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Cleanroom Technologies Market by Product (Equipment - Fan Filter, HVAC, Vacuum Systems; Consumable - Safety, Disinfectants), Type (Standard Modular (Hardwall, Softwall), Mobile), End User (Pharma, Biotech, MedTech, Hospitals) & Region - Global Forecast to 2028

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Abstracts

The global cleanroom technologies market is projected to reach USD 8.2 billion in 2023 and is projected to reach USD 11.4 billion by 2028, at a CAGR of 6.8% during the forecast period. Growth in the cleanroom technologies market is mainly driven by factors such as advancements in cleanroom technologies, increasing R&D spending in the pharmaceutical industry, growth of the biologics sector, and rising demand for parenteral and injectable pharmaceutical formulations. However, the high costs of cleanroom technologies systems is expected to restrain the growth of this market during the forecast period.

Safety Consumables segment is projected to grow at the highest CAGR during the forecast period By product, the global cleanroom technologies market is segmented into controls, consumables and equipments. The consumables segment is categorized into safety consumables and cleaning consumables. The safety consumables segment is expected to register the highest CAGR during the forecast period. In cleanroom operations, the adoption of single-use safety consumables such as gloves, apparel, and masks has increased over the last few years. The growing adoption of single-use safety consumables is expected to turn into a steady revenue stream for several market players owing to the increasing number of manufacturing and R&D activities in the life science industry. Also, the adoption of safety consumables is increasing in the hospitals with the rising cases of COVID-19.

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Mobile cleanrooms segment is projected to grow at the highest CAGR during the forecast period By type, the cleanroom technologies market is segmented into modular cleanrooms, standard cleanrooms and mobile cleanrooms. In 2022, the mobile cleanrooms segment is projected to grow at the highest CAGR. The higher demand for mobile cleanrooms is driven by their advantages of being more flexible than standard and modular and easy to transport within a facility or to remote locations, providing comprehensive cleanroom capabilities wherever they are needed.

Biotechnology industry segment is projected to grow at the highest CAGR during the forecast period

By end user, the cleanroom technologies market is segmented into biotechnology industry, medical device manufacturers, hospitals, pharmaceutical industry and other end users. In 2022, the biotechnology industry segment is projected to grow at the highest CAGR during the forecast period, owing to factors such as the growing demand for biologics and biosimilars. Also, the use of new techniques, such as proteomics, recombinant DNA technology, and cell fusion has increased in the past few years and has led to a rise in the demand for a controlled working environment for all processes in biotechnology research and production to ensure the quality and safety of products.

By region, The Asia Pacific is projected to grow at the highest CAGR during the forecast period

By region, the cleanroom technologies market is segmented into Europe, Latin America, the Asia Pacific, North America and the Middle East & Africa. In 2023, The Asia Pacific segment is projected to grow at the highest CAGR during the forecast period. Factors such as the increasing healthcare expenditure and growing pharma and biotech manufacturing base in several APAC countries such as India and China, are increasing the adoption of cleanroom technologies in the Asia Pacific.

The break up of the profile of primary participants in the cleanroom technologies market:

By Company Type: Tier 1- 35%, Tier 2- 45%, and Tier 3-20%

By Designation: C-level Executives- 35%, Directors- 25% , and Others- 40%.

By Region: North America - 40%, Europe – 30%, APAC –20%, Latin America – 5%,Middle East & Africa–5%

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Key players in the cleanroom technologies market

Some of the prominent players operating in the cleanroom technologiesmarket include Kimberly-Clark Corporation (US), Illinois Tool Works, Inc. (US), Taikisha Ltd. (Japan), Angstrom Technology (US), Octanorm-Vertriebs-GMBH (Germany), Camfil (Sweden), Azbil Corporation (Japan), Bouygues Group (France), Clean Air Technology, Inc.(US), Weiss Technik (Germany), Atlas Environments, Ltd. (UK) Exyte AG (Germany), Terra Universal, Inc. (US), Airtech Japan, Ltd. (Japan), Parteco SRL (Italy), Berkshire Corporation (US), Airplan (Spain), Dupont De Nemours, Inc. (US), Ardmac (Ireland), Clean Air Products (US), Labconco Corporation (US), Dynarex Corporation (US), Colandis GMBH (Germany), ABN Cleanroom Technology (Belgium) and Clean Rooms International, Inc. (US).

Research Coverage:

The report analyzes the cleanroom technologies market and aims at estimating the market size and future growth potential of this market based on various segments such as product, type, and end user. The report also includes a product portfolio matrix of various cleanroom technology products available in the market. The report also provides a competitive analysis of the key players in this market, along with their company profiles, product offerings, and key market strategies.

Reasons to Buy the Report

The report will enrich established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn would help them, garner a more significant share of the market. Firms purchasing the report could use one or any combination of the below-mentioned strategies to strengthen their position in the market.

This report provides insights into the following pointers:

Analysis of key drivers (stringent regulatory framework, growth of the biologics sector, rising demand for parenteral and injectable pharmaceutical formulations, growing demand for medical devices, advancements in cleanroom technologies, and increasing R&D spending in the pharmaceutical industry), restraints (high operational costs associated with cleanrooms), opportunities (increasing demand for cleanrooms in developing economies, and growing focus on energy-

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efficient cleanrooms), and challenges (customization of cleanroom designs)

Product Development/Innovation: Detailed insights on upcoming trends, research & development activities, and new product launches in the global cleanroom technologies market

Market Development: Comprehensive information on the lucrative emerging markets by product, type, and end user.

