



宝鸡石油机械有限责任公司

BAOJI OILFIELD MACHINERY CO., LTD

БВЮТИ ОИЛФИЕЛДО МВЧИНЕРИА ОО“ Р.Л.О

宝鸡石油机械有限公司

BOMCO

PRESENTATION

**DRILLING EQUIPMENT & DRILLING RIG PACKAGE
WORLDWIDE SUPPLIER**

Jan, 2018



CONTENTS

BOMCO
A CNPC Company

- Company Introduction
- Technology & Research
- Manufacturing Capability
- Main Products
- Marketing & services



COMPANY INTRODUCTION

BOMCO
A CNPC Company

- A subsidiary of CNPC and the largest oilfield equipment manufacturer in China.
- Founded in 1937, with a history of 80 years.
- Well-known as “the mother of China National Drilling Equipment Industry”





COMPANY INTRODUCTION

BOMCO
A CNPC Company

GENERAL VIEW OF BOMCO

- With total assets of 2 billion US dollar and total area of 2,500,000 Sq.m.
- With 8200 employees and 2300 sets of production machines.
- With 15API licenses covering 74 kinds of products, BOMCO is the company with most API Licenses in the world.





COMPANY INTRODUCTION

BOMCO
A CNPC Company

Organization

BOMCO

11 Functional
Departments

{ HR, Financial, Audit, Production, HSE, etc

1 Research
Academy

{ Onshore Equipment Institute
Offshore Equipment Institute
Materials & Processing Technology Institute

1 Sales
Department

{ Domestic Sales Department
International Sales Department

9 Manufacturing
Plants

{ Foundry, Forging, Mud Pumps, drawworks, etc

4 Joint Venture
Companies

{ Bomay Electric Industries Co., Ltd.
Beijing BOMCO Offshore Oil Engineering Technology Co
BOMCO Electric Equipment Co., Ltd
BOMCOBRAS Oilfield Equipment Co.

4 Subsidiaries

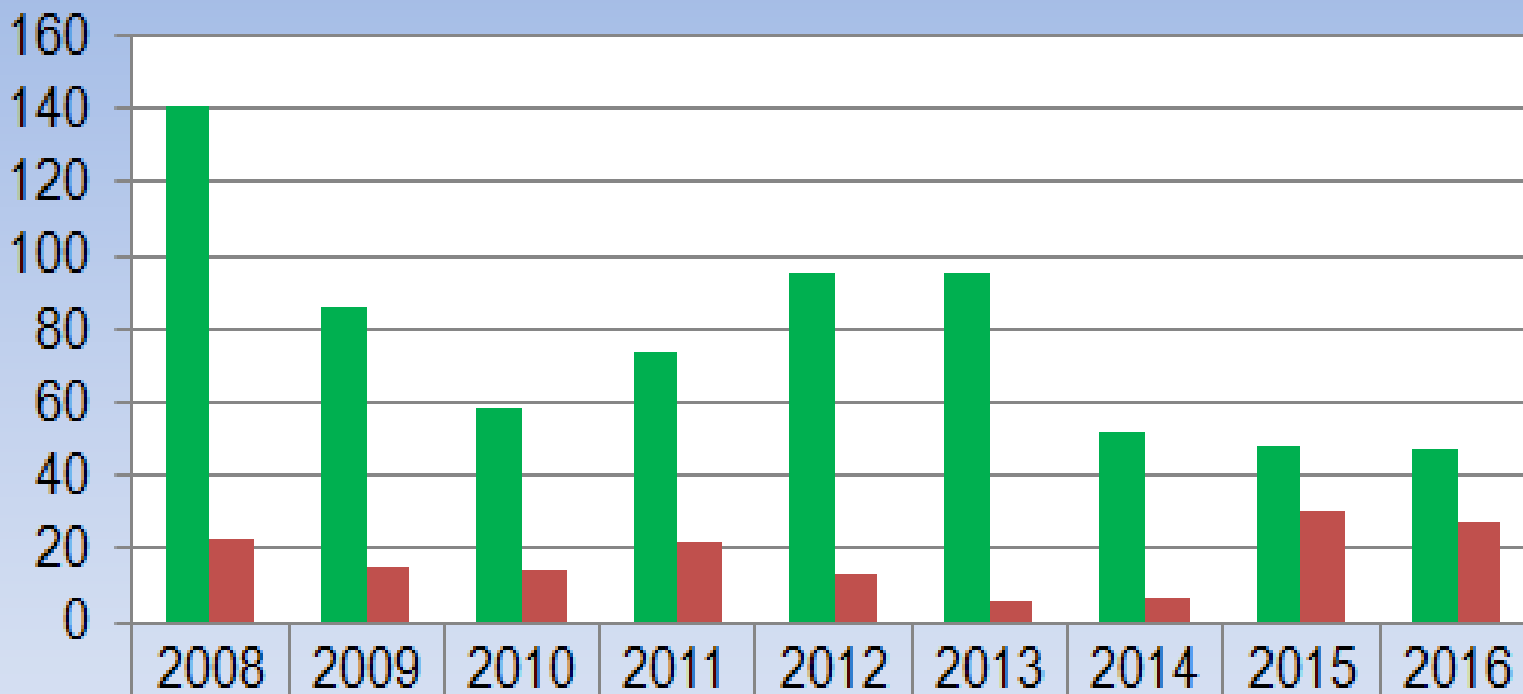
{ BOMCO-Xianyang Petroleum Steel Tube & Wire Rope Co.,
Ltd.
Baoji Bomco Special Vehicle Co., Ltd.
Offshore Oilfield Equipment Branch
BOMCO-Chengdu Equipment Manufacturing Company



