

Covid-19 Impact on Computational Fluid Dynamics (CFD) Simulation Tools Market, Global Research Reports 2020-2021

https://marketpublishers.com/r/C6DC43AFBDE0EN.html

Date: June 2020

Pages: 91

Price: US\$ 3,250.00 (Single User License)

ID: C6DC43AFBDE0EN

Abstracts

This report covers market size and forecasts of Computational Fluid Dynamics (CFD) Simulation Tools, including the following market information:

Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021, and 2020 (quarterly data), (US\$ Million)

Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size by Type and by Application, 2019-2021, and 2020 (quarterly data), (US\$ Million)

Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size by Region (and Key Countries), 2019-2021, and 2020 (quarterly data), (US\$ Million)

Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size by Company, 2019- 2020 (quarterly data), (US\$ Million)

Key market players

Major competitors identified in this market include ANSYS, CD-adapco, Mentor Graphics, EXA, Dassault Syst?mes, COMSOL, Altair Engineering, Autodesk, NUMECA International, Convergent Science, etc.

Based on the Region:



Asia-Pacific (China, Japan, South Korea, India and ASEAN)

North America (US and Canada)

Europe (Germany, France, UK and Italy)

Rest of World (Latin America, Middle East & Africa)

Based on the Type:

On Premise CFD Simulation Tools

Cloud-based CFD Simulation Tools

Based on the Application:

Aerospace & Defense Industry

Automotive Industry

Electrical and Electronics Industry

Others



Contents

- 1.1 Research Scope
- 1.2 Market Segmentation
- 1.3 Research Objectives
- 1.4 Research Methodology
 - 1.4.1 Research Process
 - 1.4.2 Data Triangulation
 - 1.4.3 Research Approach
 - 1.4.4 Base Year
- 1.5 Coronavirus Disease 2019 (Covid-19) Impact Will Have a Severe Impact on Global Growth
 - 1.5.1 Covid-19 Impact: Global GDP Growth, 2019, 2020 and 2021 Projections
 - 1.5.2 Covid-19 Impact: Commodity Prices Indices
 - 1.5.3 Covid-19 Impact: Global Major Government Policy
- 1.6 The Covid-19 Impact on Computational Fluid Dynamics (CFD) Simulation Tools Industry
- 1.7 COVID-19 Impact: Computational Fluid Dynamics (CFD) Simulation Tools Market Trends

2 GLOBAL COMPUTATIONAL FLUID DYNAMICS (CFD) SIMULATION TOOLS QUARTERLY MARKET SIZE ANALYSIS

- 2.1 Computational Fluid Dynamics (CFD) Simulation Tools Business Impact Assessment COVID-19
- 2.1.1 Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size, Pre-COVID-19 and Post- COVID-19 Comparison, 2015-2026
- 2.2 Global Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Market Size 2020-2021
- 2.3 COVID-19-Driven Market Dynamics and Factor Analysis
 - 2.3.1 Drivers
 - 2.3.2 Restraints
 - 2.3.3 Opportunities
 - 2.3.4 Challenges

3 QUARTERLY COMPETITIVE ASSESSMENT, 2020

3.1 By Players, Global Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Market Size, 2019 VS 2020



- 3.2 By Players, Computational Fluid Dynamics (CFD) Simulation Tools Headquarters and Area Served
- 3.3 Date of Key Players Enter into Computational Fluid Dynamics (CFD) Simulation Tools Market
- 3.4 Key Players Computational Fluid Dynamics (CFD) Simulation Tools Product Offered
- 3.5 Mergers & Acquisitions, Expansion Plans

4 IMPACT OF COVID-19 ON COMPUTATIONAL FLUID DYNAMICS (CFD) SIMULATION TOOLS SEGMENTS, BY TYPE

- 4.1 Introduction
 - 1.4.1 On Premise CFD Simulation Tools
 - 1.4.2 Cloud-based CFD Simulation Tools
- 4.2 By Type, Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021

5 IMPACT OF COVID-19 ON COMPUTATIONAL FLUID DYNAMICS (CFD) SIMULATION TOOLS SEGMENTS, BY APPLICATION

- 5.1 Overview
 - 5.5.1 Aerospace & Defense Industry
 - 5.5.2 Automotive Industry
 - 5.5.3 Electrical and Electronics Industry
 - 5.5.4 Others
- 5.2 By Application, Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021
- 5.2.1 By Application, Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size by Application, 2019-2021