Market Diversification: Exhaustive information about new product and services or product and service enhancements, growing geographies, recent developments, and investments in the global cleanroom technologies market.

Competitive Assessment: In-depth assessment of market shares, growth strategies, product offerings, company evaluation quadrant, and capabilities of leading players in the global cleanroom technologies market. This report also helps stakeholders understand the pulse of the cleanroom technologies market and provides them information on key market drivers, restraints, challenges, and opportunities.

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Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES
1.2 MARKET DEFINITION
  1.2.1 INCLUSIONS AND EXCLUSIONS
1.3 MARKET SCOPE
  1.3.1 MARKET SEGMENTATION
FIGURE 1 CLEANROOM TECHNOLOGIES MARKET SEGMENTATION
  1.3.2 YEARS CONSIDERED
1.4 CURRENCY CONSIDERED
TABLE 1 EXCHANGE RATES CONSIDERED (2020–2022)
1.5 STAKEHOLDERS
1.6 SUMMARY OF CHANGES
  1.6.1 RECESSION IMPACT

2 RESEARCH METHODOLOGY

2.1 RESEARCH APPROACH
FIGURE 2 RESEARCH DESIGN
  2.1.1 SECONDARY RESEARCH
    2.1.1.1 Key data from secondary sources
  2.1.2 PRIMARY RESEARCH
FIGURE 3 PRIMARY SOURCES
    2.1.2.1 Key data from primary sources
    2.1.2.2 Insights from primary experts
FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS: SUPPLY-SIDE AND DEMAND-SIDE PARTICIPANTS
FIGURE 5 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION
2.2 MARKET SIZE ESTIMATION
FIGURE 6 MARKET SIZE APPROACH: REVENUE SHARE ANALYSIS
FIGURE 7 REVENUE SHARE ANALYSIS ILLUSTRATION: KIMBERLY-CLARK CORPORATION
FIGURE 8 TOP-DOWN APPROACH
FIGURE 9 FIGURRCAGR PROJECTIONS FROM ANALYSIS OF DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES
FIGURE 10 CAGR PROJECTIONS: CLEANROOM TECHNOLOGIES MARKET

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2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
FIGURE 11 DATA TRIANGULATION METHODOLOGY
2.4 MARKET SHARE ANALYSIS
2.5 STUDY ASSUMPTIONS
2.6 RESEARCH LIMITATIONS
2.6.1 METHODOLOGY-RELATED LIMITATIONS
2.6.2 SCOPE-RELATED LIMITATIONS
2.7 RISK ASSESSMENT
TABLE 2 RISK ASSESSMENT: CLEANROOM TECHNOLOGIES MARKET
2.8 IMPACT OF RECESSION ON CLEANROOM TECHNOLOGIES MARKET

3 EXECUTIVE SUMMARY

FIGURE 12 CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT,

2023 VS. 2028 (USD MILLION)

FIGURE 13 CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE,

2023 VS. 2028 (USD MILLION)

FIGURE 14 CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE,

2023 VS. 2028 (USD MILLION)

FIGURE 15 CLEANROOM TECHNOLOGIES MARKET, BY TYPE,

2023 VS. 2028 (USD MILLION)

FIGURE 16 CLEANROOM TECHNOLOGIES MARKET, BY END USER,

2023 VS. 2028 (USD MILLION)

FIGURE 17 REGIONAL SNAPSHOT OF CLEANROOM TECHNOLOGIES MARKET

4 PREMIUM INSIGHTS

4.1 CLEANROOM TECHNOLOGIES MARKET OVERVIEW

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FIGURE 18 STRINGENT REGULATORY FRAMEWORK IN PHARMACEUTICAL AND BIOTECHNOLOGY INDUSTRIES TO DRIVE MARKET
4.2 ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET, BY END USER (2022)
FIGURE 19 PHARMACEUTICAL INDUSTRY ACCOUNTED FOR LARGEST SHARE OF ASIA PACIFIC CLEANROOM TECHNOLOGIES MARKET IN 2022
4.3 REGIONAL GROWTH OPPORTUNITIES: CLEANROOM TECHNOLOGIES MARKET
(2023–2028)
FIGURE 20 INDIA TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD
4.4 REGIONAL MIX: CLEANROOM TECHNOLOGIES MARKET (2021–2028)
FIGURE 21 ASIA PACIFIC TO REGISTER HIGHEST GROWTH RATE IN CLEANROOM TECHNOLOGIES MARKET DURING STUDY PERIOD
4.5 CLEANROOM TECHNOLOGIES MARKET: DEVELOPED VS. EMERGING ECONOMIES
FIGURE 22 EMERGING ECONOMIES TO REGISTER HIGHER GROWTH RATE DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION
5.2 MARKET DYNAMICS
TABLE 3 MARKET DYNAMICS: CLEANROOM TECHNOLOGIES MARKET
5.2.1 DRIVERS
5.2.1.1 Stringent regulatory framework and quality check parameters
5.2.1.2 Growth of biotechnology sector
TABLE 4 INDICATIVE LIST OF BIOLOGICS APPROVED BY FDA (2022)
5.2.1.3 Rising demand for parenteral and injectable pharmaceutical formulations
5.2.1.4 Growing demand for miniaturized medical devices
5.2.1.5 Advancements in cleanroom technologies and development of modularly-designed cleanrooms
5.2.1.6 Increasing R&D spending in pharmaceutical industry
FIGURE 23 NUMBER OF PHARMACEUTICAL COMPANIES WITH ACTIVE DRUG PIPELINE PROJECTS (2010–2022)
FIGURE 24 GLOBAL PHARMACEUTICAL R&D SPENDING (2016–2020)
5.2.2 RESTRAINTS
5.2.2.1 High operational costs associated with cleanrooms
TABLE 5 PRICING COMPARISON OF TWO CLEANROOM PROJECTS
5.2.3 OPPORTUNITIES
5.2.3.1 Increasing demand for cleanrooms in emerging economies

