

ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ
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Baoji Aerospace Power Pump Co., Ltd.

A Professional Pump Supplier for Oil Fields and Petrochemical Industry



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01

Company Introduction





Organization

**CHINA AEROSPACE SCIENCE AND
TECHNOLOGY CORPORATION
(CASC)**

**8 Large R&D and
Production Complexes**

Sixth Research Institute of CASC: China liquid rocket engine development center

SHAANXI AEROSPACE POWER HI-TECH CO., LTD(SAPH):
Affiliated to Sixth Research Institute. Listed in 2003. **Stock Code 600343.**

BAOJI AEROSPACE POWER PUMP CO., LTD(BAOJI PUMP):
Professional hydraulic pump supplier based on the superb aerospace fluid technology.



AEROSPACE POWER HI-TECH

SHAANXI AEROSPACE POWER HI-TECH CO., LTD is

founded in 1999, with 6 Subsidiaries, 2000+ staffs and the following tangible and intangible key assets:

- ❑ 200,000+ m² Manufacturing Areas
- ❑ 1000+ units of Advanced Manufacturing and Testing machines
- ❑ 10+ National and Provincial Level experts
- ❑ 1 National Master Technical Studio
- ❑ 4 Provincial Technology Centers
- ❑ 1 Innovation Research Center
- ❑ 279 National Patents



Set-up:

CASG **founded** SHAANXI AEROSPACE POWER HI-TECH CO., LTD.

Upgrade:

Listed on the SHANGHAI STOCK EXCHANGE, CHINA

Leap & Expansion:

SUBSIDIARIES ESTABLISHMENT through joint venture & acquisition

Innovation & Transformation:

Accelerate for Internationalization; awarded as **NATIONAL HI-TECH CORPORATE**; API CERTIFICATION

AEROSPACE POWER PUMP

BAO JI AEROSPACE POWER PUMP CO., LTD.

is a professional pump manufacturer, the State High-tech Enterprise, Shaanxi Technology Innovation Model Enterprise and the Provincial Technology Center. We were born in 1956 and affiliated to Shaanxi Aerospace Power Hi-tech Co.,Ltd (SAPH) in January 18th, 2004 with a registered sum RMB60, 000,000.We are major in research & development, production, sales, maintenance and operation services of industrial pumps, pump station systems and control systems, the development, processing and manufacturing of surface technology for machine parts, as well as the exported and imported pump business.



We are an ISO 9001:2018,ISO14001:2015 and OHSAS18001:2015 certified company. There are over 500 devices including 80 precise, large scale and rare ones. We guarantee qualified products by strict management, advanced working arts and precise processing equipment. We practice the system of director-general responsibility with a scientific and effective organization system. There are totally 295 staff including 26 R&D engineers.



Company History

1956 Yumin Steel Factory was nationalized and became a state-owned company.

1966 Baoji Pump Factory was set up by the combination of Yumin Steel Factory and Benxi Pump Factory.

1978 Start supplying centrifugal pumps to Chinese Military.

1990 The first ash water pump supplier in China.

2003 Start business with the overseas partner TFI(USA).

2004 Join in SAPH and named as Baoji Aerospace Power Pump Co.,Ltd.

2012-Now The key supplier of Changqing Oil field on water injection Pumps.

2014-Now The Key supplier of Daqing Oil Fields on injection pumps and polymer pumps.

2017-2018 Overseas department was set up and directly exported pumps to Canada.

2019 -2021 Exported mud pumps, fire pumps and injection pumps to Nigeria.

2021 Annual sale sum reaches RMB100,000,000.

2022 Annual sale sum reaches RMB150,000,000 and exported mud pumps to Rosneft.

2023 10 sets of injection pumps & 8 sets oil transfer pumps exported to Iraq. One dual pump units exported to Argentina.



02

Product Introduction



PUMPS FOR OIL FIELDS



Mud Pump

Used for the circulation system of drilling, work over, cementing and fraction with higher efficiency, lighter body and unique structure to act as a perfect machine.



