

bestat Launches 3D Measurement Service and Significantly Expands Capabilities of “3D.Core” for Point Cloud Processing

View 100GB+ point cloud data on your laptop—end-to-end support from 3D scanning to data utilization

bestat Inc. (Headquarters: Bunkyo-ku, Tokyo; CEO: Naoko Matsuda), a company specializing in 3D data processing, has officially launched its 3D measurement services for capturing point cloud data in environments such as infrastructure and factories. Alongside this, bestat has released a major upgrade to its cloud-based 3D data processing platform, “3D.Core,” adding seven new features including noise cancellation, mesh conversion with measurement capabilities, and a web-based point cloud viewer.

With these new offerings, bestat provides comprehensive, end-to-end support for everything from 3D scanning to point cloud processing, viewing, and utilization—helping drive digital twin initiatives and overcome the common challenges of working with 3D data.

We will also be hosting a webinar on Tuesday, August 26, from 12:10 PM to 12:50 PM (JST) to introduce the newly released point cloud processing features. We hope you can join us.

[Click here to register](#)



Growing Adoption of Point Cloud Data—But Challenges Remain

In recent years, the use of point cloud data (high-precision spatial information obtained via 3D scanning) has rapidly expanded in infrastructure, construction, and manufacturing sectors. This growth is driven by major societal and technological shifts.

During the COVID-19 pandemic, “remote site monitoring” became widespread, allowing stakeholders to inspect job sites without physical presence. This trend, along with government initiatives from the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) to promote 3D scanner adoption, has accelerated digitization across industries. The falling prices of handheld scanners have made 3D scanning more accessible to small businesses and frontline workers since around 2023.

Additionally, the industry-wide shortage of skilled labor has increased the demand for automation and efficiency. As a result, point cloud data has evolved from a tool for experts into a practical, everyday resource on the job site.

However, one major barrier remains: point cloud data is notoriously difficult to handle. Individual files often exceed 10GB or even 100GB, requiring high-spec computers and long processing times. Even after capturing the data, quality and usability are often insufficient, making it difficult to extract real value. This leads to inefficiencies, as experts must spend excessive time on 3D scanning and processing—outside their core responsibilities.

Source: 国土交通省『多様な3次元点群データの整備及び活用について』、令和6年1月
<https://www.mlit.go.jp/sogoseisaku/soukou/content/001721943.pdf>

A One-Stop Platform for 3D Scanning, Processing, and Utilization

To address these challenges, bestat now offers both a 3D measurement service and a major expansion of 3D.Core’s point cloud capabilities:

1. 3D Measurement Services

We provide end-to-end 3D scanning services by taking over field data acquisition previously performed by our clients. Our point cloud capture helps reduce on-site workload and enables effective downstream data utilization.

2. New Features in “3D.Core”

2-1. Web-based Point Cloud Viewer

Even 100GB+ datasets can be viewed smoothly in a browser without software installation. Supports various devices—laptops, tablets, etc.—ideal for both onsite and remote use.

2-2. Easy Data Sharing

Share viewer links with team members and stakeholders instantly, eliminating the need to transfer heavy files.

2-3. Data Compression

Compress large point cloud files by up to 90% without compromising detail—greatly reducing storage and transfer burden.

2-4. Mesh Conversion

Convert point cloud data into mesh format, enabling clearer shape recognition and facilitating CAD usage.

2-5. CAD-ready Conversion

Transform point cloud data into STEP or STL formats with pre-processing (e.g., smoothing) for seamless integration into CAD workflows, particularly useful for renovation or retrofit projects.

2-6. Rectangularization (Shape Completion)

Automatically fill in missing areas obscured during scanning—helping users understand the full shape more intuitively.

2-7. Advanced Noise Cancellation

Utilize cutting-edge AI algorithms to eliminate noise such as “point cloud thickness,” producing high-fidelity models with precision beyond conventional software.

