

# Process Gas Chromatography Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2021

## DRIVEN BY NEED FOR REAL-TIME DATA - HAMPERED BY OIL PRICES

Process gas chromatography is used in analytical chemistry for separating and analyzing compounds that can be vaporized without decomposition. Typical uses include testing the purity of a particular substance, or separating the different components of a mixture and determining their relative amounts. This report looks in-depth at different detectors, column types, industries, and applications.

Real-time information has become essential for all industry sectors and applications as they allow those responsible to take quick and informed decisions. This adds to flexibility as well as reduces the waste/commodity consumption.

Gas chromatography is an established technology, but until a few years ago, it was mostly laboratory-bound. The move into the process is driven by new materials, faster hardware/software, stricter regulations, and the resulting growing requirements of the industry.

Process gas chromatographs are predominantly used in the upstream oil & gas and refining industries where depressed prices continued to hamper growth. This negative investment climate has spread to other vertical markets, leading to a slowdown across most of the major markets.

ARC does expect to see an uptick in MRO activities. This holds an opportunity for the process gas chromatography market as digitalization, product analysis, and further automation fulfill the industry's growing need for real-time data to react faster and more effectively.

Signs of better days ahead have been the stabilization of the Chinese market and the lowering of the exploitation costs of shale gas that will revive that industry.

For more information about this research, please contact your ARC Client Manager or visit us at [www.arcweb.com/market-studies/](http://www.arcweb.com/market-studies/).

## STRATEGIC ISSUES

The challenge in the process gas chromatography market is how suppliers can offer increasing value propositions to end users and OEMs. This research answers key questions, such as:

- What business strategies should suppliers deploy?
- Which technologies, product features, and services are up-and-coming?
- Which industries are the most attractive for suppliers to target?
- Which regional markets provide growth potential?

## RESEARCH FORMATS

This ARC research is available in the form of a Market Intelligence Workbook (Excel) and/or a concise, executive-level Market Analysis Report (PDF), with or without detailed charts.

## RESEARCH FOCUS AREAS

### STRATEGIC ANALYSIS

Major Trends  
Regional Trends  
Industry Trends  
Strategic Recommendations

### COMPETITIVE ANALYSIS

Market Shares of the Leading Suppliers  
Market Shares by Region  
North America  
Europe, Middle East, Africa  
Asia  
Latin America  
Market Shares by Revenue Category  
Hardware  
Software  
Services  
Market Shares by Industry  
Chemical  
Electric Power Generation  
Oil & Gas  
Refinery  
Market Shares by Column Type  
Capillary  
Packed

Market Shares by Measuring Principle

FID  
TCD

Market Shares by Customer Type  
Market Shares by Sales Channel

### MARKET FORECASTS

Total Shipments of Process Gas Chromatographs  
Shipments by Region

Shipments by Revenue Category  
Shipments by Industry  
Shipments by Column Type  
Shipments by Measuring Principle  
Shipments by Customer Type  
Shipments by Sales Channel

### INDUSTRY PARTICIPANTS

The research identifies all relevant suppliers serving this market.

The Worldwide Process Gas Chromatography Market