COMPANY INTRODUCTION

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Annual Production of Rigs (sets)

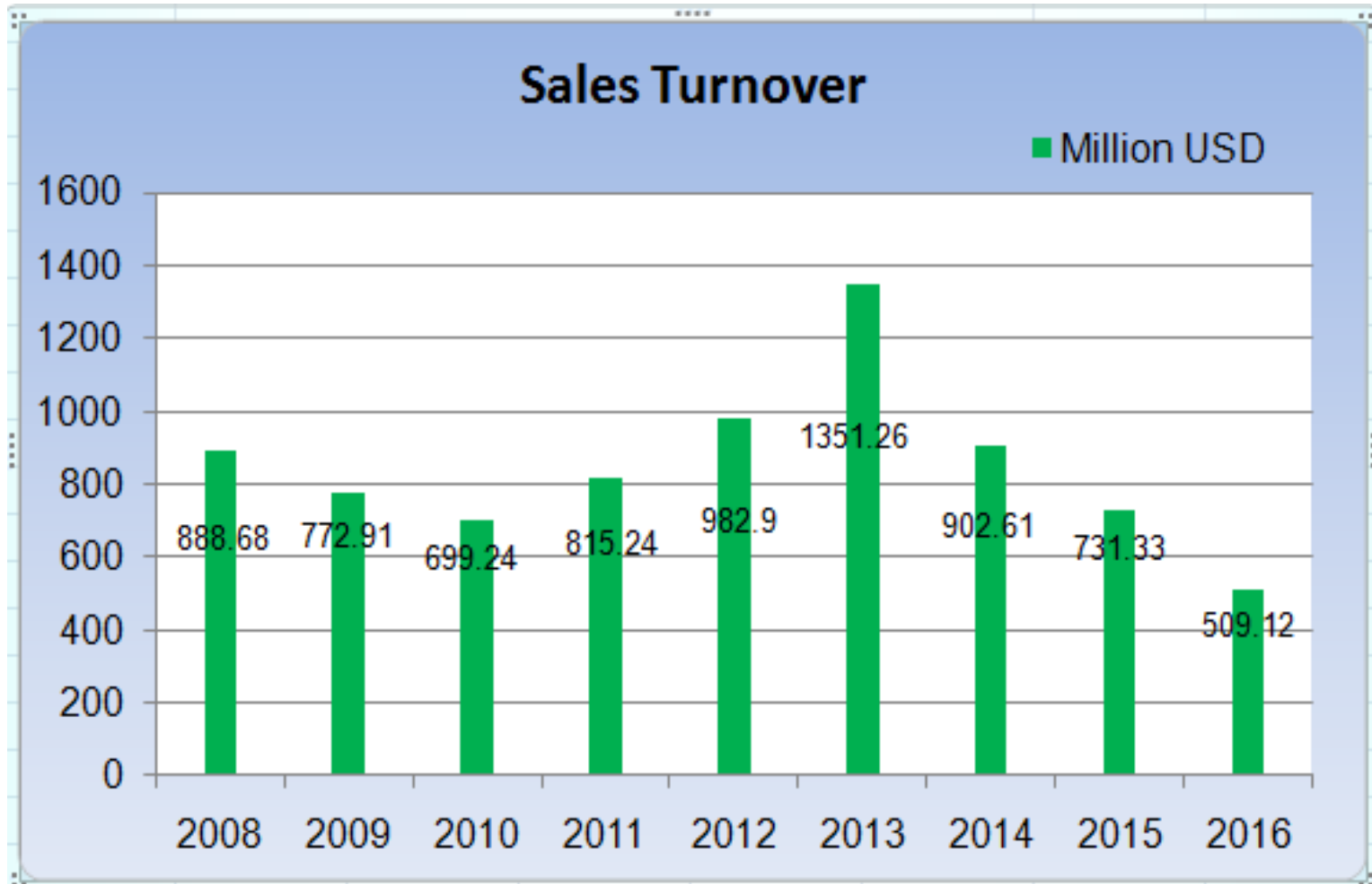


■ Output	141	86	59	74	95	95	52	48	47
■ Export	23	15	14	22	13	6	7	30	27



COMPANY INTRODUCTION

BOMCO
A CNPC Company





COMPANY INTRODUCTION

BOMCO
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**“BOMCO” Chinese trademarks and
“BOMCO” English trademark is
recognized as “China Famous
Trademark**



**“BOMCO” series drilling rigs
are recognized as “China
famous brand” products**



COMPANY INTRODUCTION

BOMCO
A CNPC Company

BOMCO Quality Certificates



DET NORSKE VERITAS
MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 0231-2001-AQ-RGC-RvA

This is to certify that

Baoji Oilfield Machinery Co., Ltd.

No. 2, Dongfeng Road, Baoji, Shaanxi, P.R. China

has been found to conform to the Management System Standard:

ISO 9001:2008

This Certificate is valid for the following product or service ranges:

Design and Manufacture of Drilling Rig Package and Accessories, Pumping Units, Hoisting Equipment and Tools, Well Control Systems, Derricks/Masts and Substructures, Thread Gages, Logging Equipment and Tools

Initial Certification date: October 19th, 2001
Place and date: Shanghai, September 30th, 2010

This Certificate is valid until: October 19th, 2013

The audit has been performed under the supervision of
Xia Xin Yang
Lead Auditor



for the Accredited Unit:
DNV CERTIFICATION B.V.,