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TABLE 6 COMPANY EXPANSIONS/PARTNERSHIPS IN EMERGING ECONOMIES
5.2.3.2 Growing focus on energy-efficient cleanrooms by pharmaceutical and medical device manufacturers
5.2.4 CHALLENGES
5.2.4.1 Customization of cleanroom designs as per customer requirements
5.3 INDUSTRY TRENDS
5.3.1 GROWING AWARENESS OF MOBILE CLEANROOMS
TABLE 7 RECENT DEVELOPMENTS IN MOBILE CLEANROOMS MARKET
5.3.2 EMERGENCE OF RENTAL CLEANROOM SERVICES
5.4 REGULATORY ANALYSIS
5.4.1 NORTH AMERICA
TABLE 8 ISO CLASSIFICATION OF CLEANROOMS
5.4.2 EUROPE
TABLE 9 EU GMP ANNEX 1 CLASSIFICATION FOR CLEANROOMS
TABLE 10 REGULATORY STANDARDS FOR CLEANROOM TECHNOLOGIES: EUROPE
5.4.3 ASIA PACIFIC
5.4.3.1 Japan
TABLE 11 CLASSIFICATION FOR CLEAN AREAS
5.4.3.2 China
TABLE 12 DESIGNATION OF STANDARDS
TABLE 13 REGULATORY STANDARDS FOR CLEANROOM TECHNOLOGIES: CHINA
5.4.3.3 India
5.5 PORTER’S FIVE FORCES ANALYSIS
TABLE 14 PORTER’S FIVE FORCES ANALYSIS: CLEANROOM TECHNOLOGIES MARKET
5.5.1 THREAT OF NEW ENTRANTS
5.5.2 THREAT OF SUBSTITUTES
5.5.3 BARGAINING POWER OF SUPPLIERS
5.5.4 BARGAINING POWER OF BUYERS
5.5.5 INTENSITY OF COMPETITIVE RIVALRY
5.6 TECHNOLOGY ANALYSIS
TABLE 15 INNOVATIONS IN CLEANROOM TECHNOLOGIES
5.7 PRICING ANALYSIS
TABLE 16 AVERAGE SELLING PRICE OF CLEANROOM TECHNOLOGIES (PRODUCTS/SERVICES)
TABLE 17 AVERAGE SELLING PRICE OF CLEANROOM EQUIPMENT, BY KEY PLAYERS

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5.8 ECOSYSTEM MARKET MAP
FIGURE 25 ECOSYSTEM MARKET MAP: CLEANROOM TECHNOLOGIES MARKET
5.9 PATENT ANALYSIS
5.9.1 PATENT PUBLICATION TRENDS FOR CLEANROOM TECHNOLOGIES
FIGURE 26 PATENT PUBLICATION TRENDS (JANUARY 2012–JULY 2023)
5.9.2 JURISDICTION AND TOP APPLICANT ANALYSIS
FIGURE 27 TOP APPLICANTS AND OWNERS (COMPANIES/INSTITUTIONS) FOR CLEANROOM TECHNOLOGY PATENTS (JANUARY 2012–JULY 2023)
FIGURE 28 TOP APPLICANT COUNTRIES/REGIONS FOR CLEANROOM TECHNOLOGY PATENTS (JANUARY 2012–JULY 2023)
TABLE 18 LIST OF PATENTS/PATENT APPLICATIONS IN CLEANROOM TECHNOLOGIES MARKET, 2021–2023

6 CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT

6.1 INTRODUCTION
TABLE 19 CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 20 CLEANROOM TECHNOLOGIES MARKET FOR PRODUCT, BY COUNTRY, 2021–2028 (USD MILLION)
6.2 CONSUMABLES
TABLE 21 CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 22 CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.1 SAFETY CONSUMABLES
TABLE 23 SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 24 SAFETY CONSUMABLES MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.1.1 Gloves
6.2.1.1.1 Increased number of adverse skin reactions from powdered gloves to limit market
TABLE 25 GLOVES OFFERED BY MAJOR PLAYERS
TABLE 26 GLOVES MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.1.2 Apparel
6.2.1.2.1 Better personal barrier from contaminants and higher thermal comfort to drive segment
TABLE 27 APPAREL OFFERED BY MAJOR PLAYERS
TABLE 28 APPAREL MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

