

TECHNICAL DATASHEET

AESUBdots retro easy



Product Overview

Product Name:

AESUBdots Retro easy

Product Type:

Retroreflective Reference Markers /
Target Dots for 3D Scanning

Manufacturer / Brand: AESUB

Product Family:

Reference Points / Scanning Targets

Typical Use: Marking and referencing 3D objects for digitization with laser or structured-light scanners.



Product Description

AESUBdots Retro easy are **self-adhesive retroreflective reference points** designed for use in optical 3D scanning workflows.

They serve as stable physical markers that improve alignment, tracking, and reconstruction accuracy during the digitization of three-dimensional objects with laser light or structured light scanners.

Key characteristics include strong adhesion, retroreflective detection, and easy deployment in scanning environments where surface contrast or geometry may be challenging.

They are compatible with AESUB's vanishing scanning sprays and are supplied on a perforated roll for efficient application.

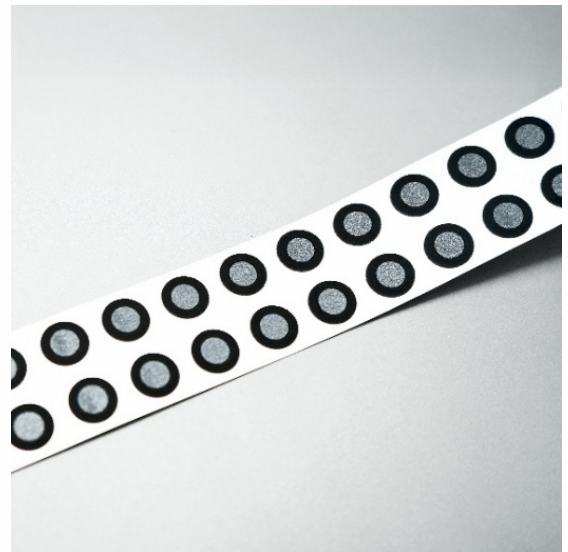


Key Features

- **Retroreflective:** Provides strong return signal for laser-light scanners.
- **Self-adhesive:** Normal-tack adhesive ensures secure placement on sprayed surfaces. Specs
- **Roll format:** 3000 pieces per roll (per diameter variant)
- **Dual-lane layout:** Two parallel tracks of dots per roll for ease of application.
- **Multi-diameter options:** Available in 3 mm, 6 mm, and 12 mm (1.500dots per roll) inner diameters.
- **Ideal for digitization:** Enhances referencing accuracy and robustness in 3D scanning processes.
- **Spray compatible:** Works effectively with all AESUB vanishing scanning sprays.

Specifications

Marker Type	Retroreflective Reference Target
Adhesive Type	Normal adhesion
Diameter (Inner)	3 mm, 6 mm, 12 mm
Quantity per Roll	~3000 pieces
Roll Layout	Two parallel lanes
Material	Retroreflective print / polymer on adhesive backing
Compatibility	Laser 3D scanners
Packaging Form	Coiled roll
Color / Visual	White with black retroreflective outer ring (typical)
SKU / Part Codes	Varies by diameter variant (e.g., AESD103 for 3 mm)
Industry Standards	Designed for optical reference detection systems
Storage	Store dry, moderate temperature
Country of Origin	EU / (Manufacturer region)





Applications

Primary Uses:

- Reference point placement for 3D scanning and digitization.
- Improving scan alignment, registration, and merge accuracy.
- Quality inspection and metrology workflows.
- Reverse engineering of complex parts.

Typical Industries:

- Automotive and aerospace inspection
- Heritage and cultural artifact digitization.
- Manufacturing and quality assurance.
- Prototyping and design verification.
- Medical device scanning and modelling.

Usage Notes

Preparation:

- Clean and, if needed, apply AESUB vanishing scanning spray to the surface to ensure contrast and adherence.
- Choose appropriate dot diameter for scanner resolution and object size.

Application:

- Unroll the perforated roll and tear off segments as needed.
- Press dots firmly onto target areas where the scanner will reliably detect reference points.

Scanning:

- Ensure even spacing and coverage suitable for object geometry.
- Avoid placing targets on high curvature that causes distortion.

Post-scan:

- Easy variants will remain adhered; removal may require careful peeling depending on surface and adhesive.
- Surface cleaning recommended where removal may leave adhesive residues.

Packaging & Contents

Standard Packaging Includes:

- 1 × Roll of AESUBdots Retro easy markers
- ~3000 individual reference dots per roll (size variant dependent)
- Perforated, two-lane arrangement on flexible backing.

Packaging may vary by distributor and region. Additional shipping labels or instructions provided by seller.
(comprise.de)



Compatibility

Compatible With:

- All common 3D scanners using laser light detection or structured light modalities.
- AESUB vanishing scanning sprays (for optimal surface preparation).
- Major handheld and structured scanning solutions in industrial workflows.
- Not limited to any single scanner brand; reflector targets are universally detectable with sufficient retroreflectivity. (comprise.de)

Safety & Handling

- Non-hazardous under normal use conditions.
- Avoid ingestion; not suitable for children.
- Adhesive backing may leave residue on sensitive surfaces — test on scrap material first.
- Store in a cool, dry environment away from direct sunlight.
- Dispose of used backing in appropriate waste stream; recycling varies by local regulations.

Ordering & Part Numbers

Available Variants (Typical):

- AESUBdots Retro easy – 3 mm — ~3000 markers/roll
- AESUBdots Retro easy – 6 mm — ~3000 markers/roll
- AESUBdots Retro easy – 12 mm — ~3000 markers/roll

Exact part numbers / EANs vary by reseller. For specific ordering codes, check distributor catalog or request from AESUB sales. (comprise.de)

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