



Your partner for scanning supplies!
















3D SCANNING SPRAYS & ACCESSORIES



aesub.com

AESUB Product Range I

Scanning Sprays

Product	AESUB Blue 	AESUB Orange 	AESUB Diamond 	AESUB White 	AESUB Transparent 	AESUB Green 	AESUB Yellow 
Delivery form:	 aerosol can 400 ml		 aerosol can 200 ml, 400 ml	 aerosol can 400 ml		 bulk 1 L, 5 L, 200 L	 bulk 200 ml
Measurement volume:	S-M	S-L	XS-S	S-XL	S-M	L-XL	XS-S
Application:							
Spraying distance:	15-20 cm		5-10 cm	15-20 cm			5-10 cm
Coating:	vanishing			permanent	vanishing		
Effective scan time:	1-2 h	4-8 h	10 min	permanent	1-2 h		2-4 h
Sublimation time:	4 h	12-24 h	15-30 min.	--	4 h	6 h	4-6 h
Colour:	white				transparent	white	
Contain pigments:	no			yes	no		
Contain titan dioxide:	no						
Layer thickness:	8-15 µm	2-6 µm	2 µm	7 µm	15-20 µm	10-20 µm	0.5-1 µm
Adhesion of reference points:	yes			no	yes		
Coverage area:	4 m ² / can		4 m ² / 400 ml 2 m ² / 200 ml	4 m ² / can		15 m ² / L	10 m ² / 200 ml
Optimal processing temperature	21°C (69.8°F)						
Shelf life:	5 years						
Packaging unit:	12 / box					6 x 1 L / box 5 L 200 L	12 / box

Are you missing a product?

Contact us, our development never stands still.



AESUB BLUE



- ✓ Disappearing state-of-the-art scanning spray
- ✓ Free of pigments – free of titanium dioxide
- ✓ Developed & approved by scanning experts
- ✓ No cleaning required
- ✓ Thin & homogeneous coating

AESUB blue is a self-vanishing scanning spray developed by scanning experts. The spray evaporates within a few hours, meaning that there is no need for cleaning after scanning. Unlike traditional sprays, AESUB blue does not contain pigments and thus avoids pigment-contamination of sensitive areas, such as laboratories and

production sites, equipment and users. You can therefore apply AESUB blue directly, on spot of scanning, without any costly transport to avoid said pigment contamination in sensitive areas. Overall, AESUB blue greatly increases efficiency and productivity within the digitizing processes

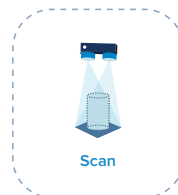
How to apply AESUB blue?


Layer thickness
~8-15 μm


Effective scan time
1-2 h


Free of TiO2


Delivery form
Aerosol can 400 ml





AESUB ORANGE



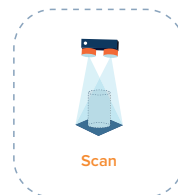
- ✓ Disappearing state-of-the-art scanning spray
- ✓ Free of pigments – free of titanium dioxide
- ✓ Long-lasting
- ✓ No cleaning required
- ✓ Thin & homogeneous coating
- ✓ Developed & approved by scanning experts

AESUB orange is a long-lasting self-volatilizing scanning spray developed by scanning experts. It eliminates basic application problems of 3D metrology, especially in sensitive areas (laboratories, production, etc.) and protects the equipment from contamination by deposition of pigments. Expensive transports of externally

matted measuring objects to the sensor as well as the time-consuming cleaning of the measuring environment and objects after scanning are no longer necessary. With AESUB orange, you achieve a significant increase in efficiency and productivity in the entire digitization process.

How to apply AESUB orange?

- **Layer thickness**
~2-6 μm
- **Effective scan time**
4-8 h
- **Free of TiO₂**
- **Delivery form**
Aerosol can 400 ml





AESUB DIAMOND



- ✓ Disappearing state-of-the-art scanning spray for the jewellery industry
- ✓ Free of pigments – free of titanium dioxide
- ✓ Thin & homogenous white coating
- ✓ Developed & approved by scanning experts
- ✓ No cleaning required

AESUB diamond is a cutting-edge solution tailored for the jewellery industry. Developed by scanning experts, AESUB diamond is a revolutionary self-vanishing scanning spray designed to enhance your scanning experience.