6.2.1.3 Other safety consumables
TABLE 29 OTHER SAFETY CONSUMABLES OFFERED BY MAJOR PLAYERS
TABLE 30 OTHER SAFETY CONSUMABLES MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.2 CLEANING CONSUMABLES
TABLE 31 CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 32 CLEANING CONSUMABLES MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.2.1 Wipes
6.2.2.1.1 Growing demand for eco-friendly biodegradable wipes to drive market
TABLE 33 WIPES OFFERED BY MAJOR PLAYERS
TABLE 34 WIPES MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.2.2 Disinfectants
TABLE 35 DISINFECTANTS OFFERED BY MAJOR PLAYERS
TABLE 36 DISINFECTANTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
TABLE 37 DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
6.2.2.2.1 Alcohols
6.2.2.2.1.1 Increasing adoption of disinfectants containing ethyl or isopropyl alcohol to drive segment
TABLE 38 ALCOHOLS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.2.2.2 Chlorine-based disinfectants
6.2.2.2.2.1 Increasing clinical and surgical procedures with rising need to combat hospital-acquired infections to drive segment
TABLE 39 CHLORINE-BASED DISINFECTANTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.2.2.3 Quaternary ammonium compounds
6.2.2.2.3.1 Higher toxicity and lesser effectiveness than chlorine compounds to limit segment
TABLE 40 QUATERNARY AMMONIUM COMPOUNDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.2.2.4 Hypochlorous acid
6.2.2.2.4.1 Highly effective and non-hazardous nature of hypochlorous acid to drive segment
TABLE 41 HYPOCHLOROUS ACID MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.2.2.5 Hydrogen peroxide
6.2.2.2.5.1 Increasing demand for environmentally safe alternatives to chlorine-based bleaches to drive segment

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TABLE 42 HYDROGEN PEROXIDE MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.2.2.6 Phenolic compounds
6.2.2.2.6.1 Increased chances of reactivity and environmental contamination to limit segment
TABLE 43 PHENOLIC COMPOUNDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.2.2.7 Other cleanroom disinfectants
TABLE 44 OTHER CLEANROOM DISINFECTANTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.2.3 Vacuum systems
6.2.2.3.1 Faster decontamination and easier sanitation processes to drive segment
TABLE 45 VACUUM SYSTEMS OFFERED BY MAJOR PLAYERS
TABLE 46 VACUUM SYSTEMS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.2.2.4 Other cleaning consumables
TABLE 47 OTHER CLEANING CONSUMABLES OFFERED BY MAJOR PLAYERS
TABLE 48 OTHER CLEANING CONSUMABLES MARKET, BY COUNTRY,

2021–2028 (USD MILLION)

6.3 EQUIPMENT
TABLE 49 CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 50 CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY COUNTRY, 2021–2028 (USD MILLION)
6.3.1 HVAC SYSTEMS
6.3.1.1 HVAC systems accounted for largest share of cleanroom equipment market in 2022
TABLE 51 HVAC SYSTEMS OFFERED BY MAJOR PLAYERS
TABLE 52 HVAC SYSTEMS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.3.2 HEPA FILTERS
6.3.2.1 HEPA filter manufacturers to develop environment-friendly and energy-efficient products
TABLE 53 HEPA FILTERS OFFERED BY MAJOR PLAYERS
TABLE 54 HEPA FILTERS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.3.3 FAN FILTER UNITS
6.3.3.1 Growing need for energy-efficient equipment to drive segment
TABLE 55 FAN FILTER UNITS OFFERED BY MAJOR PLAYERS
TABLE 56 FAN FILTER UNITS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

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6.3.4 LAMINAR AIRFLOW SYSTEMS AND BIOSAFETY CABINETS
6.3.4.1 Use of laminar airflow systems to reduce effects of airborne particles and pathogens
TABLE 57 LAMINAR AIRFLOW SYSTEMS AND BIOSAFETY CABINETS OFFERED BY MAJOR PLAYERS
TABLE 58 LAMINAR AIR FLOW SYSTEMS AND BIOSAFETY CABINETS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.3.5 AIR DIFFUSERS AND SHOWERS
6.3.5.1 Development of technologically advanced air shower systems to drive segment
TABLE 59 AIR DIFFUSERS AND SHOWERS OFFERED BY MAJOR PLAYERS
TABLE 60 AIR DIFFUSERS AND SHOWERS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.3.6 PASS-THROUGH CABINETS
6.3.6.1 Pass-through cabinets to allow movement with minimum possibility of contamination
TABLE 61 PASS-THROUGH CABINETS OFFERED BY MAJOR PLAYERS
TABLE 62 PASS-THROUGH CABINETS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.3.7 OTHER EQUIPMENT
TABLE 63 OTHER EQUIPMENT OFFERED BY MAJOR PLAYERS
TABLE 64 OTHER EQUIPMENT MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
6.4 CONTROLS
6.4.1 QUICK OVERVIEW OF TEMPERATURE, HUMIDITY, PRESSURE WITH SINGLE CONSOLE TO DRIVE SEGMENT
TABLE 65 CLEANROOM TECHNOLOGIES MARKET FOR CONTROLS, BY COUNTRY, 2021–2028 (USD MILLION)