THE NETHERLANDS

The audit has been performed under the supervision of
Chen Yi
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DET NORSKE VERITAS CERTIFICATION B.V. Zwolsweg 1, 2994 LB Barendrecht, The Netherlands, TEL: +31 10 2922 688 - www.dnv.com / www.dnv.nl

ISO9001



DET NORSKE VERITAS
MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 0188-2001-AE-RGC-RvA

This is to certify that

Baoji Oilfield Machinery Co., Ltd.

No. 2 Dongfeng Road, Baoji, Shanxi, P.R. China

has been found to conform to the Management System Standard:

ISO 14001:2004

This Certificate is valid for the following product or service ranges:

Design and Manufacture of Drilling Rig Package and Accessories, Pumping Units, Hoisting Equipment and Tools, Wellhead and Christmas Tree, Well Control Systems, Derricks/Masts and Substructures, Logging Equipment and Tools, Thread Gauges and Pressure Vessel

Initial Certification date: December 22nd, 2002
Place and date: Shanghai, December 21st, 2011

This Certificate is valid until: December 22nd, 2014

The audit has been performed under the supervision of
Cheng Bing
Lead Auditor



for the Accredited Unit:
DNV CERTIFICATION B.V.,
THE NETHERLANDS

The audit has been performed under the supervision of
Chen Yi
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DET NORSKE VERITAS CERTIFICATION B.V. Zwolsweg 1, 2994 LB Barendrecht, The Netherlands, TEL: +31 10 2922 688 - www.dnv.com / www.dnv.nl