Unlike conventional sprays, AESUB diamond is pigment-free, ensuring zero pigment contamination in crucial areas like scanner, equipment, and users. With its unique formulation, AESUB diamond eliminates the need for cleaning after scanning, as it naturally evaporates within abt. 10 minutes.

This means you can scan rings and other jewellery items, applying AESUB diamond directly on the spot, without worrying about transporting them to prevent pigment contamination.

By choosing AESUB diamond, you're not just investing in a product; you're investing in efficiency and productivity. Experience seamless digitizing processes, streamline your workflow, and elevate your productivity to new heights. AESUB diamond is the ultimate solution for efficient and hassle-free scanning in the jewellery industry.

How to apply AESUB diamond?



Layer thickness
~2 μ m



Effective scan time
10 min



Free of TiO₂



Delivery form

Aerosol can 200 ml & 400 ml



Spray



Scan



evaporates
within 10-20 min

Done



AESUB WHITE



- ✓ Permanent scanning spray
- ✓ Free of titanium dioxide
- ✓ Developed & approved by scanning experts
- ✓ Contains pigments
- ✓ Thin & homogeneous coating

AESUB white is a permanent scanning spray developed by scanning experts. It is the result of consistent further development of permanent scanning sprays. The spray applies a homogeneous, thin matting layer onto the surface of the object. It is developed for optimal contrast values in optical scanning applications. AESUB white contains pigments,

propellant and solvent and has been optimized with regards to material compatibility. AESUB white sets new standards by optimizing the surface's homogeneity and reducing layer thickness. Unlike traditional sprays, AESUB white is free of titanium dioxide, associated with cancerogenic incidents through inhalation by the European Chemicals Agency.

How to apply AESUB white?


Layer thickness
~7 µm


Free of TiO2


Effective scan time
permanent


Delivery form
Aerosol can 400 ml



Shake



Spray



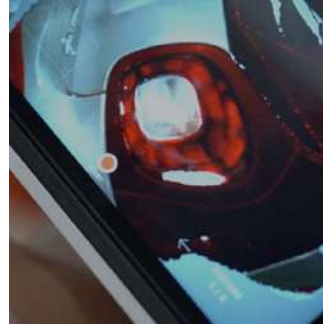
Scan



Clean



AESUB TRANSPARENT



- ✓ Disappearing state-of-the-art dulling spray
- ✓ Perfect for colour capture
- ✓ Free of pigments – free of titanium dioxide
- ✓ Fine, semi-transparent layer
- ✓ No cleaning required
- ✓ Developed & approved by scanning experts

AESUB transparent is a self-vanishing dulling spray developed by scanning experts. It creates a matte but still visible layer that is suitable for use with photogrammetry, Lidar, or other color-capturing scanning methods. The spray evaporates within a few hours, which means that there is no need for cleaning after scanning.

AESUB transparent can be applied directly to the spot of scanning, making it a convenient and time-saving tool for professionals in the digitizing process. Overall, AESUB transparent can greatly increase efficiency and productivity in the scanning industry.

How to apply AESUB transparent?


Layer thickness
~8-15 μm


Free of TiO₂


Effective scan time
1-2 h


Delivery form
Aerosol can 400 ml


Spray


Scan


Done



AESUB GREEN



- ✓ Disappearing state-of-the-art scanning spray
- ✓ Free of pigments – free of titanium dioxide
- ✓ Thin & homogeneous coating
- ✓ Bulk for spray gun
- ✓ No cleaning required
- ✓ Developed & approved by scanning experts
- ✓ Perfect for large scale & automated scanning applications

AESUB green is a self-volatilizing scanning spray liquid developed by scanning experts. It eliminates basic application problems of 3D metrology, especially in sensitive areas (laboratories, production, etc.) and protects the equipment from contamination by pigment deposition. Expensive

transports of externally matted measuring objects to the sensor as well as the time-consuming cleaning of the measuring environment and objects after scanning are no longer necessary. With AESUB green, you achieve a significant increase in efficiency and productivity in the entire digitization process.