7 CLEANROOM TECHNOLOGIES MARKET, BY TYPE

7.1 INTRODUCTION
TABLE 66 CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 67 CLEANROOM TECHNOLOGIES MARKET FOR TYPE, BY COUNTRY, 2021–2028 (USD MILLION)
7.2 STANDARD CLEANROOMS
7.2.1 INCREASED DEMAND FOR FIXED STRUCTURES AND QUICK ON-SITE CONSTRUCTION FACILITIES TO DRIVE MARKET
TABLE 68 CLEANROOM TECHNOLOGIES MARKET FOR STANDARD

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CLEANROOMS, BY COUNTRY, 2021–2028 (USD MILLION)
7.3 MODULAR CLEANROOMS
TABLE 69 CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 70 CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY COUNTRY, 2021–2028 (USD MILLION)
7.3.1 HARDWALL MODULAR CLEANROOMS
7.3.1.1 Increased design flexibility and easy installation facilities to drive segment
TABLE 71 HARDWALL MODULAR CLEANROOMS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
7.3.2 SOFTWALL MODULAR CLEANROOMS
7.3.2.1 Cost-effective, easy accessibility, and advanced contamination control features to drive segment
TABLE 72 SOFTWALL MODULAR CLEANROOMS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
7.4 MOBILE CLEANROOMS
7.4.1 GREATER EASE OF TRANSPORTATION AND BETTER FLEXIBILITY TO DRIVE MARKET
TABLE 73 CLEANROOM TECHNOLOGIES MARKET FOR MOBILE CLEANROOMS, BY COUNTRY, 2021–2028 (USD MILLION)

8 CLEANROOM TECHNOLOGIES MARKET, BY END USER

8.1 INTRODUCTION
TABLE 74 CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
TABLE 75 CLEANROOM TECHNOLOGIES MARKET FOR END USERS, BY COUNTRY, 2021–2028 (USD MILLION)
8.2 PHARMACEUTICAL INDUSTRY
8.2.1 PHARMACEUTICAL INDUSTRY COMMANDED LARGEST SHARE OF CLEANROOM TECHNOLOGIES END USER MARKET IN 2022
TABLE 76 CLEANROOM TECHNOLOGIES MARKET FOR PHARMACEUTICAL INDUSTRY, BY COUNTRY, 2021–2028 (USD MILLION)
8.3 BIOTECHNOLOGY INDUSTRY
8.3.1 BIOTECHNOLOGY INDUSTRY SEGMENT TO GROW AT HIGHEST GROWTH RATE DURING FORECAST PERIOD
TABLE 77 CLEANROOM TECHNOLOGIES MARKET FOR BIOTECHNOLOGY INDUSTRY, BY COUNTRY, 2021–2028 (USD MILLION)
8.4 MEDICAL DEVICE MANUFACTURERS

8.4.1 INCREASED DEVELOPMENT OF IMPLANTABLE, BIO-DISPERSIBLE, AND MINIATURE DEVICES TO DRIVE MARKET
TABLE 78 CLEANROOM TECHNOLOGIES MARKET FOR MEDICAL DEVICE MANUFACTURERS, BY COUNTRY, 2021–2028 (USD MILLION)
8.5 HOSPITALS
8.5.1 GROWING INFECTION RATES AND RISING NEED FOR STERILE OPERATING ENVIRONMENTS TO DRIVE MARKET
TABLE 79 CLEANROOM TECHNOLOGIES MARKET FOR HOSPITALS, BY COUNTRY, 2021–2028 (USD MILLION)
8.6 OTHER END USERS
TABLE 80 CLEANROOM TECHNOLOGIES MARKET FOR OTHER END USERS, BY COUNTRY, 2021–2028 (USD MILLION)

9 CLEANROOM TECHNOLOGIES MARKET, BY REGION

9.1 INTRODUCTION
FIGURE 29 REGIONAL SNAPSHOT: CLEANROOM TECHNOLOGIES MARKET (2023–2028)
TABLE 81 CLEANROOM TECHNOLOGIES MARKET, BY REGION, 2021–2028 (USD MILLION)
9.2 NORTH AMERICA
9.2.1 NORTH AMERICA: RECESSION IMPACT
FIGURE 30 NORTH AMERICA: CLEANROOM TECHNOLOGIES MARKET SNAPSHOT
TABLE 82 NORTH AMERICA: CLEANROOM TECHNOLOGIES MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
TABLE 83 NORTH AMERICA: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 84 NORTH AMERICA: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 85 NORTH AMERICA: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 86 NORTH AMERICA: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 87 NORTH AMERICA: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 88 NORTH AMERICA: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 89 NORTH AMERICA: CLEANROOM TECHNOLOGIES MARKET, BY TYPE,

2021–2028 (USD MILLION)
TABLE 90 NORTH AMERICA: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 91 NORTH AMERICA: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.2.2 US
9.2.2.1 Presence of major market players and increased demand for smart technologies to drive market
TABLE 92 US: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 93 US: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 94 US: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 95 US: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 96 US: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 97 US: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 98 US: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 99 US: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 100 US: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.2.3 CANADA
9.2.3.1 Growing use of cleanrooms in hospitals and rising implementation of strict government regulations to drive market
TABLE 101 CANADA: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 102 CANADA: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 103 CANADA: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 104 CANADA: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 105 CANADA: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 106 CANADA: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD

MILLION)
TABLE 107 CANADA: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 108 CANADA: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 109 CANADA: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.3 EUROPE
9.3.1 EUROPE: RECESSION IMPACT
TABLE 110 EUROPE: CLEANROOM TECHNOLOGIES MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
TABLE 111 EUROPE: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 112 EUROPE: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 113 EUROPE: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 114 EUROPE: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 115 EUROPE: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 116 EUROPE: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 117 EUROPE: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 118 EUROPE: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 119 EUROPE: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.3.2 GERMANY
9.3.2.1 Increased pharmaceutical production and growth in R&D expenditure to drive market
TABLE 120 GERMANY: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 121 GERMANY: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 122 GERMANY: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 123 GERMANY: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028

(USD MILLION)
TABLE 124 GERMANY: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 125 GERMANY: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 126 GERMANY: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 127 GERMANY: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 128 GERMANY: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.3.3 FRANCE
9.3.3.1 Increasing focus on clinical research and new drug development to drive market
TABLE 129 FRANCE: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 130 FRANCE: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 131 FRANCE: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 132 FRANCE: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 133 FRANCE: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 134 FRANCE: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 135 FRANCE: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 136 FRANCE: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 137 FRANCE: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.3.4 UK
9.3.4.1 Stringent government regulations regarding contamination control to drive market
TABLE 138 UK: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 139 UK: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)

TABLE 140 UK: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 141 UK: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 142 UK: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 143 UK: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 144 UK: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 145 UK: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 146 UK: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.3.5 ITALY
9.3.5.1 Increasing focus on expanding drug manufacturing capabilities to drive market
TABLE 147 ITALY: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 148 ITALY: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 149 ITALY: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 150 ITALY: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 151 ITALY: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 152 ITALY: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 153 ITALY: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 154 ITALY: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 155 ITALY: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.3.6 SPAIN
9.3.6.1 Growing government focus on strengthening healthcare system to drive market
TABLE 156 SPAIN: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 157 SPAIN: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY

TYPE, 2021–2028 (USD MILLION)
TABLE 158 SPAIN: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 159 SPAIN: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 160 SPAIN: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 161 SPAIN: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 162 SPAIN: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 163 SPAIN: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 164 SPAIN: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.3.7 REST OF EUROPE
TABLE 165 REST OF EUROPE: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 166 REST OF EUROPE: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 167 REST OF EUROPE: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 168 REST OF EUROPE: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 169 REST OF EUROPE: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 170 REST OF EUROPE: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 171 REST OF EUROPE: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 172 REST OF EUROPE: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 173 REST OF EUROPE: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.4 ASIA PACIFIC
9.4.1 ASIA PACIFIC: RECESSION IMPACT
FIGURE 31 ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET SNAPSHOT
TABLE 174 ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
TABLE 175 ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT,

2021–2028 (USD MILLION)
TABLE 176 ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 177 ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 178 ASIA PACIFIC: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 179 ASIA PACIFIC: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 180 ASIA PACIFIC: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 181 ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 182 ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 183 ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.4.2 CHINA
9.4.2.1 Increasing efforts and focus on minimizing hospital-acquired infections to drive market
TABLE 184 CHINA: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 185 CHINA: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 186 CHINA: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 187 CHINA: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 188 CHINA: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 189 CHINA: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 190 CHINA: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 191 CHINA: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 192 CHINA: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.4.3 JAPAN

9.4.3.1 Presence of prominent residential air purifier market players to drive market
TABLE 193 JAPAN: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 194 JAPAN: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 195 JAPAN: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 196 JAPAN: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 197 JAPAN: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 198 JAPAN: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 199 JAPAN: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 200 JAPAN: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 201 JAPAN: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.4.4 INDIA
9.4.4.1 Increasing government initiatives for healthcare infrastructure improvement to drive market
TABLE 202 INDIA: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 203 INDIA: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 204 INDIA: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 205 INDIA: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 206 INDIA: CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 207 INDIA: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 208 INDIA: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 209 INDIA: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 210 INDIA: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.4.5 AUSTRALIA

9.4.5.1 Growing pharmaceutical and biotechnology sectors to drive market
TABLE 211 AUSTRALIA: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 212 AUSTRALIA: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 213 AUSTRALIA: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 214 AUSTRALIA: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 215 AUSTRALIA: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 216 AUSTRALIA: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 217 AUSTRALIA: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 218 AUSTRALIA: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 219 AUSTRALIA: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.4.6 SOUTH KOREA
9.4.6.1 High growth in hospital and pharmaceutical sectors with increased R&D investments to drive market
TABLE 220 SOUTH KOREA: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 221 SOUTH KOREA: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 222 SOUTH KOREA: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 223 SOUTH KOREA: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 224 SOUTH KOREA: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 225 SOUTH KOREA: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 226 SOUTH KOREA: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 227 SOUTH KOREA: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 228 SOUTH KOREA: CLEANROOM TECHNOLOGIES MARKET, BY END