ISO14001



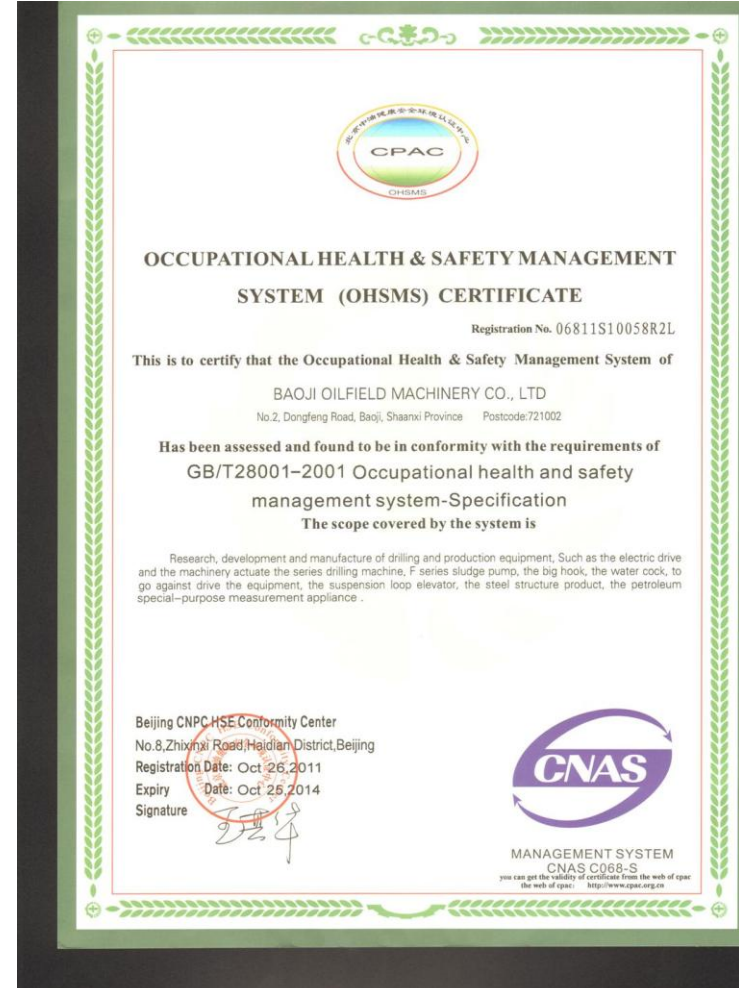
COMPANY INTRODUCTION

BOMCO
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BOMCO HSE Certificates



HSE Certificate



OHS18001 Certificate



COMPANY INTRODUCTION

BOMCO
A CNPC Company

API licenses





COMPANY INTRODUCTION

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API Licenses List –Total certificates

API Licenses List –Total 13 certificates

Item	API Specs	Licence No.	Authorized Products
1	Q1	2087	Design and Manufacture of Drilling and Well Servicing Equipment, Pumping Units, Hoisting Equipment, Derricks/Masts, Substructures and Thread Gages
2	4F	0011	Derricks, Masts, Crown block assemblies, Substructure
3	5B	0021	Thread gages
4	7-1	0141	Kelly cocks, Tool joints, Drill stem subs, joint gages
5	7-2	0141	Drill stem subs thread gages
6	7K	0009	Rotary tables, kelly bushings, bloom bushing, slips, rotary hose, slush pump components, drawworks componnets, shuck, safety slip, power tongs
7	8C	0085	Hoisting sheaves, traveling blocks, block-to-hook adapters, connectors and link adapters, drilling hooks, tubing and sucker rod hooks, elevators, casing, tubing, and drill pipe elevators, spiders, sucker rod elevators, deadline tie-downs , tension members.
8	11E	0023	Pumping unit structure, pumping unit gear reducer
9	6A	0229	Flanged connections, thread connection, ring joint gaskets, valve, casing and tubing heads, casing and tubing hangers, tubing head adapters, tees and crosses, etc.
10	16A	0127	Annular blow out preventers, ram blow out preventers, drilling spools and adapters.
11	16C	0053	Choke & killing manifold and drilling choke valve controller
12	9A	0038	Bright and drawn-galvanized wire rope, mooring wire rope, well-measuring wire
13	11AX	0055	Pumps, pump parts



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- **Technology & Research**
- **Manufacturing Capability**
- **Main Products**
- **Marketing & services**



Technology & Research

BOMCO
A CNPC Company

276 Senior Engineers
800 Engineers



BOMCO Research Academy

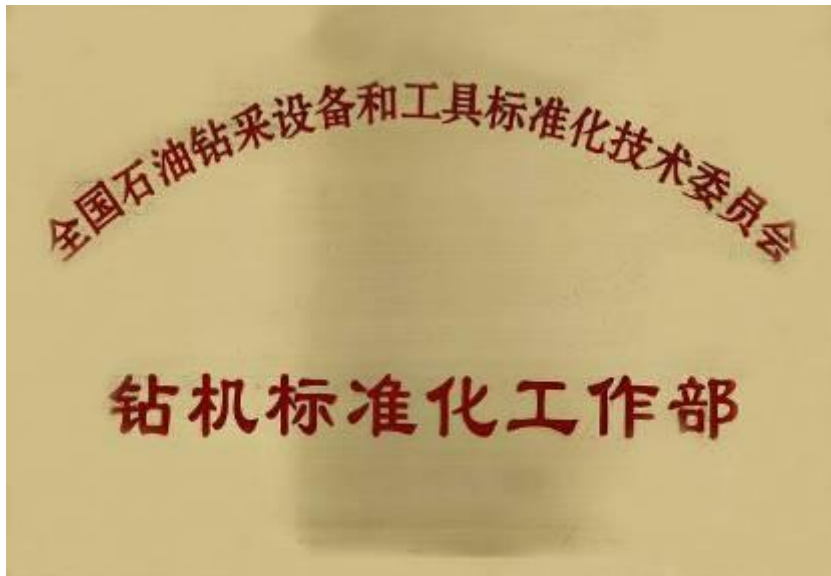
**National Engineering
Technology Research Center Of
Oil And Gas Drilling Equipments**