How to apply AESUB green?



Layer thickness
~10-20 µm



Effective scan time
1-2 h



Free of TiO₂



Delivery form
bulk 1L, 5L, 200L



Spray



Scan

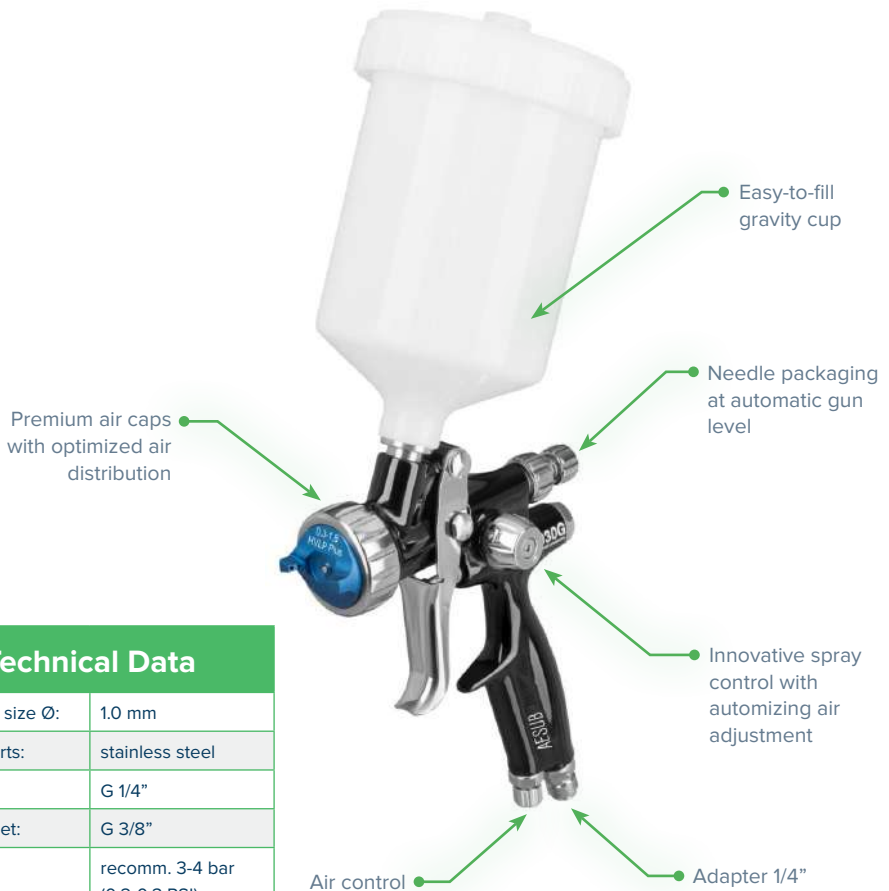


Done



AESUB GREEN SPRAY GUN

Applying AESUB green with the AESUB green Spray Gun results in a very fine and homogeneous surface, which is particularly suitable for large-scale scans



Technical Data

Jet nozzle size Ø:	1.0 mm
Wetted parts:	stainless steel
Airinlet:	G 1/4"
Materialinlet:	G 3/8"
Airinlet pressure:	recomm. 3-4 bar (0.2-0.3 PSI) max. 8 bar (116 PSI)
Cup volume:	500 ccm (17.5 fl.oz.)
Weight:	486 g
Adapter:	1/4"



AESUB YELLOW





- ✓ Disappearing state-of-the-art scanning spray
- ✓ No cleaning required
- ✓ Developed & approved by scanning experts
- ✓ Bulk airbrush system
- ✓ Thin & homogeneous coating
- ✓ Free of pigments – free of titanium dioxide
- ✓ Perfect for small scale scanning applications

AESUB yellow is a self-volatilizing scanning spray liquid developed by scanning experts. It eliminates basic application problems of 3D metrology, especially in sensitive areas (laboratories, production, etc.) and protects the equipment from contamination by pigment deposition. Expensive transports of externally matted measuring objects

to the sensor as well as the time-consuming cleaning of the measuring environment and objects after scanning are no longer necessary. With AESUB yellow, you achieve a significant increase in efficiency and productivity in the entire digitization process.

