

Europe Veterinary 3D Printing Market Size, Share & Trends Analysis Report By Product (Implants, Masks), By Animal (Dogs, Cats), By Application (Orthopedics, Surgical Planning), By Material (Metals, Ceramics), By End-use, By Country, And Segment Forecasts, 2025 - 2030

<https://marketpublishers.com/r/EB6DB1FDF7E3EN.html>

Date: March 2025

Pages: 154

Price: US\$ 5,950.00 (Single User License)

ID: EB6DB1FDF7E3EN

Abstracts

This report can be delivered to the clients within 3 Business Days

Europe Veterinary 3D Printing Market Growth & Trends

The Europe veterinary 3D printing market size is anticipated to reach USD 73.9 million by 2030, registering a CAGR of 10.2% from 2025 to 2030, according to a new report by Grand View Research, Inc. One of the most dynamic emerging factors affecting the market is the emerging usage of 3D printing in developing veterinary drugs. Although still in the research stage, the application of this technology is being actively studied by many researchers worldwide.

According to an article in Pharma Excipients, 3D printing is being explored to create tailored veterinary drugs, addressing the limitations of traditional one-size-fits-all medications for animals. A joint-collaboration between researchers from around the globe, a research study is focusing on developing a once-daily, dual-release tablet for cats and dogs using semi-solid extrusion (SSE) 3D printing, specifically for Metoclopramide (MCP), a common anti-nausea drug. The dual-release system aims to provide both rapid onset and sustained action, reducing the frequency of administration needed due to MCP's short half-life. They successfully created different-sized tablets with tailored doses, demonstrating a strong correlation between the design and drug amount. These tablets

contained cellulosic polymers to control drug release, with dissolution studies showing the impact of polymer combinations and tablet surface area on release profiles.

SSE 3D printing allows for precise dosing and customization of release profiles by altering tablet structures and geometries. The technology is suitable for thermo-sensitive ingredients and minimizes contamination risk compared to traditional methods. Including liver powder in the immediate-release formulation enhances palatability, making the tablets more pet-friendly. This approach offers the potential to revolutionize veterinary medicine by providing customized treatments, improving patient compliance, and optimizing treatment outcomes. The study highlights the practical use of SSE 3D printing in developing precise and pet-friendly tailored tablets, offering enhanced treatment options for small animals close to the point of care.

The use of 3D printing in veterinary medicine has the potential to enable precision in drug formulations and address the unique needs of each animal, overcoming the limitations of standardized medications. It has the potential to provide on-demand production of customized dosages close to the point of care, improving treatment accuracy and reducing preparation errors. Integrating innovative drug delivery systems like dual-release tablets can optimize therapeutic outcomes while minimizing dosing frequency. 3D printing can revolutionize veterinary pharmacology by providing flexible, efficient, and patient-specific solutions.

Europe Veterinary 3D Printing Market Report Highlights

Based on product, the implants segment held the highest market share of 31.96% in 2024. This segment includes 3D-printed veterinary implants such as TPLO and TPLA, which are increasingly popular due to their ability to be customized for diverse animal anatomies, improving surgical precision and outcomes.

The other animal segment, encompassing animals such as horses, turtles, birds, and livestock, is expected to grow at a CAGR exceeding 12% during the forecast period. This rapid expansion is driven by the increasing use of 3D printing to treat various conditions and the emergence of specialized companies that develop 3D-printed products tailored to specific species.

Based on application, the surgical planning segment is projected

experience the fastest CAGR during the forecast period, due to the benefits of 3D printing. This technology allows for creating patient-specific anatomical models, enhances the visualization of complex structures, and enables customized surgical instruments and guides. Veterinarians can thoroughly study fractures or deformities, pre-contour implants, and rehearse surgical steps, reducing complications and improving outcomes.

The UK held the largest market share of more than 24% in 2024. The country's dominance can be attributed to factors such as the active involvement of veterinary practices in utilizing 3D printing technology to help resolve animal health problems and researchers fostering an innovative spirit to help improve upon the existing products.