6 GEOGRAPHIC ANALYSIS

- 6.1 Introduction
- 6.2 North America
 - 6.2.1 Macroeconomic Indicators of US
 - 6.2.2 US
 - 6.2.3 Canada
- 6.3 Europe
 - 6.3.1 Macroeconomic Indicators of Europe
 - 6.3.2 Germany



- 6.3.3 France
- 6.3.4 UK
- 6.3.5 Italy
- 6.4 Asia-Pacific
 - 6.4.1 Macroeconomic Indicators of Asia-Pacific
 - 6.4.2 China
 - 6.4.3 Japan
 - 6.4.4 South Korea
 - 6.4.5 India
 - 6.4.6 ASEAN
- 6.5 Rest of World
 - 6.5.1 Latin America
 - 6.5.2 Middle East and Africa

7 COMPANY PROFILES

- 7.1 ANSYS
 - 7.1.1 ANSYS Business Overview
- 7.1.2 ANSYS Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Revenue, 2020
- 7.1.3 ANSYS Computational Fluid Dynamics (CFD) Simulation Tools Product Introduction
 - 7.1.4 ANSYS Response to COVID-19 and Related Developments
- 7.2 CD-adapco
 - 7.2.1 CD-adapco Business Overview
- 7.2.2 CD-adapco Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Revenue, 2020
- 7.2.3 CD-adapco Computational Fluid Dynamics (CFD) Simulation Tools Product Introduction
 - 7.2.4 CD-adapco Response to COVID-19 and Related Developments
- 7.3 Mentor Graphics
 - 7.3.1 Mentor Graphics Business Overview
- 7.3.2 Mentor Graphics Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Revenue, 2020
- 7.3.3 Mentor Graphics Computational Fluid Dynamics (CFD) Simulation Tools Product Introduction
 - 7.3.4 Mentor Graphics Response to COVID-19 and Related Developments
- 7.4 EXA
 - 7.4.1 EXA Business Overview



- 7.4.2 EXA Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Revenue, 2020
- 7.4.3 EXA Computational Fluid Dynamics (CFD) Simulation Tools Product Introduction
- 7.4.4 EXA Response to COVID-19 and Related Developments
- 7.5 Dassault Syst?mes
 - 7.5.1 Dassault Syst?mes Business Overview
- 7.5.2 Dassault Syst?mes Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Revenue, 2020
- 7.5.3 Dassault Syst?mes Computational Fluid Dynamics (CFD) Simulation Tools Product Introduction
- 7.5.4 Dassault Syst?mes Response to COVID-19 and Related Developments 7.6 COMSOL
 - 7.6.1 COMSOL Business Overview
- 7.6.2 COMSOL Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Revenue, 2020
- 7.6.3 COMSOL Computational Fluid Dynamics (CFD) Simulation Tools Product Introduction
- 7.6.4 COMSOL Response to COVID-19 and Related Developments
- 7.7 Altair Engineering
 - 7.7.1 Altair Engineering Business Overview
- 7.7.2 Altair Engineering Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Revenue, 2020
- 7.7.3 Altair Engineering Computational Fluid Dynamics (CFD) Simulation Tools Product Introduction
- 7.7.4 Altair Engineering Response to COVID-19 and Related Developments7.8 Autodesk
 - 7.8.1 Autodesk Business Overview
- 7.8.2 Autodesk Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Revenue, 2020
- 7.8.3 Autodesk Computational Fluid Dynamics (CFD) Simulation Tools Product Introduction
- 7.8.4 Autodesk Response to COVID-19 and Related Developments
- 7.9 NUMECA International
 - 7.9.1 NUMECA International Business Overview
- 7.9.2 NUMECA International Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Revenue, 2020
- 7.9.3 NUMECA International Computational Fluid Dynamics (CFD) Simulation Tools Product Introduction
 - 7.9.4 NUMECA International Response to COVID-19 and Related Developments



- 7.10 Convergent Science
 - 7.10.1 Convergent Science Business Overview
- 7.10.2 Convergent Science Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Revenue, 2020
- 7.10.3 Convergent Science Computational Fluid Dynamics (CFD) Simulation Tools Product Introduction
- 7.10.4 Convergent Science Response to COVID-19 and Related Developments