Technology & Research

BOMCO
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**BOMCO R & D center is awarded as
National Drilling Rig Standardization Department &
National Offshore Drilling Equipments Standardization
Department.**





Technology & Research

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In 2011, the Chinese Government authorized BOMCO to establish the National Oil & Gas Drilling Equipment Engineering and Technology Research Center. Up to now, the whole construction is completed and put into operation.

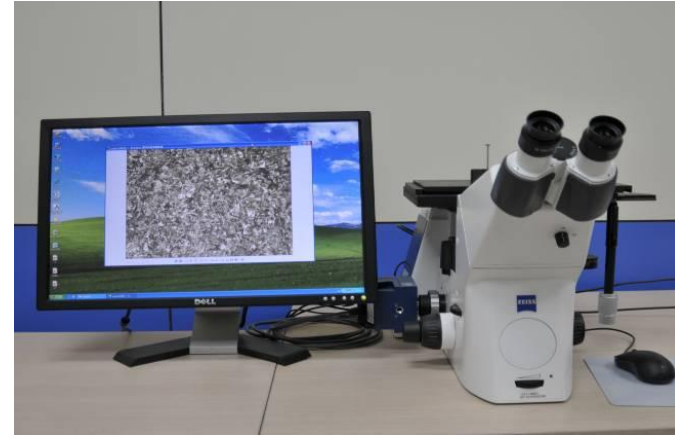




COMPANY INTRODUCTION

BOMCO
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FACILITIES AND TECHNOLOGIES



Metal Physical and Chemical Laboratory



Technology & Research

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- **Assembling**
- **Commissioning**
- **Testing**



1000T Hydraulic Cylinder



800T Hydraulic Cylinder





Technology & Research

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Test device for HP manifold: max. pressure up to 10000 Psi.



Test-bed for F-series pumps: from 500HP to 2200HP, W.P 7500 Psi.

High pressure test cabin for BOP: Max. testing pressure 22000 Psi, by TV watching.





Technology & Research

BOMCO
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2000T Hydraulic Tension Device



**Test bench for
transmission**





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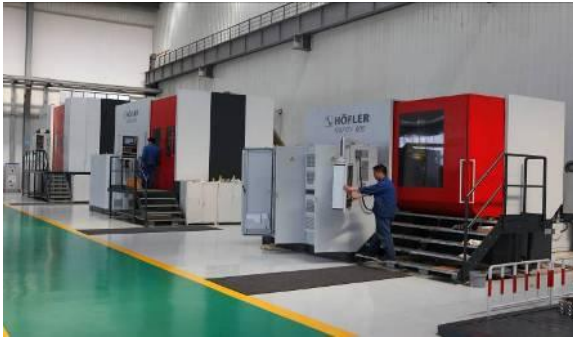


Manufacturing Capability

BOMCO
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● Precision machining :

Equipped with the world's most advanced German NC gear grinding machine (3 sets), USA thread grinding processing equipment (2 sets), 3 sets inspection equipments.



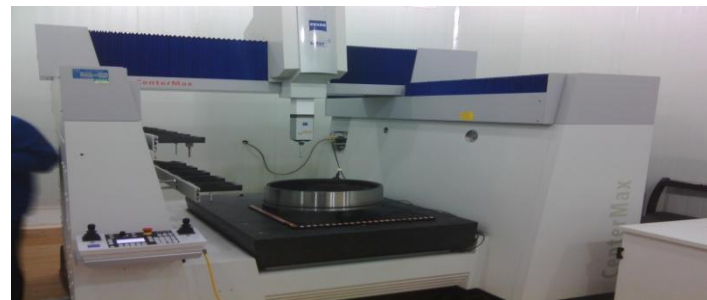
German HOFLER



3000/650 thread detector



NC thread grinder



**German Zeiss
three
coordinates
detector**



Manufacturing Capability

BOMCO
A CNPC Company

● Pump equipment:

Equipped with world famous and advanced machining equipments, pump test bench, high pressure test bench, spray coating, with production capacity of annual output all kinds of 800 sets drilling pumps and pump units.





