



REPORT OVERVIEW



# GLOBAL PROCESS INSTRUMENTATION 2019

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## Overview

Process analytical instruments (PAI) are used for monitoring, modeling, analyzing, and controlling manufacturing processes through timely measurements of critical process parameters. The purpose of PAI is to control process safety and optimization while maintaining product quality. Significant research and development has been done in past decades to decide how to incorporate analytical measurements into manufacturing workflows in order to increase productivity and satisfy regulatory and quality standards. Unlike their laboratory counterparts, these instruments must be able to receive samples automatically and generate results in near real-time.

This report seeks to capture the size of the market for these technologies which make up the \$5.4 billion industry, as well as forecast market demand over the next five years, based on the relevant driving forces. For each category, the following market information is provided:

1. Product Type (2018 – 2023)
2. Demand by Industry (2018)
3. Demand by Sector (2018 - 2023)
4. Demand by Region (2018 – 2023)
5. Vendor Share & Vendor Participation (2018)
6. Recent Market Developments (2017 – 2018)

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- Regional Markets
- Competitive Situation
- Recent Developments

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- Key Market Dynamics
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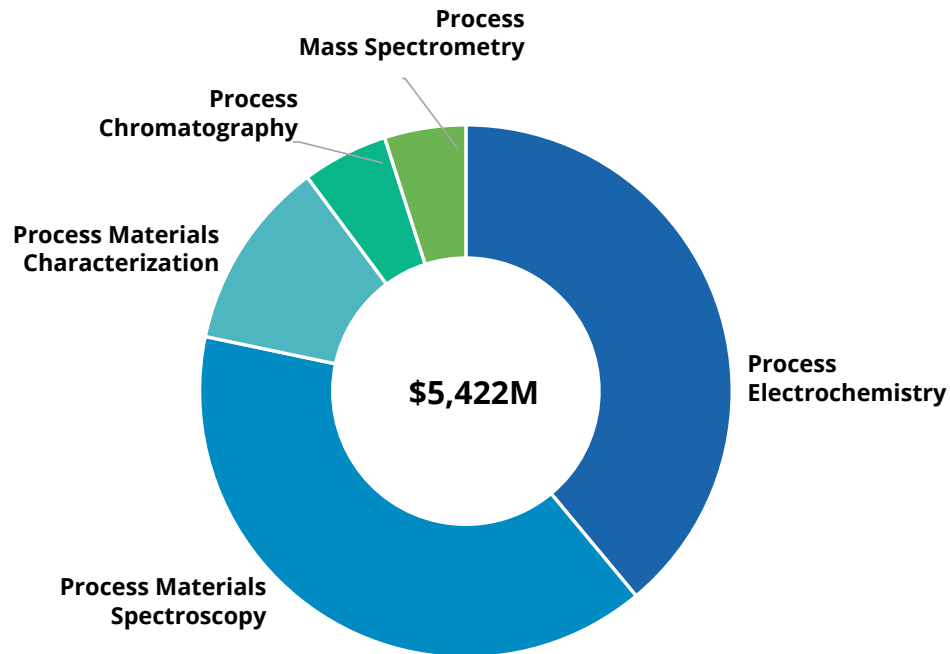


## ■ Methodologies

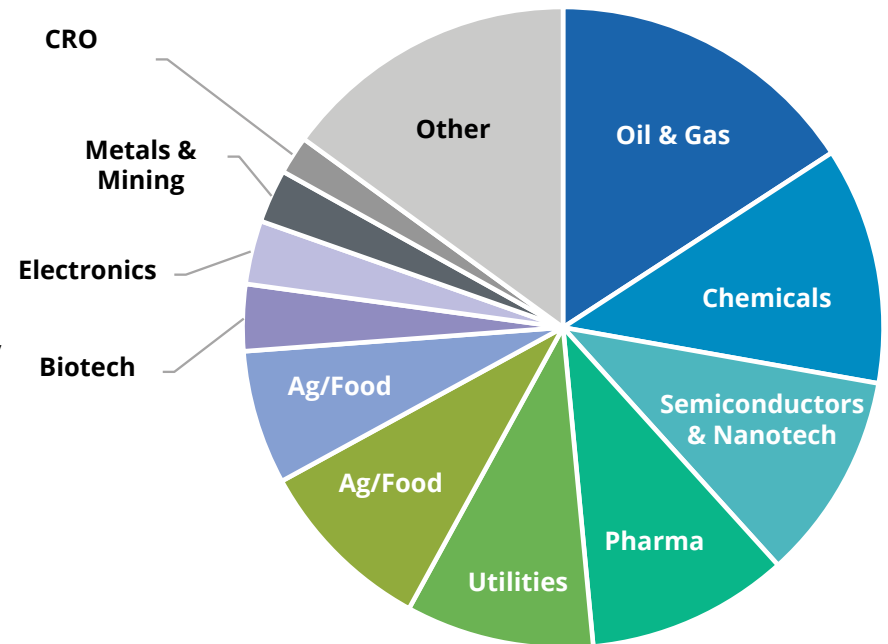
The data in this report is the product of mostly secondary research sources, and some primary research sources. Secondary sources include company financial statements, publications by industry observers and market participants, general and industry publications, and other internet information.

## Sample Data

Overall PAI Market Demand by Technique, 2018



Overall PAI Market Demand by Industry, 2018



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The library of market knowledge and data that SDi has cultivated over the years has been researched by senior consultants and a team of expert scientific market researchers who actively update and cross-check information through both primary and secondary sources.

Each year we also develop publications that focus on the market for a particular technology segment, geographical region, industry, or application. These reports rely heavily on secondary sources and provide the reader with valuable market figures and representations, including segmented market demand, unit sales, five-year growth

forecast, competitive situation, and other relevant insights or summaries. Many of these reports also include a section devoted to end user perspectives, based on results from a survey of scientists and researchers whose work reflects the focus of the publication.

SDi often works in close association with BioInformatics Inc., the leading research and advisory company serving life science markets. This Arlington, Virginia-based firm leverages the world's largest panel of scientific and clinical customers, The Science Advisory Board, for both quantitative survey research and in-depth thought leader interviews. SDi and BioInformatics are both part of Science and Medicine Group, an expanding collection of companies focused on research and advisory services that span the laboratory, scientific, and medical space.

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