8 KEY FINDINGS

9 APPENDIX

- 9.1 About US
- 9.2 Disclaimer



List Of Tables

LIST OF TABLES

- Table 1. Overview of the World Economic Outlook Projections
- Table 2. Summary of World Real per Capita Output (Annual percent change; in international currency at purchasing power parity)
- Table 3. European Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)
- Table 4. Asian and Pacific Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)
- Table 5. Western Hemisphere Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)
- Table 6. Middle Eastern and Central Asian Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)
- Table 7. Covid-19 Impact: Global Major Government Policy
- Table 8. The Covid-19 Impact on Computational Fluid Dynamics (CFD) Simulation Tools Assessment
- Table 9. COVID-19 Impact: Computational Fluid Dynamics (CFD) Simulation Tools Market Trends
- Table 10. COVID-19 Impact Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size
- Table 11. Global Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Market Size, 2020 (US\$ Million)
- Table 12. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size, Pre-COVID-19 and Post- COVID-19 Quarterly Comparison, 2020-2021 (US\$ Million)
- Table 13. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Growth Drivers
- Table 14. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Restraints
- Table 15. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Opportunities
- Table 16. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Challenges
- Table 17. By Players, Computational Fluid Dynamics (CFD) Simulation Tools Quarterly Revenue, 2019 VS 2020 (US\$ Million)
- Table 18. Key Players, Computational Fluid Dynamics (CFD) Simulation Tools Revenue Market Share, 2019 VS 2020 (%)



Table 19. Key Computational Fluid Dynamics (CFD) Simulation Tools Players Headquarters and Area Served

Table 20. Date of Key Players Enter into Computational Fluid Dynamics (CFD) Simulation Tools Market

Table 21. Key Players Computational Fluid Dynamics (CFD) Simulation Tools Product Type

Table 22. Mergers & Acquisitions, Expansion Plans

Table 23. By Players, Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size 2019-2021, (US\$ Million)

Table 24. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size by Application: 2019-2021 (US\$ Million)

Table 25. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size by Region, 2019-2021 (US\$ Million)

Table 26. By Country, North America Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 27. By Type, US Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 28. By Application, US Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 29. By Type, Canada Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 30. By Application, Canada Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 31. Macroeconomic Indicators of Europe (Germany, France, UK and Italy)

Table 32. By Country, Europe Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 33. By Type, Germany Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 34. By Application, Germany Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 35. By Type, France Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 36. By Application, France Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 37. By Type, UK Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 38. By Application, UK Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 39. By Type, Italy Computational Fluid Dynamics (CFD) Simulation Tools Market



Size, 2019-2021 (US\$ Million)

Table 40. By Application, Italy Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 41. Macroeconomic Indicators of Asia-Pacific (China, Japan, South Korea, India and ASEAN)

Table 42. By Region, Asia-Pacific Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 43. By Type, China Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 44. By Application, China Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 45. By Type, Japan Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 46. By Application, Japan Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 47. By Type, South Korea Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 48. By Application, South Korea Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 49. By Type, India Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 50. By Application, India Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 51. By Type, ASEAN Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 52. By Application, ASEAN Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 53. By Type, Latin America Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 54. By Application, Latin America Computational Fluid Dynamics (CFD)

Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 55. By Type, Middle East and Africa Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 56. By Application, Middle East and Africa Computational Fluid Dynamics (CFD) Simulation Tools Market Size, 2019-2021 (US\$ Million)

Table 57. ANSYS Business Overview

Table 58. ANSYS Computational Fluid Dynamics (CFD) Simulation Tools Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020

Table 59. ANSYS Computational Fluid Dynamics (CFD) Simulation Tools Product



- Table 60. ANSYS Response to COVID-19 and Related Developments
- Table 61. CD-adapco Business Overview
- Table 62. CD-adapco Computational Fluid Dynamics (CFD) Simulation Tools Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020
- Table 63. CD-adapco Computational Fluid Dynamics (CFD) Simulation Tools Product
- Table 64. CD-adapco Response to COVID-19 and Related Developments
- Table 65. Mentor Graphics Business Overview
- Table 66. Mentor Graphics Computational Fluid Dynamics (CFD) Simulation Tools
- Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020
- Table 67. Mentor Graphics Computational Fluid Dynamics (CFD) Simulation Tools Product
- Table 68. Mentor Graphics Response to COVID-19 and Related Developments
- Table 69. EXA Business Overview
- Table 70. EXA Computational Fluid Dynamics (CFD) Simulation Tools Revenue (US\$
- Million), (Q1, Q2, Q3, Q4) Quarter 2020
- Table 71. EXA Computational Fluid Dynamics (CFD) Simulation Tools Product
- Table 72. EXA Response to COVID-19 and Related Developments
- Table 73. Dassault Syst?mes Business Overview
- Table 74. Dassault Syst?mes Computational Fluid Dynamics (CFD) Simulation Tools
- Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020
- Table 75. Dassault Syst?mes Computational Fluid Dynamics (CFD) Simulation Tools Product
- Table 76. Dassault Syst?mes Response to COVID-19 and Related Developments
- Table 77. COMSOL Business Overview
- Table 78. COMSOL Computational Fluid Dynamics (CFD) Simulation Tools Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020
- Table 79. COMSOL Computational Fluid Dynamics (CFD) Simulation Tools Product
- Table 80. COMSOL Response to COVID-19 and Related Developments
- Table 81. Altair Engineering Business Overview
- Table 82. Altair Engineering Computational Fluid Dynamics (CFD) Simulation Tools
- Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020
- Table 83. Altair Engineering Computational Fluid Dynamics (CFD) Simulation Tools Product
- Table 84. Altair Engineering Response to COVID-19 and Related Developments
- Table 85. Autodesk Business Overview
- Table 86. Autodesk Computational Fluid Dynamics (CFD) Simulation Tools Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020
- Table 87. Autodesk Computational Fluid Dynamics (CFD) Simulation Tools Product
- Table 88. Autodesk Response to COVID-19 and Related Developments