Manufacturing Capability

BOMCO
A CNPC Company

● Foundry equipment:

Equipped with more than 900 sets of advanced equipments, can produce 20,000T steel casting and 40,000T steel ingot.





Manufacturing Capability

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● Forging equipment:

Equipped with the most advanced and highest degree of automatic machine, Annual output reaches to 3000T forging, 1800 pairs elevator links, Max. weight is 40T.



5000T hammer forging hydraulic machine



1600T fast forging press



NC ring rolling machine



Ele-hydraulic hammer



Manufacturing Capability

BOMCO
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● **Heat treatment equipment:** has international advanced furnace line, bears normal heat treatment, glow ionic nitriding, carburization, carbonitriding and induction hardening, etc. Annual heat treating capacity can reach to 45,000T.





Manufacturing Capability

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Rig assembly and Commissioning:

The new rig assembly yard can harbor 12 set of drilling rig for assembly and commissioning in one time.





Manufacturing Capability

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Annual output value:

- ✓ 100 sets various kinds of complete drilling rig;
- ✓ 3 sets drilling platform assembly and integration (EPC);
- ✓ 800 sets pumps;
- ✓ 8000pcs bits;
- ✓ Over 60000T steel tube & wire rope;
- ✓ 125 sets electrical control equipments;
- ✓ 220 units special vehicles.



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MAIN PRODUCTS

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- 1. Drilling Rigs series:300HP-6000HP (1000m~12000m in drilling depth)
Various series rigs, VFD Drive, SCR Drive, Mechanical Drive, etc.**



MAIN PRODUCTS

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**1500-2000HP
Desert Fast moving Rig**



**55T-350T Hydraulic
Drilling Rig**



**750-2000hp
Trailer mounted rig**



MAIN PRODUCTS

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Slant Rig



Island Rig



Work-over rig



MAIN PRODUCTS

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2. DERRICK AND MAST

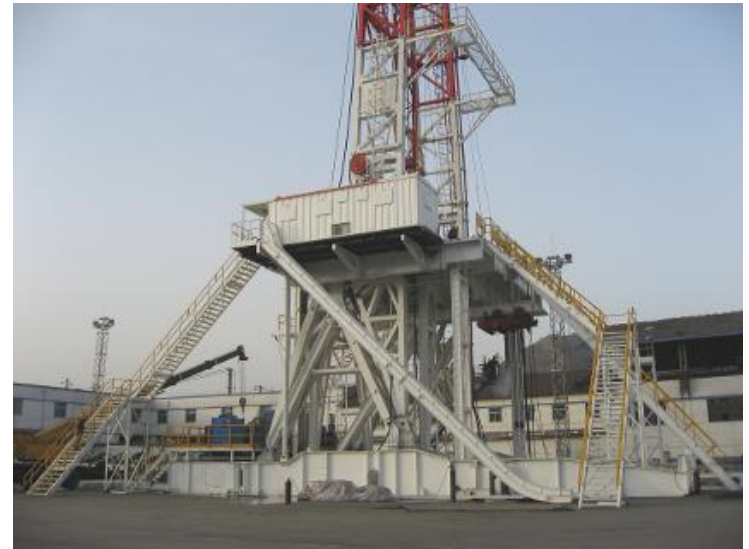
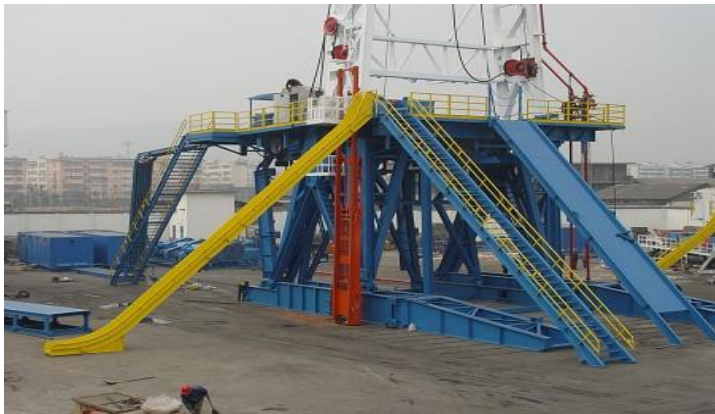




MAIN PRODUCTS

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3. SUBSTRUCTURE





MAIN PRODUCTS

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4. DRAWWORKS & Rotary Table



MAIN PRODUCTS

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5. HP MUD PUMPS & Spare Parts