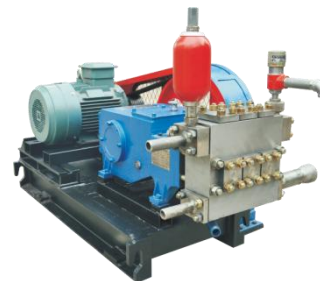
Oil Transfer Pump

Used for transferring crude oil or other related products between oil stations.



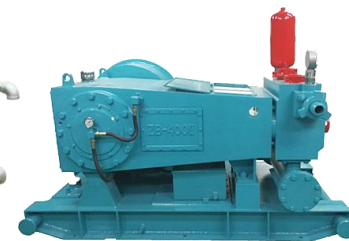
Water Injection Pump

Mainly for injecting clean or produced water, polymer, ternary agent or surface active agent at oil fields. It can also be used for delivering strong corrosive fluids such as acid, alkali, etc.



Polymer Pump

Used in the process of oil recovery to transfer polymer solutions, lye, inactivation agent, etc.



Fracture Pump

Used for oilfield well flushing or cement, paraffin, pipe blockage, pressure test and fracturing.

CENTRIFUGAL PUMPS FOR OIL REFINING



Calculating Pump

There are 60 types with different impeller diameters and rotation speeds for choices to meet the operation needs at different even special applications.



Pipeline Oil Transfer Pump

Mainly used for transporting mid and long distance semi-finished oil or refined oil.



Process Pump

Used in ethylene plant, petroleum, chemical, natural gas industrial processes where liquids or other similar liquids are transported at high temperature and high pressure condition. It can also work as turbines for energy recovery.

FIRE PUMPS



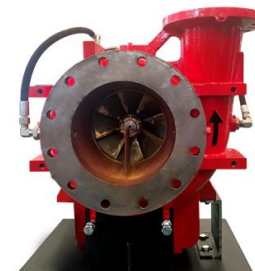
Diesel Engine Fire Pump

The series can be specially used for the emergency fire control, especially for wind supply and drainage at the unexpected cases there are no ignition or power supply.



Vehicle Fire Pump

There are three types: low pressure, medium pressure and high pressure with a gearbox, a piston primer pump and an automatic foam mixer.



New Series
Vehicle Fire Pump

It can be long-time used in various fire disasters with most of exported and homebred vehicle chassis configurations as a first choice of national VI cars.



03

Company Capabilities





◆ 公司自2014年被省科学技术厅认定为陕西省“高新技术企业”，之后连续三次首批通过高新技术企业复审及重新认定

◆ Since 2004 the company has been identified as the Office of Science and Technology in Shaanxi Province, "high-tech enterprises", followed by the first three times by the first high-tech enterprises review and re-identified

◆ 2012年公司被认定为陕西省企业技术中心

◆ In 2012 the company was identified as Shaanxi Province Enterprise Technology Center



ISO9001:2015



ISO14001:2015



ISO45001:2018





Enterprise Honor

BJB ranked as **Shaanxi Provincial Famous Brand**.

