design for easy and quick shaker screen replacement;
5. Famous Brand Vibration Motors : IEC Ex, ATEX and UL Certified;
6. Electrical components: SIEMENS, Schneider Brand;
7. Wedge type screen and hook strip screen both available to suit client requirement.

◆ Vacuum Suction Shale Shaker



Vacuum suction shale shaker is the primary solids control equipment to reduce drilling waste and recycle drilling fluids.

The suction pan is installed under the last screen or mounted externally. And a suction hose is connected to vacuum unit. The compressed air from air compressor or the rig air supply is required to create suction on the last screen surface, pulling additional fluid off the cuttings. It can reduce the liquid on the cuttings by 30–50%.

In a result, vacuum suction shale shaker maximizes the volume of recovered and reused fluids and it provides dryer cuttings. Dryer cuttings mean less drilling waste and more recovery drilling fluids, saving money for operators on drilling fluids and waste management.

FBZS Vacuum Shale Shaker Specification

Model	BZS583	FBZS584
Vibration mode	Liner Motion	
Capacity	120m ³ /h	140m ³ /h
Motor	2 × 2.2kW	
Screen Qty(pcs)	3	4
Screen Size	585 × 1165mm	585 × 1165mm
Adjustable G Force	≥ 7.5G(Adjustable)	
Vibration Amplitude	4.5 ~ 6.0mm	
Deck Angle	-1° ~ +5°	
Supply Air Pressure	0.55KPa-0.69KPa (5.6-7.0kgf/cm ²)	
Air Capacity Required	7.9m ³ /min	
Recovery Efficiency	30%-50%	
EX Standard	ExdIIbt4/IECEX/A-TEX	
Weight	1420kg	1570kg
L*W*H	2410X1978X1415mm	3004 × 1978 × 1415mm
Remark	No electrical, air operated, adjustable suction time.	

Features:

1. Widely application for OBM, SBM, and WBM;
2. Both onshore and offshore application to reduce waste and recovery fluids;
3. Less foot print and easy installation without welding;
4. Finer shaker screen can be used to improve the solids control efficiency;
5. No electric power required, suitable for work in Hazardous area;
6. The suction and discharge time is adjustable according to different drilling conditions.

◆ Vacuum Degasser



Vacuum degasser is the 2nd purification equipment in whole drilling mud system. It serves to get rid of entrained gas in drilling fluid; Mainly to remove small bubbles that a liquid film has enveloped and entrapped.

BZCQ Vacuum Degasser Specification

Model	BZCQ240	BZCQ270	BZCQ300	BZCQ360
Tank Diameter	700mm	800mm	900mm	1000mm
Capacity	240m ³ /h	270m ³ /h	300m ³ /h	360m ³ /h
Vacuum Degree	-0.03 ~ -0.045MPa			
Drive Ratio	1.68			1.72
Handling Efficiency	≥95%			
Main Motor Power	15kW	22kW	30kW	37kW
Pump Motor Power	2.2kW	3kW	4kW	7.5kW
Rotation Speed	860RPM	870RPM	876RPM	880RPM
EX Standard	ExdIIBt4/IECEX/A-TEX			
Weight	1150kg	1450kg	1860kg	2500kg
L*W*H	1750 × 860 × 1500mm	2000 × 1000 × 1670mm	2250 × 1330 × 1650mm	2400 × 1500 × 1850mm

Features:

1. Self-suction requests no extra pump to feed it;
2. High efficiency up to 95%;
3. Great painting works inside for longer service life under corrosive condition;
4. Electrical components: ABB, Siemens, Schneider. Compact and small footprint.

◆ Desander



A desander is the second class cleaning for a whole solids control system, It sits on mud tank for separating drilling cuttings 45–75 micron by centrifugal force. The untreated mud will feed into desander cone at the horizontal inlet at pressure, the pressure and weight will help solids particles moving beside cone wall and drop down, fluids particles will be pressed on top and over flow away through pipelines. There can be a shaker to collect solids particles from desander nozzle or drop onto a hoper directly.

BZCS Desander Specification

Model	BZCS200-1S/2S	BZCS250-1S/2S	BZCS300-2S/3S
Capacity	60/120m ³ /h	120/240m ³ /h	240/280m ³ /h
Desander Size	8inch	10inch	12inch
Desander Qty(pcs)	1个/2个		
Working Pressure	0.25-0.4MPa		
Particle Size	45-75 μ m		
Shaker	BZS60		BZS752
EX standard	ExdIIBt4/IECEX/A-TEX		
L*W*H	1510X1160X2000mm	1510X1360X2250mm	1820X1660X1810mm

Features:

1. 100% Polyurethane(PU) Material for desander cones with longer using life;
2. Clamp type for easy maintenance;
3. Compact design with small footprint;
4. Flexible options for 1 or 2, or 3 for different capacities;
5. Different size of downstream shale shaker for option;
6. Flexible fast connection is available for user friendly assembly.

◆ Desilter



Desilter is the third class solids control equipment to treat the drilling fluids, to improve the performance of drilling mud, which can be combined with desander. The most common cone is 4" or 5" , mainly to separate the solids in 15 μ m-45 μ m out from the drilling fluids. Cones number can be determined according to desilter capacity.