MAIN PRODUCTS

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6. HOISTING EQUIPMENT



Hook 250T-900T



Crown Block 90T-900T



TB 90T-900T



Swivel 250T-750T



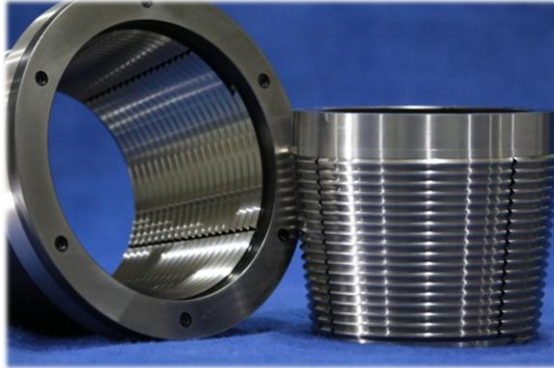
Top Drive



MAIN PRODUCTS

BOMCO
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7. Drilling Tools



Thread gauge

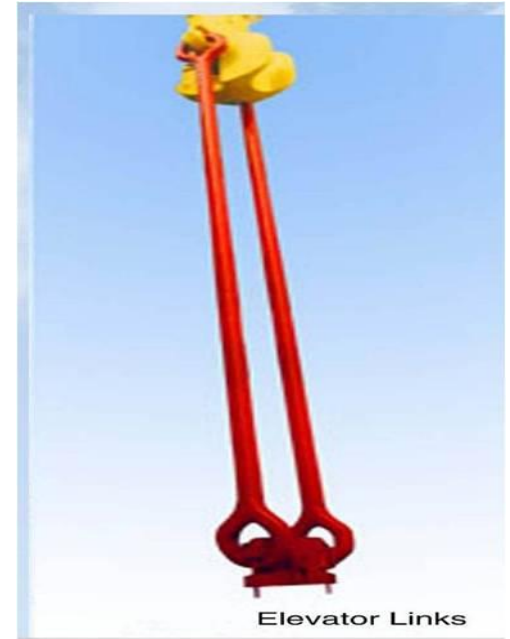


Elevators



Perforating Gun

**Testing tools &
down hole tools**



Elevator Links

Elevator Links 50T-900T



Ceramic Cylinder liner





MAIN PRODUCTS

BOMCO
A CNPC Company

8. Special Vehicles



Logging Truck



Cementing Truck



Acid Fracturing Truck



Oil Extraction Truck



MAIN PRODUCTS

BOMCO
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9.WIRE ROPE & Drilling Line



Subsurface Pump

Main Client:

**Saudi Aramco, Nabors,
NDC, SLB,KDC, Rosneft,
Gazprom, etc**

**Wire line/rope for Oilfield service(drilling line ,work over line, offshore platform,
port machinery, port crane, construction machinery, marine engineering)**



MAIN PRODUCTS

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10. Drill Bits



PDC Bit



Construction Bit



Roller Cone Bit



MAIN PRODUCTS

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11. BOP, Wellhead Equipment and Christmas Tree





MAIN PRODUCTS

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12. Fracturing Units



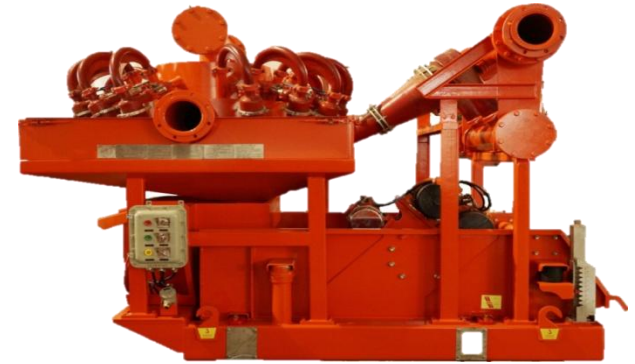
Fracturing Trucks
Blender
Instrumentation Trucks



MAIN PRODUCTS

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13. Solid control system & Shale shakers



Shale shakers
Desander & Desilter
Centrifuge
Solid Mud purification



MAIN PRODUCTS

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14. Drilling Automation system