USER, 2021–2028 (USD MILLION)
9.4.7 REST OF ASIA PACIFIC
TABLE 229 REST OF ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 230 REST OF ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 231 REST OF ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 232 REST OF ASIA PACIFIC: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 233 REST OF ASIA PACIFIC: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 234 REST OF ASIA PACIFIC: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 235 REST OF ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 236 REST OF ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 237 REST OF ASIA PACIFIC: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.5 LATIN AMERICA
9.5.1 LATIN AMERICA: RECESSION IMPACT
TABLE 238 LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
TABLE 239 LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 240 LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 241 LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 242 LATIN AMERICA: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 243 LATIN AMERICA: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 244 LATIN AMERICA: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 245 LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 246 LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET FOR

MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 247 LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.5.2 BRAZIL
9.5.2.1 Rising demand for quality treatment and growing focus on pharmaceutical drug development to drive market
TABLE 248 BRAZIL: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 249 BRAZIL: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 250 BRAZIL: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 251 BRAZIL: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 252 BRAZIL: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 253 BRAZIL: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 254 BRAZIL: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 255 BRAZIL: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 256 BRAZIL: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.5.3 MEXICO
9.5.3.1 Increasing number of green building initiatives and rising levels of carbon emission to drive market
TABLE 257 MEXICO: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 258 MEXICO: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 259 MEXICO: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 260 MEXICO: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 261 MEXICO: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 262 MEXICO: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

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TABLE 263 MEXICO: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 264 MEXICO: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 265 MEXICO: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.5.4 REST OF LATIN AMERICA
TABLE 266 REST OF LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 267 REST OF LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 268 REST OF LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 269 REST OF LATIN AMERICA: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 270 REST OF LATIN AMERICA: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 271 REST OF LATIN AMERICA: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 272 REST OF LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 273 REST OF LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 274 REST OF LATIN AMERICA: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)
9.6 MIDDLE EAST & AFRICA
9.6.1 INCREASING GOVERNMENT FOCUS ON HEALTHCARE INFRASTRUCTURE IMPROVEMENT TO DRIVE MARKET
9.6.2 MIDDLE EAST & AFRICA: RECESSION IMPACT
TABLE 275 MIDDLE EAST & AFRICA: CLEANROOM TECHNOLOGIES MARKET, BY PRODUCT, 2021–2028 (USD MILLION)
TABLE 276 MIDDLE EAST & AFRICA: CLEANROOM TECHNOLOGIES MARKET FOR EQUIPMENT, BY TYPE, 2021–2028 (USD MILLION)
TABLE 277 MIDDLE EAST & AFRICA: CLEANROOM TECHNOLOGIES MARKET FOR CONSUMABLES, BY TYPE, 2021–2028 (USD MILLION)
TABLE 278 MIDDLE EAST & AFRICA: SAFETY CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 279 MIDDLE EAST & AFRICA: CLEANING CONSUMABLES MARKET, BY TYPE, 2021–2028 (USD MILLION)

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TABLE 280 MIDDLE EAST & AFRICA: DISINFECTANTS MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 281 MIDDLE EAST & AFRICA: CLEANROOM TECHNOLOGIES MARKET, BY TYPE, 2021–2028 (USD MILLION)
TABLE 282 MIDDLE EAST & AFRICA: CLEANROOM TECHNOLOGIES MARKET FOR MODULAR CLEANROOMS, BY TYPE, 2021–2028 (USD MILLION)
TABLE 283 MIDDLE EAST & AFRICA: CLEANROOM TECHNOLOGIES MARKET, BY END USER, 2021–2028 (USD MILLION)

10 COMPETITIVE LANDSCAPE

10.1 OVERVIEW
10.2 MAJOR STRATEGIES ADOPTED BY KEY PLAYERS
TABLE 284 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN CLEANROOM TECHNOLOGIES MARKET
10.3 REVENUE SHARE ANALYSIS OF KEY MARKET PLAYERS
FIGURE 32 REVENUE ANALYSIS OF KEY PLAYERS IN CLEANROOM TECHNOLOGIES MARKET
10.4 MARKET SHARE ANALYSIS
FIGURE 33 CLEANROOM TECHNOLOGIES MARKET SHARE, BY KEY PLAYER, 2022
TABLE 285 CLEANROOM TECHNOLOGIES MARKET: DEGREE OF COMPETITION
10.5 COMPANY FOOTPRINT OF KEY PLAYERS IN CLEANROOM TECHNOLOGIES MARKET
TABLE 286 FOOTPRINT OF MAJOR COMPANIES IN CLEANROOM TECHNOLOGIES MARKET
TABLE 287 PRODUCT FOOTPRINT OF COMPANIES (20 COMPANIES)
TABLE 288 END USER FOOTPRINT OF COMPANIES (20 COMPANIES)
TABLE 289 REGIONAL FOOTPRINT OF COMPANIES (20 COMPANIES)
10.6 COMPANY EVALUATION MATRIX FOR KEY PLAYERS
  10.6.1 STARS
  10.6.2 EMERGING LEADERS
  10.6.3 PERVASIVE PLAYERS
  10.6.4 PARTICIPANTS
FIGURE 34 CLEANROOM TECHNOLOGIES MARKET: COMPANY EVALUATION MATRIX FOR KEY PLAYERS (2022)
10.7 COMPANY EVALUATION MATRIX FOR START-UPS/ SMES
  10.7.1 PROGRESSIVE COMPANIES
  10.7.2 DYNAMIC COMPANIES