BZCN Desilter Specification

Model	BZCN100-6N	BZCN100-8N	BZCN100-12N	BZCN100-16N
Capacity	90m ³ /h	120m ³ /h	240m ³ /h	360m ³ /h
Desilter Size	4inch			
Desilter Qty(pcs)	6	8	12	16
Working Pressure	0.25 ~ 0.4MPa			
Particle Size	15 μ m ~ 45 μ m			
Shaker	BZS60			BZS752
EX Standard	ExdIIBt4/IECEX/A-TEX			
L*W*H	1510X1360X1810mm	1510X1360X1810mm	1835X1430X2085mm	1835X1430X2085mm

Features:

1. 100% Polyurethane(PU) Material for desilter cones with longer using life;
2. Clamp type for easy maintenance;
3. Compact design with small footprint;
4. Flexible options for 1 or 2, or 3 for different capacities;
5. Different size of downstream shale shaker for option;
6. Flexible fast connection is available for user friendly assembly.

◆Mud Cleaner



Mud Cleaner is a combination of Desander, Desilter and Underflow shale shaker, Mud cleaner has the higher cleaning function compared with separated desander and desilter. Mud is feed to the inlet of clones to separate solids particles, and the underflow dropped to the shale shaker. Mud cleaner is the ideal device of the second class and the third class solid control to treat the drilling mud.

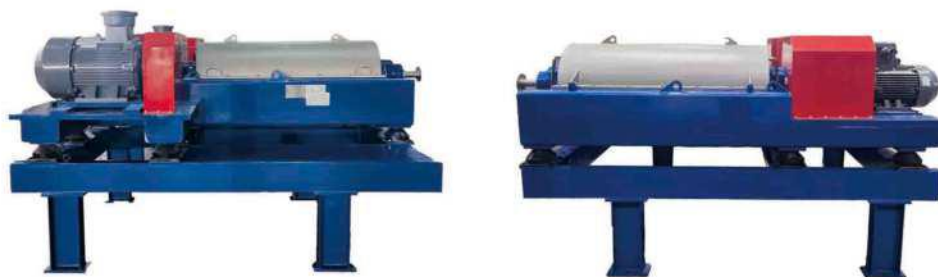
BZQJ Desander And Desilter Specification

Model	BZQJ583-1S8N	BZQJ583-2S12N	BZQJ583-3S16N	BZQJ584-2S12N	BZQJ584-3S16N
Capacity	120m ³ /h	240m ³ /h	360m ³ /h	280m ³ /h	390m ³ /h
Desander Size	10inch				
Desander Qty(pcs)	1	2	3	2	3
Desilter Size	4inch				
Desilter Qty(pcs)	8	12	16	12	16
Working Pressure	0.25~0.4MPa				
Particle Size	15 μ m ~ 75 μ m				
Shaker Model	BZS583			BZS584	
EX Standard	ExdIIBt4/IECEX/A-TEX				
Weight	2010kg	2285kg	2380kg	2485kg	2660kg
L*W*H	2410 × 1978 × 2147mm	2410 × 1978 × 2147mm	2410 × 1978 × 2147mm	3004 × 1978 × 2147mm	3004 × 1978 × 2147mm

Features:

1. Desander & Desilter & Shale Shaker 3 in one for compact footprint;
2. Polyurethane Material hydrocyclone for long life;
3. Removable hydrocyclone assembly for adjust to be a shale shaker;
4. Shaker bottom deck made from Stainless Steel for long service life;
5. Heat treatment on complete shaker deck for High G force operation;
6. Wedge type design for easy and fast screen replacement;
7. Famous Brand Vibration Motors : IEC Ex, ATEX and UL Certified.

◆ Decanter Centrifuge



Decanter centrifuge is the 4th class solids control equipment in whole drilling mud system; It is used to process drilling mud discharged from desilter cones or mud cleaner.

BZLW Decanter Centrifuge Specification

Model	BZLW250-1075	BZLW355-1250	BZLW450-1000	BZLW530-2279	BZLW650-2795
Tumbler Diameter	250mm	355mm	450mm	530mm	650mm
Tumbler Length	1075mm	1250mm	1000mm	2279mm	2795mm
Max Capacity	≤5m ³ /h	≤40m ³ /h	≤60m ³ /h	≤70m ³ /h	≤80m ³ /h
Max Rotation Speed	3800RPM	3200RPM	2200RPM	3500RPM	3200RPM
Separation Coefficient	2835	2435	1215	3635	3720
Particle Size	2~5 μm		5~7 μm	2~5 μm	
Main Motor Power	7.5kW	37kW	37kW	55kW	90kW
Helper Motor Power	3kW	11kW	7.5kW	15kW	22kW
EX Standard	ExdIIbt4/IECEX/A-TEX				
Weight	1000kg	2750kg	2800kg	5700kg	8000kg
L*W*H	2200x1010x720mm	2960x1550x1730mm	2750x1550x1750mm	4875x1260x1465mm	5595x1350x1548mm
Remark	Max capacity is for clean water, Fixed speed and frequency conversion centrifuges are available				

Features:

1. Bowl Cylindrical and the Conical section made of Duplex Stainless Steel 2205 by centrifugal casting. Other parts of the bowl assembly are made of stainless steel 316L;
2. Screw protection: Tungsten Carbide Tiles for longer life and easier replacement;
3. Screw flow distribution port and bowl solids discharge port protected by tungsten carbide alloy;
4. Easy to adjust liquid discharge weir height for flexible application;
5. Bowl assembly supported by the tighter belt for the protection of bearing in moving;
6. Pressurized EX Proof VFD control cabinet available;
7. Genuine SKF bearing for longer and reliable operation.

◆Mud Agitator



Mud Agitator is also called Mud Tank Agitator and widely used in the mud solids control system. It is installed in slurry storage tanks or mud tanks to prevent drilling fluid solid particles deposited in the mud tank.