MAIN PRODUCTS

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15. Electric control System



**Electric Drive System
(VFD/MCC house)**

Driller's Cabin

**Low-voltage
switch gear/Transformer**

**ALL THE PRODUCTS MENTIONED ABOVE HAS BEEN LISTED
IN CNPC 1-CLASS PRODUCTS**



MAIN PRODUCTS

BOMCO
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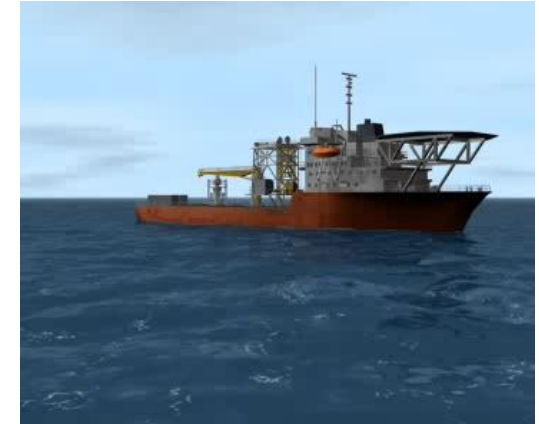
OFFSHORE DRILLING RIG MODULES



**Submersible
drilling platform**



**Jack-up
drilling platform**



**Deep water
investigation ship**



**Artificial island
skidding modular rig**



惠州 19-3

**Fixed/Jacket
drilling platform**



**Semi-submersible
drilling platform**



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- **Marketing & services**



Marketing & Services

BOMCO
A CNPC Company

Completed After-sales Service System



BOMCO provided drilling equipments to all the Chinese Oilfield and drilling contractors, almost 70% drilling rigs under operation in China were manufactured by BOMCO. BOMCO has set up services station in all these oilfield for close service.



Marketing & Services

BOMCO
A CNPC Company

Completed After-sales Service System



BOMCO rigs also spread around all the corner of the world and more than 500 rigs operation worldwide.



Marketing & Services

BOMCO
A CNPC Company

Overseas Sales Record of BOMCO Rigs (Since 2001)

BOMCO produced 951 rigs from 1998 and 532 of them under operation worldwide.

Item	Rig Model	Qty.	Main Customer
1	3000HP Rig	6	US, Venezuela
2	2500HP Rig	1	Pakistan
3	2000HP Rig	115	US, Oman, Venezuela, Russia, Iran, Cuba, Turkmenistan, Burma, Egypt, Libya, Congo, Syria, UAE, Kenya
4	1500HP Rig	50	US, Venezuela, Kazakhstan, Uzbekistan, Algeria, UAE
5	1000HP Rig	32	Ukraine, Venezuela, Russia
6	750HP Rig	3	Venezuela, Brazil
	Total:	207	



Marketing & Services

BOMCO
A CNPC Company

4-LEVEL SERVICE SYSTEM

- ◆ Training(Workshop + On-site)
- ◆ Warranty Support & Daily Maintenance
- ◆ Inspection
- ◆ Repair /Overhaul /Upgrade/Remanufacturing





Marketing & Services

BOMCO
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BOMCO In Middle east

BOMCO In Middle East			
	Description	Quantity	Remarks
1	Rig under operation	200+	Kuwait: 36
			Saudi Arabic:51
			Iraq: 21
			UAE: 43
			Iran:20
			Oman:4
			Yemen:2
			Egypt:8
2	Jack-up	2 set	Iran, Persia Gulf
3	Resources	BOMCO Abu Dhabi Branch	<ul style="list-style-type: none"> ● Located in Abu Dhabi, with 8 people for management and a group of 80 people for services; ● 2 spare parts warehouse
		BOMCO Bahrain office	with 2 people and 1 warehouse
		BOMCO in Kuwait	Workshop/facilities/service station



Marketing & Services

BOMCO
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BOMCO In Abu Dhabi

- ◆ **Spare parts & Fast moving parts:** 2 warehouses, one of which is located in Mussafa and the other one in the rig camp for daily service.
- ◆ **Technicians:** 10 technicians, 2 shifts stay in NDC base camp for daily service.
- ◆ **Local Facilities:** utilize the workshops and facilities of our sponsor for repair, MM and upgrade.





Marketing & Services

BOMCO
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BOMCO In Kuwait

- ◆ **Spare parts & Fast moving parts:** keep parts in stock in partner's warehouse.
- ◆ **Technicians:** mobilize from UAE
- ◆ **Local Facilities:** utilize the workshops and facilities of our partner for repair, MM and upgrade.





Marketing & Services

BOMCO
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BOMCO In Oman—what we can do for Abraj

- ◆ **Drilling equipment supply/rental**
- ◆ **Spare parts & Fast moving parts in stock**
- ◆ **Technicians for daily support**
- ◆ **Local Facilities for Repair /Overhaul /Upgrade& recertification**
- ◆ **localization**





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THANK YOU!

www.bomco.cn

