



**KAZANCOMPRESSORMASH**

## INTEGRATED COMPRESSOR SOLUTIONS FOR OIL & GAS





## ABOUT KAZANCOMPRESSORMASH

**Kazancompressormash** (a member of HMS Group, Russia) offers electric motor driven centrifugal compressors, gas compression systems, and complete compressor stations in compliance with international standards.

The manufacturing facilities are located in Kazan (Russia). Highly qualified and experienced staff utilizes the latest technologies to produce a wide range of customized compressor equipment.

## INDUSTRY EXPERTISE

- Over 65 years of compressor manufacturing experience
- A wide range of compressors for any industrial gases including corrosive, explosive and toxic
- 420,000 m<sup>2</sup> of total manufacturing area
- Contemporary manufacturing equipment including machine tools and CNC machining centers
- Own foundry and welding shops equipped with induction furnaces of 3,000 tons annual production capacity
- Europe's largest in-house testing facilities of 35 stands for 100% control of completely assembled compressor systems
- International experience in equipment supply, commissioning and after sales servicing in Europe, Tajikistan, Uzbekistan, Turkmenistan, Iraq, China, India
- Industrial cooperation with the world leading manufacturers of the compressor equipment and its components in order to provide the most efficient packaging solutions for compressor stations

## APPLICATION

- Natural gas pipeline transmission
- Associated petroleum gas treatment, transmission and processing
- Gas injection into formation
- Underground gas storage injection/withdrawal
- Gas-lift enhanced oil recovery
- Associated petroleum gas utilisation
- Flare gas utilisation

## TECHNICAL DATA

- Max capacity: up to 1,400 m<sup>3</sup>/min (3,000 million Nm<sup>3</sup>/year)
- Max pressure: up to 450 bar
- Max drive power: up to 32 MW

## SYSTEM SOLUTIONS ADVANTAGES

- Engineering, manufacturing, procurement in accordance with specific customer requirements
- Equipment supply in containerized skids and quickly erectable modular structure solutions
- Every unit is pre-assembled & tested at the factory to reduce on-site installation expenses
- Complex procurement of the process and auxiliary equipment for compressor stations
- Single supplier responsibility at all project stages including guarantee of equipment required parameters



**ROSPAN INTERNATIONAL,  
ROSNEFT (RUSSIA)**

Complete turbine driven gas compression systems  
4GC2-75/30-83 GTU (5 units)

**Application**

Compression of low pressure hydrocarbon gas

**Technical data of a single gas compression system**

- Capacity: 1,150 million Nm<sup>3</sup>/year
- Suction pressure: 28 bar
- Discharge pressure: 84 bar
- Gas turbine power: 8,200 kW



Years of commissioning: 2015 - 2017

**STAVROLEN, LUKOIL (RUSSIA)**

Complete gas compression system  
5GC2-287/15-57 GTU

**Application**

Compression of dry stripped gas  
Steam production 310 °C

**Technical data of a gas compression system**

- Capacity: 2,200 million Nm<sup>3</sup>/year
- Suction pressure: 15 bar
- Discharge pressure: 57 bar
- Gas turbine power: 25,000 kW



Year of commissioning: 2016

**SHURTAN FIELD BOOSTER STATION-2,  
UZBEKNEFTEGAZ (UZBEKISTAN)**

Complete compressor system 6GC2-380/10-37  
(5 units) powered by a gas turbine

**Application**

Compression of natural gas with variable suction  
pressure from 14 to 6 bar coming from the gas field

**Technical data of a single compressor system**

- Capacity: 268,740 Nm<sup>3</sup>/h
- Suction pressure: 6 bar
- Discharge pressure: 37 bar
- Gas turbine power: 18,000 kW



Year of commissioning: 2015

**BUTYL RUBBER PLANT, PANJIN ZHENAO  
CHEMICAL CO. LTD (CHINA)**

Complete compressor system 5GC1-387/12  
powered by electric motor

**Application**

Compression of chloromethyl-containing gas  
in butyl rubber production

**Technical data of a compressor system**

- Capacity: 24,000 Nm<sup>3</sup>/h
- Suction pressure: 1 bar
- Discharge pressure: 12 bar
- Electric drive power: 4,000 kW



Year of commissioning: 2013

## COMPLETE SOLUTIONS SELECTED PROJECTS

Customer	Country	Gas compression system type, scope of supply	Compressed gas	Capacity*, m <sup>3</sup> /min	Pressure, bar		Drive power, MW	Year of commissioning
					suction	discharge		
ROSPAN INTERNATIONAL	Russia	4GC2-75/30-83 (5 units)	Hydrocarbon	75	28	84	8.2	2015 – 2017 (delivery)
LUKOIL-Komi	Russia	6GC2-260/2-38 (5 units)	Associated petroleum	260	2	38	6.3	2015 – 2017
SiburTyumenGaz	Russia	4GC2-242/12-80 (1 unit)	Dry stripped	242	12	80	18	2016 (delivery)
Stavrolen	Russia	5GC2-287/15-57 (1 unit)	Dry stripped	287	15	57	25	2016
Shurtanneftgaz	Uzbekistan	6GC2-380/10-37 (5 units)	Natural	380	6	37	18	2016
LUKOIL-Permnefteorgsintez	Russia	4GC2-70/17-62 (3 units)	Dry stripped	70	17	62	6	2014
LUKOIL Neftochim Burgas	Bulgaria	96GV-285/19C (1 unit)	Flare	285	1	18	3	2013
SiburTyumenGaz	Russia	6GC2-375/4-77 (1 unit)	Associated petroleum	364	4	76	18	2012
		66GC-1162/1,3-38 (3 units)	Associated petroleum	1,162	1	37	16	2012
Panjin Zhenao Chemical Co. Ltd	China	5GC1-387/12 (1 unit)	Chloromethyl	387	1	12	4	2011
SiburTyumenGaz	Russia	4GC2-124/14-79 (2 units)	Dry stripped	124	14	77	8	2008
Korea Zink Industrial Group	Korea	7VKM-50/8 (18 units)	Air	52	1	8	0.4	2008
Esfahan Steel Company	Iran	KTK-12.5/35 (5 units)	Oxygen	208	1	35	3.1	2001

\* at suction conditions

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