BZJBQ Mud Agitator Specification

Model	Motor	Speed	Impeller	Impeller Qty(pcs)	Ratio	EX Standard	Weight	L*W*H
BZJBQ030D	3kw		650mm	1			150kg	715x560x470mm
BZJBQ055D	5.5kw		850mm	1			280kg	890x700x600mm
BZJBQ075D	7.5kw		950mm	1			285kg	980x750x605mm
BZJBQ075S			800mm	2			295kg	
BZJBQ110D	11kw	60/72RPM (50HZ/60HZ)	1050mm	1	25:1	ExdIIbt4/IECEX/A-TEX	400kg	1130x840x650mm
BZJBQ110S			850mm	2			420kg	
BZJBQ150D	15kw		1100mm	1			425kg	1160x840x650mm
BZJBQ150S			950mm	2			440kg	
BZJBQ185S	18.5kw		1050mm	2			750kg	1270x1000x730mm
BZJBQ220S	22kw		1100mm	2			820kg	

Features:

1. Structure: Small footprint and compact structure;
2. Reduction gearbox: Helical-bevel design or worm design according to customer requirement;
3. Motor: Explosion-proof electrical motor, and can be the style of horizontal or vertical;
4. Shaft and impeller: Galvanizing treatment brings the excellent anti-rust performance much better than the painting process;
5. High efficiency, low noise, low operating temperature.

◆Mud gun



Mud Gun is designed and manufactured for the different drilling mud solids control system. Mud guns are classified into three kinds: low pressure; medium pressure; high pressure, mainly to match with centrifugal pump, or mud pump, or the shear pump. It is used to clean the wall tube and to prevent mud sediment in the mud tank.

BZNJQ Mud Gun Specification

Model	BZNJQ-50G	BZNJQ-50X	BZNJQ-80G	BZNJQ-80X
Gun Diameter	50mm		80mm	
Connection Size	2inch		3inch	
Rotation Angle	0°	0-360°	0°	0-360°
Nozzle Qty(pcs)	3			
Working Pressure	1.0-6.4MPa			

Features:

1. High quality national standard steel;
2. Discharge nozzles can be polyurethane and tungsten carbide alloy material;
3. Flexible on configuration of size and pressure rates;
4. Simple design and easy to operate;
5. High quality painting job in line with international standard.

◆ Jet Mud Mixer



Jet mud mixer (Mud Mixing Hopper) is an equipment to match with drilling solids control equipments, regularly used to mix and adjust the proportion of drilling fluid, changing the density and viscosity. It has more excellent operations if being matched with a shear pump, and also can be designed as double jet mud mixer as clients' requirements.

BZSL Jet Mud Mixer Specification

Model	BZSL150-50	BZSL150-40	BZSL150-30	BZSL100-25
Capacity	240m ³ /h	180m ³ /h	120m ³ /h	60m ³ /h
Pump Model	BZSB8X6-13	BZSB6X5-13	BZSB5X4-13	BZSB4X3-12
Pump Power	55kW	45kW	37kW	11kW
Working Pressure	0.25 ~ 0.4MPa			
Inlet	DN150			DN100
Nozzle	50mm	40mm	30mm	25mm
Outlet	600 X600mm			
Mixing Speed	≤100kg/min	≤80kg/min	≤160kg/min	≤40kg/min
Mud Weight	≤2.8g/cm ³	≤2.4g/cm ³	≤2.0g/cm ³	≤2.0g/cm ³
Mud Viscosity	≤100s	≤80s	≤60s	≤40s
EX Standard	ExdIIBt4/IECEX/A-TEX			
L*W*H	2200 × 1700 × 1200mm	2200 × 1700 × 1200mm	2200 × 1650 × 1100mm	2200 × 1700 × 1200mm

Features:

1. High mixing capacity;
2. Complete “dust-free” mixing of material from surge tank and sack slitting machine;
3. Able to handle high back-pressure;
4. Economical, simple, robust, reliable and wear-resistant;
5. Venturi-type jet mixer.

◆ Centrifugal Pump



Centrifugal pump is used for transferring mud. It can be used as feeding pump for desander, desilter, or used as mixing pump for Jet Mud Mixer. Also it can be used as trip pump, and supercharging pump for rig mud pump. All BZ model centrifugal pumps use tungsten carbide mechanical seal, with famous brand bearings. Spare parts interchangeable with most of the international brand pump which helps customer to source spare parts easily. Open impeller design lowers axial thrust loads, to make it easier for installation, repair and maintenance.