With these additions, bestat aims to make point cloud processing and 3D data usage more accessible and practical—especially in manufacturing, infrastructure, and construction. Our mission is to enhance productivity and operational efficiency, contributing to the evolution of Japan’s manufacturing and public infrastructure.

Contact Us

For inquiries about our 3D measurement service or the new features in 3D.Core, please contact:

info@bestat-data.com (Attn: Matsuda, Kashimada)

3D.Core:High-Precision 3D Model Generation Using Proprietary Algorithms

3D.Core is a cloud-based service that enables anyone to easily generate, manage, and utilize 3D data for digital twins in a one-stop workflow. Developed using proprietary algorithms from the University of Tokyo (patented), the platform allows for effortless creation of high-fidelity 3D data, delivering significant business impact through daily digital twin applications.

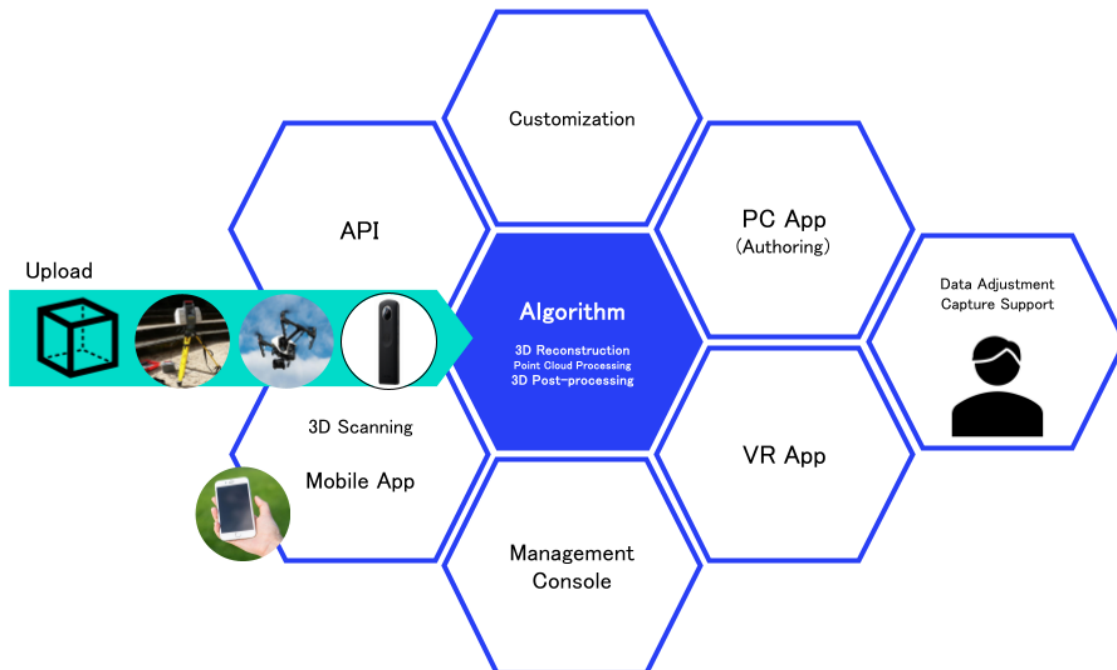
Unified 3D Data Management & Utilization Across CAD/VR

Traditionally, creating detailed 3D data was time-consuming and costly, limiting frequent use despite its benefits.

3D.Core solves this with:

- A lightweight 3D viewer for multi-device access (even with large data volumes)
- Conversion from point cloud to mesh, and mesh to CAD-readable formats
- Automatic transformation to VR-compatible formats for instant visualization

This streamlines 3D data operations and eliminates friction in digital twin usage.



Company Profile

bestat Inc.

- CEO: Dr.Naoko Matsuda
- Founded: 2018
- Head Office: 6-25-14 Hongo, Bunkyo-ku, Tokyo 113-0033
- Business Activities:
 - Provision of “3D.Core” – a cloud service for 3D data generation, management, and utilization
 - 3D data processing APIs
 - Digital twin development
- Website: <https://bestat-data.com/>

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