4 products ranked as **National Key New Product**

2 products listed in **National Torch Plan**

5 products listed in **Shaanxi Province Science & Technology Plan**

2 products listed in **Shaanxi Province Key Tech Innovation Project**

14 products listed in **Shaanxi Province New Product Development Project**

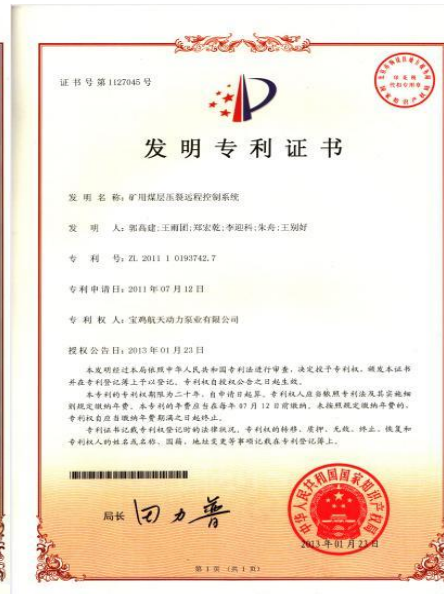
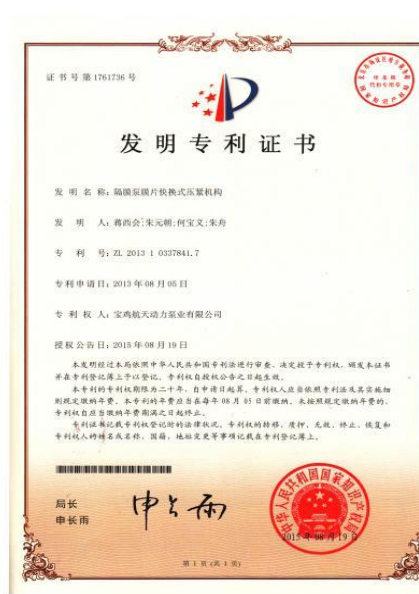
The coal mine fracturing pump unit and oil injection pump ranked as **Shaanxi Province Famous Products**

Advanced Collective and Accounting Basis Grated Qualified Company by CASC in 2011,2012, 2013 and 2015

Baoji innovation Pilot Enterprise in 2011

Provincial Enterprise of Technology Center Honored by the Industry and Information Technology Department of Shaanxi Province

◆ 33 patents



Production and Processing



Large-scale CNC machining workshop



Control room of pump test-bed



Workshop



Processing workshop



Pump water supply system



Pump test-bed

Production and Processing

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Production and Processing







Test and Test System for
10KVA High Pressure Mine
Pump



Carbon and sulfur analyzer



160KW examining and test system



04

Application Cases



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Large-scale Application of Polymer Pumps in Changing Oil Field of CNPC





Application of Large-flow Water Injection Pumps in Daqing Oil Field of CNPC



User Site in Shengli Oil Field of SINOPEC

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Electric Plunger Pumps in Zambia

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Application :

Injecting water into the well.

Site: Victoria Island, Lagos State, Nigeria

Max Flow: 40m³/h

Discharge pressure: 141kg/cm²

Feedback: Working smoothly since March, 1st, 2021

Fire Pumps for Nigeria

ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ

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Application:

Fire pumps at the oil field.

Site: Victoria Island, Lagos State, Nigeria

Max Flow: 400m³/h

Head: 85m

Feedback: Working smoothly since June 10th, 2021

Electric Double Drive Water Injection Pump Skid for Argentina



Application:

Injecting water into the well.

Site: Not clear(By mid-merchant)

Max Flow: 31.6gpm

Discharge pressure: 230bar

Strengths:

1. **Double pump units** work together.
2. **AI support**

Operators on duty can set audio remind or wireless uploading via AI.



Application :

Match the rig at the well.

Site: Rosneft, Russia

Max. Pump Rated Power: 800hp

Discharge pressure:141kg/cm²

Feedback: First ordered 28sets in 2010 and then ordered in October, 2021.



05

After Service





After Service

- ◆ As soon as the equipment are sent at the site, my company will send technical and service staff to arrive at the scene to have the special training on installation & debugging of the equipment and technical training.
- ◆ From the acceptance check date on, we offer one-year warranty period and guarantee that for the equipment breakdown, we respond within 4 hours. If necessary, our service staff will arrive at the site at the client's notice within 24 hours for domestic or a direct video guide for overseas site. The two sides will discuss the technical analysis and will repair or replace the components once there is any production problem. We will provide paid-technical-services- &-spare-parts supply after the warranty period.
- ◆ Once the machine goes into running, we will ask our agent or distributor to conduct a telephone tracking service for the end user to follow up the machine's operation state per 3 months.