BZSB Centrifugal Pump Specification

Model	Flow	Lift	Motor	Speed	Impeller
BZSB8X6-14	320m ³ /h	40m	75kW	1450RPM(50HZ)	14in
BZSB8X6-12	350m ³ /h	42m		1750RPM(60HZ)	12in
BZSB8X6-13	280m ³ /h	35m	55kW	1450RPM(50HZ)	13in
BZSB6X5-12	200m ³ /h	45m		1750RPM(60HZ)	12in
BZSB6X5-13	180m ³ /h	35m	45kW	1450RPM(50HZ)	13in
BZSB5X4-14	150m ³ /h	60m		1750RPM(60HZ)	14in
BZSB6X5-12	160m ³ /h	30m	37kW	1450RPM(50HZ)	12in
BZSB5X4-12	110m ³ /h	45m		1750RPM(60HZ)	12in
BZSB6X5-11	200m ³ /h	21m	30kW	1450RPM(50HZ)	11in
BZSB5X4-11	110m ³ /h	35m		1750RPM(60HZ)	11in
BZSB5X4-12	90m ³ /h	30m	22kW	1450RPM(50HZ)	12in
BZSB5X4-10	100m ³ /h	30m		1750RPM(60HZ)	10in
BZSB5X4-11	90m ³ /h	24m	18.5kW	1450RPM(50HZ)	11in
BZSB4X3-12	55m ³ /h	45m		1750RPM(60HZ)	12in
BZSB4X3-13	50m ³ /h	40m	15kW	1450RPM(50HZ)	13in
BZSB4X3-11	55m ³ /h	35m		1750RPM(60HZ)	11in
BZSB4X3-12	45m ³ /h	30m	11kW	1450RPM(50HZ)	12in
BZSB3X2-12	28m ³ /h	45m		1750RPM(60HZ)	12in
BZSB3X2-12	45m ³ /h	24m	7.5kW	1450RPM(50HZ)	12in
BZSB3X2-11	25m ³ /h	35m		1750RPM(60HZ)	11in
BZSB3X2-11	20m ³ /h	23m	5.5kW	1450RPM(50HZ)	11in

Features:

1. Durable mechanical seal made of tungsten carbide alloy;
2. FAG, SKF or other top brand bearings;
3. SOG oil seal;
4. Interchangeable with a famous pump;
5. Less maintenance cost;
6. Compact and small footprint.

◆ Shear Pump



Shear pump is used to effectively mix the hydrate material added into drilling fluid. with large capacity, high lift, and long reliable service life, the shear pump can speed up dilution and hydration of polymers to have high property mud.

BZJQB Shear Pump Specification

Model	BZJQB6X5-37	BZJQB6X5-55
Flow	100m ³ /h	155m ³ /h
Lift	28m	32m
Motor	37kW	55kW
Speed	1900RPM	2280RPM
EX Standard	ExdIIBt4/IECEX/A-TEX	
Weight	800kg	980kg
L*W*H	1050 × 1000 × 1260mm	1150 × 1100 × 1500mm

Features:

1. Unique impeller and shear plate design, shearing efficiency>95%. Stainless steel made shearing plate for a long service life;
2. Greatly improved bentonite particles hydration degree , reduces the bentonite need by 15%;
3. Mechanical seal technology for reliable operation and long service life;
4. The oil seal adopts imported fluorine gum oil seal with good cooling property, for reliable operation.

◆ Submersible Slurry Pump



Submersible Slurry Pump has vertical single stage and single suction system in overhung structure, adopting wear-resistant alloy material. No bearing and shaft seal between impeller and pump body, free-maintenance, durable for high temperature, it is the ideal equipment to provide impetus for the de-center centrifuge.

BZYZ Submersible Slurry Pump Specification

Model	Capacity	Lift	Motor	Speed	Outlet	EX Standard	Weight	L*W*H
BZYZ30-040	30m ³ /h	10m	4kW		DN50		370kg	2620x500x720mm
BZYZ40-055	40m ³ /h	10m	5.5kW		DN50		600kg	2700x500x700mm
BZYZ60-075	60m ³ /h	18m	7.5kW	1450RPM	DN80	ExdIIbt4/ IECEX/A-TEX	610kg	2650x500x700mm
BZYZ80-110	80m ³ /h	20m	11kW		DN80		715kg	2750x580x730mm
BZYZ110-185	110m ³ /h	24m	18.5kW	(50HZ) /	DN100		840kg	2900x600x900mm
BZYZ120-220	120m ³ /h	28m	22kW	1750RPM	DN100		880kg	2950x600x900mm
BZYZ165-300	165m ³ /h	26m	30kW	(60HZ)	DN100		1300kg	3100x750x900mm
BZYZ240-370	240m ³ /h	24m	37kW		DN150		1420kg	3160x700x1130mm
BZYZ270-450	270m ³ /h	30m	45kW		DN150		1510kg	3190x700x1130mm

Features:

1. No bearing and shaft seal between propeller and pump body, maintenance-free, high temperature resistant;
2. Cast alloy iron material, long service life;
3. Adopt famous brand explosion-proof motor and bearings.

◆ Screw Pump



Screw Pump with adjustable speed can be matched with decanter centrifuge. The rated pressure of pump outlet increased by the pump grade rising, and each grade rising brings the pressure increase 0.6 MPa.

BZG Screw Pump Specification

Model	Flow	Pressure	Motro	Speed	Inlet	Outlet	EX Standard	Weight	Weight
BZG10-040	10m ³ /h	0.3MPa	4kW	244RPM	DN80	DN80	ExdIIbT4/ IECEX/ A-TEX	245kg	2245x320x550mm
BZG20-055	20m ³ /h		5.5kW	210RPM	DN80	DN80		320kg	2450x340x562mm
BZG30-075	30m ³ /h	0.3MPa	7.5kW	258RPM	DN100	DN100	ExdIIbT4/ IECEX/ A-TEX	385kg	2761x370x600mm
BZG40-110	40m ³ /h		11kW	252RPM	DN100	DN100		450kg	3270x370x665mm
BZG50-110	50m ³ /h	0.3MPa	11kW	273RPM	DN125	DN125	ExdIIbT4/ IECEX/ A-TEX	608kg	3790x400x782mm
BZG60-150	60m ³ /h		15kW	225RPM	DN125	DN125		649kg	3320x550x740mm
BZG70-220	70m ³ /h	0.3MPa	22kW	230RPM	DN150	DN150	ExdIIbT4/ IECEX/ A-TEX	875kg	3740x420x785mm
BZG80-220	80m ³ /h		22kW	283RPM	DN150	DN150		875kg	3740x420x785mm
BZG100-300	100m ³ /h	0.3MPa	30kW	215RPM	DN150	DN150	910kg	3850x440x785mm	

Features:

1. A wide range of different type and viscosity liquid can be transported, including high viscosity and hard suspension of waste slurry;
2. Rotation speed can be adjusted, to meet different materials pumping demand;
3. High suction and discharge ability;
4. Even continuous flow, small vibration, low noise;
5. Long operational life with reliable performance.