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation and Scope
- 1.2. Research Methodology
- 1.3. Information Procurement
 - 1.3.1. Purchased Database
 - 1.3.2. GVR's Internal Database
 - 1.3.3. Secondary Sources
 - 1.3.4. Primary Research
- 1.4. Information/Data Analysis
- 1.5. Market Formulation & Visualization
- 1.6. Data Validation & Publishing
- 1.7. Model Details
 - 1.7.1. Commodity flow analysis
 - 1.7.2. Europe Market: CAGR Calculation
- 1.8. List of Secondary Sources

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segment Outlook
- 2.3. Competitive Insights

CHAPTER 3. VETERINARY 3D PRINTING MARKET VARIABLE TRENDS & SCOPE

- 3.1. Market Lineage Outlook
 - 3.1.1. Parent Market
 - 3.1.2. Ancillary Market
- 3.2. Market Dynamics
 - 3.2.1. Market Driver Analysis
 - 3.2.1.1. Rising Integration of 3D Printing in Veterinary Practice
 - 3.2.1.2. Initiatives by Veterinary Institutions to Promote Use of Advanced Technologies
 - 3.2.1.3. Emerging Application in Veterinary Education & Drug Development.
 - 3.2.1.4. Increasing Penetration of 3D Printing Technology into Multiple Species
 - 3.2.2. Market Restraint Analysis
 - 3.2.2.1. Time Consuming Process of 3D Printing

- 3.2.2.2. High Costs
- 3.2.3. Market Opportunity Analysis
- 3.2.4. Market Challenge Analysis
- 3.3. Veterinary 3D Printing Market Analysis Tools
 - 3.3.1. Industry Analysis - Porter's
 - 3.3.1.1. Bargaining power of suppliers
 - 3.3.1.2. Bargaining power of buyers
 - 3.3.1.3. Threat of substitution
 - 3.3.1.4. Threat of new entrants
 - 3.3.1.5. Competitive rivalry
 - 3.3.2. PESTEL Analysis
 - 3.3.2.1. Political & Legal Landscape
 - 3.3.2.2. Economic and Social Landscape
 - 3.3.2.3. Technological landscape
 - 3.3.2.4. Environmental Landscape
 - 3.3.3. Regulatory Framework
 - 3.3.4. Estimated Animal Population, by Key Countries and Key Species, 2018-2024
 - 3.3.5. Technology Evolution Analysis
 - 3.3.6. Pricing Analysis, by Product
 - 3.3.7. End User Perception Analysis
 - 3.3.7.1. Veterinary Professionals
 - 3.3.7.2. Animal Owners

CHAPTER 4. VETERINARY 3D PRINTING MARKET: PRODUCT ESTIMATES & TREND ANALYSIS

- 4.1. Segment Dashboard
- 4.2. Veterinary 3D Printing Market Product Movement Analysis
- 4.3. Veterinary 3D Printing Market Size & Trend Analysis, By Product, 2018 - 2030 (USD Million)
 - 4.3.1. Implants
 - 4.3.1.1. Market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.3.2. Prosthetics & Orthotics
 - 4.3.2.1. Market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.3.3. Anatomical models
 - 4.3.3.1. Market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.3.4. Masks
 - 4.3.4.1. Market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 5. VETERINARY 3D PRINTING MARKET: ANIMAL ESTIMATES & TREND ANALYSIS

5.1. Segment Dashboard

5.2. Veterinary 3D Printing Market Animal Movement Analysis

5.3. Veterinary 3D Printing Market Size & Trend Analysis, By Animal, 2018 - 2030 (USD Million)

5.3.1. Dogs

5.3.1.1. Market estimates and forecasts 2018 to 2030 (USD Million)

5.3.2. Cats

5.3.2.1. Market estimates and forecasts 2018 to 2030 (USD Million)

5.3.3. Other Animals

5.3.3.1. Market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 6. VETERINARY 3D PRINTING MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

6.1. Segment Dashboard

6.2. Veterinary 3D Printing Market Application Movement Analysis

6.3. Veterinary 3D Printing Market Size & Trend Analysis, By Application, 2018 - 2030 (USD Million)

6.3.1. Orthopedics

6.3.1.1. Market estimates and forecasts 2018 to 2030 (USD Million)

6.3.2. Surgical Planning

6.3.2.1. Market estimates and forecasts 2018 to 2030 (USD Million)

6.3.3. Other Applications

6.3.3.1. Market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 7. VETERINARY 3D PRINTING MARKET: MATERIAL ESTIMATES & TREND ANALYSIS

7.1. Segment Dashboard

7.2. Veterinary 3D Printing Market Material Movement Analysis

7.3. Veterinary 3D Printing Market Size & Trend Analysis, By Material, 2018 - 2030 (USD Million)

7.3.1. Metals

7.3.1.1. Market estimates and forecasts 2018 to 2030 (USD Million)

7.3.2. Ceramics

7.3.2.1. Market estimates and forecasts 2018 to 2030 (USD Million)

7.3.3. Polymers

7.3.3.1. Market estimates and forecasts 2018 to 2030 (USD Million)

7.3.4. Other Materials

7.3.4.1. Market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 8. VETERINARY 3D PRINTING MARKET: END USE ESTIMATES & TREND ANALYSIS