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10.7.3 STARTING BLOCKS
10.7.4 RESPONSIVE COMPANIES
FIGURE 35 CLEANROOM TECHNOLOGIES MARKET: COMPANY EVALUATION MATRIX FOR START-UPS/SMES (2022)
10.8 COMPETITIVE SCENARIOS AND TRENDS
10.8.1 KEY PRODUCT/SERVICE APPROVALS
TABLE 290 KEY PRODUCT/SERVICE APPROVALS, JANUARY 2020–JULY 2023
10.8.2 KEY DEALS
TABLE 291 KEY DEALS, JANUARY 2020–JULY 2023
10.8.3 OTHER KEY DEVELOPMENTS
TABLE 292 OTHER KEY DEVELOPMENTS, JANUARY 2020–JULY 2023

11 COMPANY PROFILES

11.1 KEY PLAYERS
(Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*
11.1.1 EXYTE GMBH
TABLE 293 EXYTE GMBH: COMPANY OVERVIEW
FIGURE 36 EXYTE GMBH: COMPANY SNAPSHOT (2022)
11.1.2 KIMBERLY-CLARK CORPORATION
TABLE 294 KIMBERLY-CLARK CORPORATION: COMPANY OVERVIEW
FIGURE 37 KIMBERLY-CLARK CORPORATION: COMPANY SNAPSHOT (2022)
11.1.3 ILLINOIS TOOL WORKS INC.
TABLE 295 ILLINOIS TOOL WORKS INC.: COMPANY OVERVIEW
FIGURE 38 ILLINOIS TOOL WORKS INC.: COMPANY SNAPSHOT (2022)
11.1.4 AZBIL CORPORATION
TABLE 296 AZBIL CORPORATION: COMPANY OVERVIEW
FIGURE 39 AZBIL CORPORATION: COMPANY SNAPSHOT (2023)
11.1.5 THE BOUYGUES GROUP
TABLE 297 THE BOUYGUES GROUP: COMPANY OVERVIEW
FIGURE 40 THE BOUYGUES GROUP: COMPANY SNAPSHOT (2022)
11.1.6 DUPONT DE NEMOURS, INC.
TABLE 298 DUPONT DE NEMOURS, INC.: COMPANY OVERVIEW
FIGURE 41 DUPONT DE NEMOURS, INC.: COMPANY SNAPSHOT (2022)
11.1.7 ARDMAC
TABLE 299 ARDMAC: COMPANY OVERVIEW
11.1.8 CLEAN AIR PRODUCTS

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TABLE 300 CLEAN AIR PRODUCTS: COMPANY OVERVIEW
11.1.9 LABCONCO
TABLE 301 LABCONCO: COMPANY OVERVIEW
11.1.10 DYNAREX CORPORATION
TABLE 302 DYNAREX CORPORATION: COMPANY OVERVIEW
11.1.11 COLANDIS GMBH
TABLE 303 COLANDIS GMBH: COMPANY OVERVIEW
11.1.12 ABN CLEANROOM TECHNOLOGY
TABLE 304 ABN CLEANROOM TECHNOLOGY: COMPANY OVERVIEW
11.1.13 CLEAN ROOMS INTERNATIONAL, INC.
TABLE 305 CLEAN ROOMS INTERNATIONAL, INC.: COMPANY OVERVIEW
11.1.14 TERRA UNIVERSAL, INC.
TABLE 306 TERRA UNIVERSAL, INC.: COMPANY OVERVIEW
11.1.15 AIRTECH JAPAN, LTD.
TABLE 307 AIRTECH JAPAN LTD.: COMPANY OVERVIEW
11.1.16 TAIKISHA LTD.
TABLE 308 TAIKISHA LTD.: COMPANY OVERVIEW
FIGURE 42 TAIKISHA LTD.: COMPANY SNAPSHOT (2023)
11.1.17 ANGSTROM TECHNOLOGY
TABLE 309 ANGSTROM TECHNOLOGY: COMPANY OVERVIEW
11.1.18 OCTANORM-VERTRIEBS-GMBH
TABLE 310 OCTANORM-VERTRIEBS-GMBH: COMPANY OVERVIEW
11.1.19 CAMFIL
TABLE 311 CAMFIL: COMPANY OVERVIEW
11.1.20 PARTECO SRL
TABLE 312 PARTECO SRL: COMPANY OVERVIEW
11.2 OTHER PLAYERS
11.2.1 BERKSHIRE CORPORATION
11.2.2 AIRPLAN
11.2.3 CLEAN AIR TECHNOLOGY, INC.
11.2.4 WEISS TECHNIK (A SCHUNK COMPANY)
11.2.5 ATLAS ENVIRONMENTS, LTD.
*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies

12 APPENDIX

12.1 DISCUSSION GUIDE

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12.2 KNOWLEDGESTORE: MARKETSANDMARKETS’ SUBSCRIPTION PORTAL
12.3 CUSTOMIZATION OPTIONS
12.4 RELATED REPORTS
12.5 AUTHOR DETAILS

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