◆Mud Gas Separator



Mud gas separator is a special equipment to handle the invaded gas of drilling fluid. Density and viscosity of drilling fluid will greatly be affected by invaded gas. In some dangerous situations, it may lead to accident of well kick or blowout. The combination of mud gas separator and flare ignition device can effectively handle the invaded gas. Mud gas separator is widely used in the global oil & gas drilling industry.

BZYQ Mud Gas Separator Specification

Model	BZYQ800	BZYQ1000	BZYQ1200
Capacity	200 ~ 260m ³ /h	240 ~ 300m ³ /h	280 ~ 360m ³ /h
Tank Diameter	800mm	1000mm	1200mm
Inlet	5inch		
Outlet	10inch		
Ventline	8inch		10inch
Weight	1650kg	2135kg	2750kg
L*W*H	1900 × 1900 × 5700mm	2000 × 2000 × 5860mm	2200 × 2200 × 6634mm

Features:

1. Efficiently separate and discharge enormous free gas in drilling fluids, including poisonous gas like H₂S;
2. Grinding, sand blasting and 3 layers of painting, high anti-rust performance;
3. High quality materials adopted, no wearing parts, low maintance;
4. Compact structure, less space needed, easy to transport.

◆ Flare Ignition Device



Mud gas separator is a special equipment to handle the invaded gas of drilling fluid. Density and viscosity of drilling fluid will greatly be influenced by invaded gas. In some dangerous situations, it may lead to the accident of well kick or blowout. The combination of mud gas separator and flare ignition device can effectively handle the invaded gas. Mud gas separator is widely used in the global oil & gas drilling industry.

BZYD Flare Ignition Device Specification

Model	BZYD-200	BZYD-200T
Main Body Diameter	DN200	
Charging Power	12V/220V	
Ignition Media	LPG/LNG	
Ignition Voltage	16kV	
Ignition Method	Alternating Current	Alternating Current and Solar Energy
Weight	520kg	590kg
L*W*H	1250x650x3200mm	

Features:

1. Stainless steel burner torch;
2. Mature design with successful job site performance;
3. Conventional battery or solar battery;
4. Custom built available.

◆ Shaker Screen

BZ solids control provides shaker screens for shale shaker, desander, desilter, including pyramid screen, flat screen, metal frame screen, corrugated screen and composite material screen. BZ can provide replacement screens for different shaker screen brand, customized screens are also available.

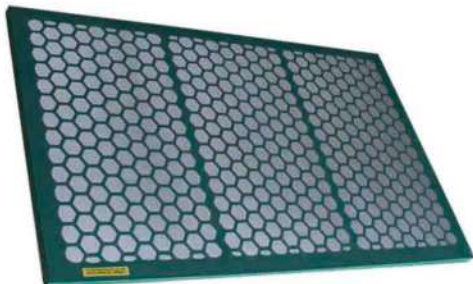
1. Corrugated replacement Shaker Screen for Derrick FLC500, FLC2000, D600, D-HYP.



2. Flat replacement Shaker Screen for Derrick FLC500, FLC2000, FLC313M, ALS.



3. Steel Frame replacement Shaker Screen for BZS752, BZS583, BZS584, BZS585, Mi-Swaco Mongoose, NOV Brandt Cobra, VSM300, FSI5000.



4. Composite frame replacement Shaker Screen for BZS752, BZS583, BZS584, BZS585, Mi-Swaco Mongoose, NOV Brandt Cobra, SMD3, D380.



BZSW Shaker Screen Specification

API Number	Cut Point (μm)
API 10	> 1850.0 TO 2180.0
API 20	> 780.0 TO 925.0
API 30	> 550.0 TO 655.0
API 35	> 462.0 TO 550.0
API 40	> 390.0 TO 462.0
API 50	> 275.0 TO 390.0
API 60	> 213.0 TO 275.0
API 70	> 196.0 TO 213.0
API 80	> 165.0 TO 196.0
API 100	> 137.5 TO 165.0
API 120	> 116.5 TO 137.5
API 140	> 98.0 TO 116.5
API 170	> 82.5 TO 98.0
API 200	> 69.0 TO 82.5
API 230	> 58.0 TO 69.0
API 270	> 49.0 TO 58.0
API 325	> 41.5 TO 49.0
API 400	> 35.0 TO 41.5

◆ Mud Tank

Mud tank is used to install solids equipment, stock mud and modulate mud.



Diesel Tank types includes: Trailer Diesel Tank, Cylinder Diesel Tank, Square Diesel Tank, Hay Diesel Tank.



Water tank is used to stock life water and industry water.



Waste Management Equipment

◆ Vertical Cutting Dryer



Vertical cutting dryer could be regarded as a vertical centrifuge, and widely used to treat drilling-cuttings in oil drilling field vertical cutting dryer is the core equipment of drilling cuttings management .It is used to reduce waste and increase fluid recovery.