8.1. Segment Dashboard

8.2. Veterinary 3D Printing Market End Use Movement Analysis

8.3. Veterinary 3D Printing Market Size & Trend Analysis, By End Use, 2018 - 2030 (USD Million)

8.3.1. Hospitals & Clinics

8.3.1.1. Market estimates and forecasts 2018 to 2030 (USD Million)

8.3.2. Academic & Research Institutions

8.3.2.1. Market estimates and forecasts 2018 to 2030 (USD Million)

8.3.3. Other End Use

8.3.3.1. Market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 9. VETERINARY 3D PRINTING MARKET: COUNTRY ESTIMATES & TREND ANALYSIS, BY PRODUCT, ANIMAL, APPLICATIONS, MATERIALS, & END USE

9.1. Country Dashboard

9.2. Veterinary 3D Printing Market Share, By Country, 2024 & 2030, USD Million

9.3. Country Outlook

9.4. UK

9.4.1. Key Country Dynamics

9.4.2. UK Veterinary 3D Printing Market Estimates And Forecasts, 2018 - 2030 (USD Million)

9.5. Germany

9.5.1. Key Country Dynamics

9.5.2. Germany Veterinary 3D Printing Market Estimates And Forecasts, 2018 - 2030 (USD Million)

9.6. France

9.6.1. Key Country Dynamics

9.6.2. France Veterinary 3D Printing Market Estimates And Forecasts, 2018 - 2030 (USD Million)

9.7. Italy

- 9.7.1. Key Country Dynamics
- 9.7.2. Italy Veterinary 3D Printing Market Estimates And Forecasts, 2018 - 2030 (USD Million)
- 9.8. Spain
 - 9.8.1. Key Country Dynamics
 - 9.8.2. Spain Veterinary 3D Printing Market Estimates And Forecasts, 2018 - 2030 (USD Million)
- 9.9. Denmark
 - 9.9.1. Key Country Dynamics
 - 9.9.2. Denmark Veterinary 3D Printing Market Estimates And Forecasts, 2018 - 2030 (USD Million)
- 9.10. Sweden
 - 9.10.1. Key Country Dynamics
 - 9.10.2. Sweden Veterinary 3D Printing Market Estimates And Forecasts, 2018 - 2030 (USD Million)
- 9.11. Norway
 - 9.11.1. Key Country Dynamics
 - 9.11.2. Norway Veterinary 3D Printing Market Estimates And Forecasts, 2018 - 2030 (USD Million)

CHAPTER 10. COMPETITIVE LANDSCAPE

- 10.1. Market Participant Categorization
- 10.2. Market Position Analysis, 2024 (Heat Map Analysis)
- 10.3. Strategy Mapping
 - 10.3.1. MERGERS AND ACQUISITIONS
 - 10.3.2. LAUNCH
 - 10.3.3. PARTNERSHIPS & COLLABORATIONS
 - 10.3.4. EXPANSION
 - 10.3.5. OTHERS
- 10.4. Company Profiles
 - 10.4.1. Participants Overview
 - 10.4.2. Financial Performance
 - 10.4.3. Product Benchmarking
 - 10.4.4. Strategic Mapping
- 10.5. Key Companies
 - 10.5.1. bio3Dvet
 - 10.5.2. WIMBA
 - 10.5.3. Vimian

- 10.5.4. 3D Systems Inc.
- 10.5.5. OrthoDesigns
- 10.5.6. Ortho Vet 3D
- 10.5.7. r3volutionD AG
- 10.5.8. CABIOMEDE Vet
- 10.5.9. Vet 3D
- 10.5.10. Materialise
- 10.5.11. Formlabs
- 10.6. List of Other Key Market Players

CHAPTER 11. KEY TAKEAWAYS

I would like to order

Product name: Europe Veterinary 3D Printing Market Size, Share & Trends Analysis Report By Product (Implants, Masks), By Animal (Dogs, Cats), By Application (Orthopedics, Surgical Planning), By Material (Metals, Ceramics), By End-use, By Country, And Segment Forecasts, 2025 - 2030

Product link: <https://marketpublishers.com/r/EB6DB1FDF7E3EN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/EB6DB1FDF7E3EN.html>