- Table 89. NUMECA International Business Overview
- Table 90. NUMECA International Computational Fluid Dynamics (CFD) Simulation
- Tools Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020
- Table 91. NUMECA International Computational Fluid Dynamics (CFD) Simulation Tools Product
- Table 92. NUMECA International Response to COVID-19 and Related Developments
- Table 93. Convergent Science Business Overview
- Table 94. Convergent Science Computational Fluid Dynamics (CFD) Simulation Tools
- Revenue (US\$ Million), (Q1, Q2, Q3, Q4) Quarter 2020
- Table 95. Convergent Science Computational Fluid Dynamics (CFD) Simulation Tools Product
- Table 96. Convergent Science Response to COVID-19 and Related Developments



List Of Figures

LIST OF FIGURES

- Figure 1. Computational Fluid Dynamics (CFD) Simulation Tools Product Picture
- Figure 2. Computational Fluid Dynamics (CFD) Simulation Tools Market Segmentation
- Figure 3. Research Objectives
- Figure 4. Research Process
- Figure 5. Data Triangulation
- Figure 6. Research Approach
- Figure 7. Commodity Prices-Metals Price Indices
- Figure 8. Commodity Prices- Precious Metal Price Indices
- Figure 9. Commodity Prices- Agricultural Raw Material Price Indices
- Figure 10. Commodity Prices- Food and Beverage Price Indices
- Figure 11. Commodity Prices- Fertilizer Price Indices
- Figure 12. Commodity Prices- Energy Price Indices
- Figure 13. G20+: Economic Policy Responses to COVID-19
- Figure 14. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size,
- Pre-COVID-19 and Post- COVID-19 Comparison, 2015-2026 (US\$ Million)
- Figure 15. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size,
- Pre-COVID-19 and Post- COVID-19, Year-over-Year Growth Rate, 2015-2026 (%)
- Figure 16. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size, Quarterly Growth, 2020-2021 (%)
- Figure 17. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size, Market Share by Type, 2019 VS 2020 (%)
- Figure 18. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size, Market Share by Application, 2019 VS 2020 (%)
- Figure 19. Global Computational Fluid Dynamics (CFD) Simulation Tools Market Size Market Share by Region, 2019 VS 2020 (%)
- Figure 20. United States Composite PMI and GDP
- Figure 21. Eurozone Composite PMI and GDP
- Figure 22. Eurozone Core v. Periphery PMI Output Indices
- Figure 23. Core v. Periphery PMI Employment Indices
- Figure 24. UK Composite PMI and GDP
- Figure 25. Caixin China Composite Output Index
- Figure 26. Caixin China General Services Business Activity Index
- Figure 27. Japan Composite Output Index
- Figure 28. South Korea Manufacturing PMI
- Figure 29. India Composite Output Index



Figure 30. ASEAN Manufacturing PMI

Figure 31. By Region, Asia-Pacific Computational Fluid Dynamics (CFD) Simulation Tools Market Size Market Share, 2019-2021



I would like to order

Product name: Covid-19 Impact on Computational Fluid Dynamics (CFD) Simulation Tools Market,

Global Research Reports 2020-2021

Product link: https://marketpublishers.com/r/C6DC43AFBDE0EN.html

Price: US\$ 3,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

Payment

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/C6DC43AFBDE0EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