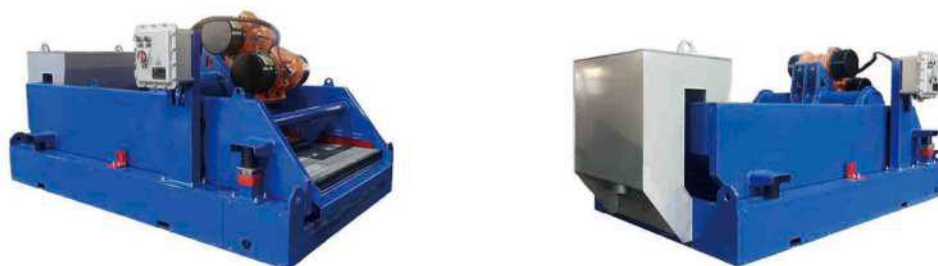
BZGZ Vertical Cuttings Dryer Specification

Model	BZGZ900	BZGZ900-BP
Capacity	30-50t/h	
Drying Capacity	OOC≤5%	
Max Screen Basket Diameter	930mm	
Screen Opening	0.25~0.5mm	
Rotation Speed	900RPM	0-900RPM
Separation Coefficient	420G	0-420G
Main Motor Power	55kW	
Oil Pump Power	0.55kW	
Flushing Pump Power	3kW	
EX Standard	ExdIIbt4/IECEX/A-TEX	
Electric Cabinet	Exd	Positive Pressurized
Weight	6000kg	
L*W*H	2645x1800x1880mm	

Features:

1. The rotating speed can reach 900RPM, which can form a separation factor of 420G and effectively separate the liquid in the drilling cuttings;
2. The scraper is made of cemented carbide material, with long service life;
3. Each replaceable component has passed the dynamic balance test, to keep the balance of the whole machine after replacing the component;
4. Independent oil cooling system, equipped with scientific oil tank cooling system, to meet the use requirements in high temperature environment;
5. The discharge port can be equipped with a screw conveyor, which is convenient for conveying dry cuttings and keep the equipment continuous operation;
6. There is an observation port on the conical top cover, which can check the wear of screen and spiral scraper at any time.

◆ High-G Drying Shaker



High-G Drying Shaker is used in processing cuttings. It is the first class solids control equipment in the drilling fluids recycling system, which plays an important role in the waste drilling mud treatment. A stable and durable High-G drying shaker, brings customer both economical and environmental benefits.

GBZS High G Drying Shaker Specification

Model	GBZS584	GBZS585/GBZS585S
Vibration mode	Liner Motion/Double Track	
Capacity	140m ³ /h	165m ³ /h
Motor	2 × 2.2kW/2 × 2.2+1×1.3kW	
Screen Qty(pcs)	4	5
Screen Size	585 × 1165mm	585 × 1165mm
Adjustable G Force	≥8.0G	
Vibration Amplitude	5.0 ~ 6.5mm	5.0 ~ 6.5mm
Deck Angle	-1° ~ +5°	
Noise	<85db	
EX Standard	ExdIIBt4/IECEX/A-TEX	
Weight	1530kg	1950kg
L*W*H	3080X1960X1424mm	3597X1978X1415mm
Remark	Above capacity amount is just for reference, will be different depending on mesh number and mud conditions.	

Features:

1. Max 8.0 and adjustable G force, drying drilling cuttings efficiently;
2. Heating treatment on complete shaker deck, durable and reliable in high G force working environment;
3. Thermal relay in electric control box has protection function of overload and phase lack;
4. Liner Motion vibrate mode, high vibration amplitude, separating solids and liquid efficiently;
5. Hopper feeding type, easy for screw conveyor feeding;
6. Famous Brand Vibration Motors : IEC Ex, ATEX and UL Certified;
7. Electrical components: SIEMENS, Schneider Brand.

◆ Vacuum solids convey pump



It is installed under the last screen or mounted externally. And a suction hose is connected to vacuum unit. The compressed air from air compressor or the rig air supply is required to create suction on the last screen surface, pulling additional fluid off the cuttings. It can reduce the liquid on the cuttings by 30%–50%.

BZVP Vacuum Pump Specification

Model	BZVP-40	BZVP-20
Max Capacity	40m ³ /h	20m ³ /h
Inlet/Outlet Size	4"	3"
Vacuum Degree	0.085MPa/0.87kgf/cm ²	
Max Suction Distance	50m	
Max Discharge Distance	1000m	500m
Max Solids Content	100%	
Max Solids Size	75mm	50mm
Pressure Request	0.55MPa–0.78MPa (5.6–8.0kgf/cm ²)	0.55MPa–0.69MPa (5.6–7.0kgf/cm ²)
Air Demand	17m ³ /min	7.9m ³ /min
L*W*H	1578 × 1440 × 2030mm	1200 × 800 × 1470mm
Weight	1200kg	480kg

Features:

1. Widely application for OBM, SBM, and WBM;
2. Both onshore and offshore application to reduce waste and recovery fluids;
3. To replace High G drying shale shaker without any extra consumption of shaker screens;
4. Less foot print and easy installation without welding;
5. Reduce waste by 30% to 50%;
6. Finer shaker screen can be used to improve the solids control efficiency;
7. Less cost for drilling cuttings transportation;
8. No electric power required, suitable for work in hazardous area;
9. The suction and discharge time is adjustable according to different drilling conditions.

◆ Screw Conveyor



Screw conveyor basically has three forms: horizontal, diagonal and combination. Screw conveyor can be used with other transportation equipment to complete the combined or separate transportation of mixing, blending, dehydration, compound, unloading and stacking, etc. Screw conveyor is mainly used for drilling waste fluid and cuttings transportation.

BZLS Screw Conveyor Specification

Model	Screw Diameter	Screw Length	Capacity	Speed	Motor Power
BZLS200-073	200mm	7.3m	15t/h	≤25°	4kW
BZLS200-110		11m	15t/h	≤25°	5.5kW
BZLS200-146		14.6m	15t/h	≤25°	7.5kW
BZLS250-073	250mm	7.3m	20t/h	≤25°	5.5kW
BZLS250-110		11m	20t/h	≤25°	7.5kW
BZLS250-146		14.6m	20t/h	≤25°	11kW
BZLS300-073	300mm	7.3m	30t/h	≤25°	5.5kW
BZLS300-110		11m	30t/h	≤25°	7.5kW
BZLS300-146		14.6m	30t/h	≤25°	11kW
BZLS350-073	350mm	7.3m	40t/h	≤25°	7.5kW
BZLS350-110		11m	40t/h	≤25°	11kW
BZLS350-146		14.6m	40t/h	≤25°	15kW
BZLS400-073	400mm	7.3m	50t/h	≤25°	11kW
BZLS400-110		11m	50t/h	≤25°	15kW
BZLS400-146		14.6m	50t/h	≤25°	18.5kW
BZLS450-073	450mm	7.3m	60t/h	≤25°	11kW
BZLS450-110		11m	60t/h	≤25°	15kW
BZLS450-146		14.6m	60t/h	≤25°	22kW

Features:

1. Compact structure, small cross section, light weight, good sealing performance, high transmission efficiency, flexible, easy to install and uninstall, convenient to move, safe in operation;
2. Suitable for transporting all kinds of soft material, such as powder, granular and small piece of material like clay powder, coal powder, cement, sand, grain, coal cinder, pebbles, cast iron, etc.

◆ Chemical Dosing Equipment



Chemical dosing equipment is mainly used for mixing of flocculation, coagulation or deemulsifier. It works together with dewatering centrifuge to separate the ultra-fine solids from the mud or-waste water, to get clean water for industry applications; or support the separation of wastesludge.

BZJY Chemical Dosing Equipment Specification

Model	Capacity	Hopper Volume	Mud Agitator	Tank Material	L*W*H	Weight
BZJY-1500	1500L/H	55L	3x0.75kW	SS304	2300 × 1100 × 2000mm	450kg
BZJY-2000	2000L/H	110L			2650 × 1250 × 2250mm	510kg
BZJY-2500	2500L/H	110L			3000 × 1250 × 2250mm	670kg

Application:

1. Flocculation for municipal or industrial waste water by Chemical Dosing;
2. Oil Sludge treatment;
3. Flocculation in sludge dewatering process;
4. Petroleum, chemical, metallurgical industry, environmental engineering, water treatment and other fields.

Application

◆ Oil Gas Drilling Solids Control

Solids control system mainly include shale shaker, vacuum degasser, desander, desilter, mud cleaner, decanter centrifuge, pump, mud agitator, mud gun, mud mixer, poor boy degasser, mud tank, etc.

The system will suit drilling depth from 2000m to 9000m, as well as the offshore drilling or jack-up platform drilling.

We provide clients optimal solution with budget.

BZJ Solids Control System Specification

Model	Capacity	Tank Qty(pcs)
ZJ15 Solids Control systme	≥60m ³	2-3
ZJ20 Solids Control systme	≥160m ³	2-3
ZJ30 Solids Control systme	≥160m ³	3-4
ZJ40 Solids Control systme	≥200m ³	4-5
ZJ50 Solids Control systme	≥280m ³	5-6
ZJ70 Solids Control systme	≥380m ³	6-8
ZJ90 Solids Control systme	≥500m ³	8-20

Remark: Provide ideal equipment layout for fine-separation systems based on customer' s performance requirements and spatial constraints



◆ Drilling Waste Management

All wells are drilled with generation of waste. Including drilling cuttings, waste water, waste drilling fluids, completion fluids, and filtration wastes and so on.

Drilling waste management system is also called zero-discharge system. Key equipment includes high-G shaker, cutting dryer, decanter centrifuge, screw pump and screw conveyor. They can be used to treat WBM, OBM and SBM.



Drilling cuttings after treatment are transferred for other use, recycled drilling fluid is pumping back to solids control system. BZ drilling waste management system has both environmental value and economic value.



◆ Oil Sludge Treatment

Oil sludge is a mixture consisting of oil, water and solids. The treatment on oil sludge would recover much oil and water for reuse.

Also it is an ideal solution for the solids disposal. More oil and water recovered, more energy and resource could be saved.

BZ oil sludge treatment system mainly include decanter centrifuge, oil water separators and thermal desorption unit.



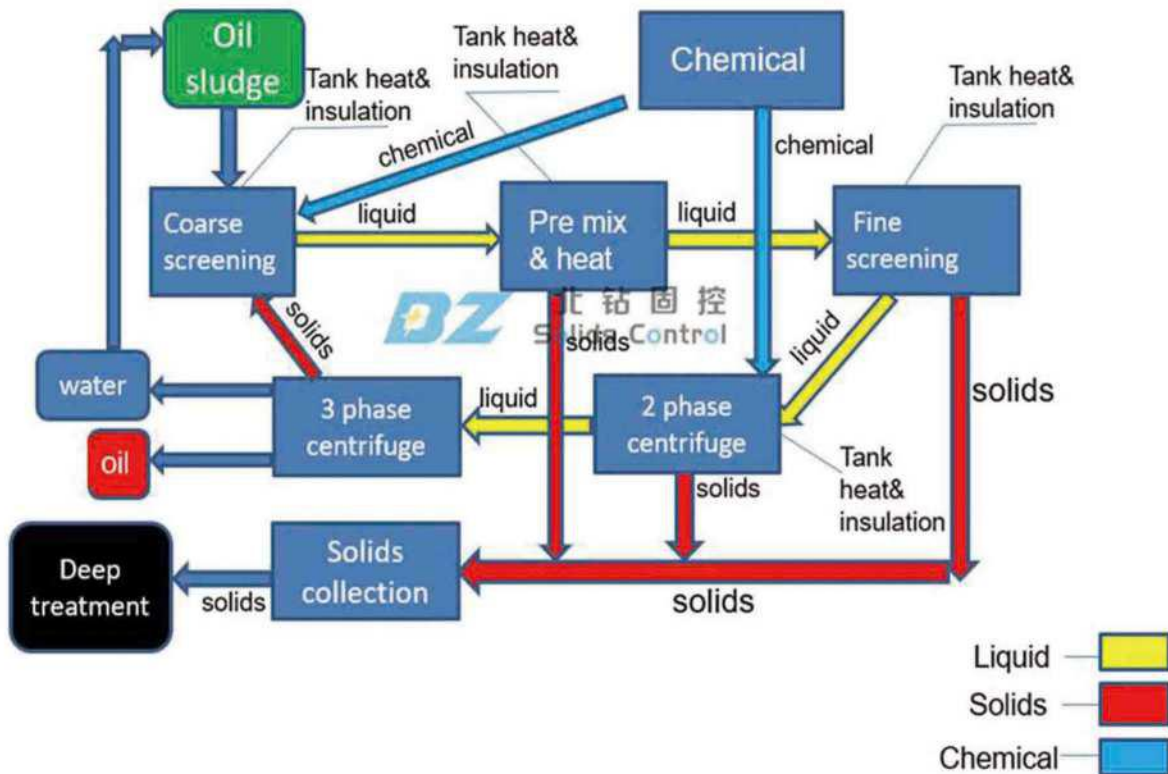
BZOTS Oily Sludge Treatment System Specification

Model	BZOTS-01	BZOTS-05	BZOTS-15
Capacity	1-2m ³ /h	5-10m ³ /h	15-20m ³ /h

Oil sludge origin:

1. Crude oil storage tank cleaning sludge;
2. Drilling site waste during gathering and transportation;
3. Refinery plantwaste oil sludge.

Oil sludge treatment system process flow



Features:

BZ oil sludge treatment system has the advantages of skid-mounted modularization, convenient transportation and easy installation, simple operation and maintenance, high resource recovery rate, continuous automatic operation, large output and low energy consumption.

Application:

Oil tank bottom sludge, oil sludge from refinery plant, drilling waste oil sludge.

Performance:

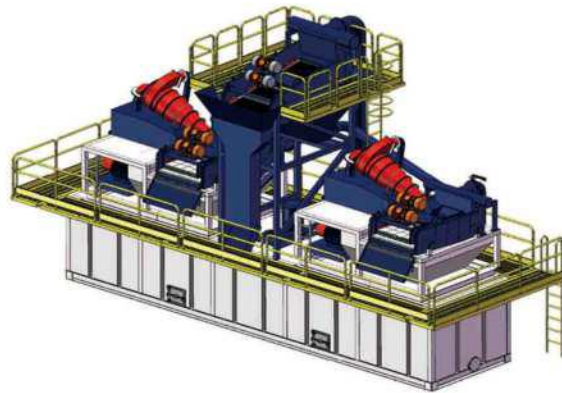
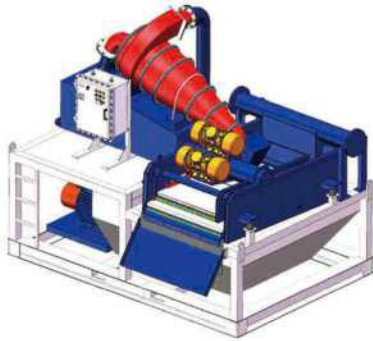
1. Oil content of solids (1%–3%);
2. Recovery oil (solids and water < 3%);
3. Recovery water (oil < 1000PPM), after microbubble treatment (oil < 100PPM).

◆ Trenchless/HDD Mud Recycling

BZ Solids Control is committed to research and development of trenchless mud recycling systems for HDD, TBM, pipe-jacking and piling. 150GPM-1500GPM customized system solutions are available.

BZMS Trenchless Mud Recovery System Specification

Model	BZMS-50	BZMS-120	BZMS-240
Capacity	≤50m ³ /h	≤120m ³ /h	≤240m ³ /h
Particle Size	15 μm	40 μm	40 μm



Models:

- BZMS-250G (250m³/h)
- BZMS-500G (500m³/h)
- BZMS-800G (800m³/h)
- BZMS-1200G (1200m³/h)
- BZMS-2000G (2000m³/h)



◆ Other Solids & Liquid Separation

BZ Solids Control provides customized solutions for different mud recycling fields.

Mining tailings mud-separation



Container type negative pressure cleaning and drying system



Refining sludge treatment system



Piling mud deaming system



Shield mud-water separation system



CBM mud recycling





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