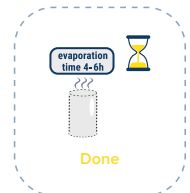
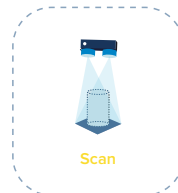
How to apply AESUB yellow?


Layer thickness
~0.5-1 μm


Effective scan time
2-4 h


Free of TiO₂

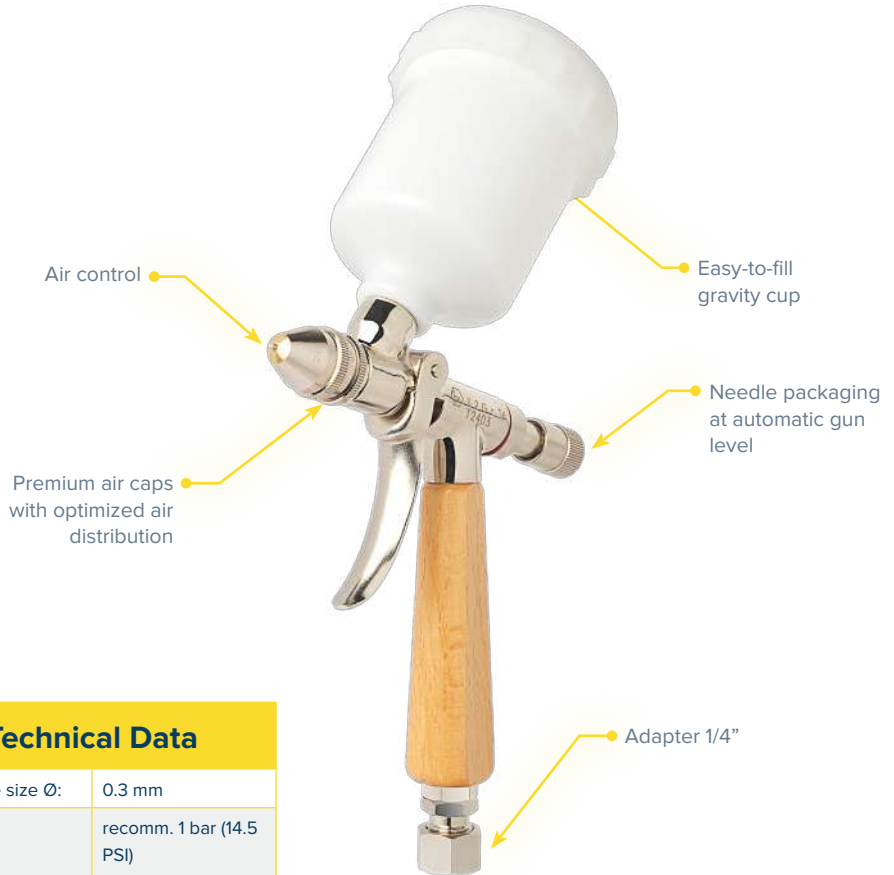

Delivery form
bulk 200 ml





AESUB YELLOW AIRBRUSH

The AESUB yellow airbrush is the perfect tool for applying AESUB yellow to small objects and precise scanning applications.



Technical Data

Jet nozzle size Ø:	0.3 mm
Pressure:	recomm. 1 bar (14.5 PSI) max. 8 bar (116 PSI)
Cup volume:	125 ccm (4.22 fl.oz.)
Weight:	260 g (9.17 oz.)
Adapter:	1/4"

AESUBdots



AESUBdots black & white	AESUBdots retro-reflective PERMANENT	AESUBdots retro-reflective EASY REMOVABLE	AESUBdots retro-reflective INFINITY
<ul style="list-style-type: none"> ● For structured light scanners ● Strong adhesive effect ● Coiled on roll ● Perfect for application on all vanishing AESUB sprays 		<ul style="list-style-type: none"> ● For structured light scanners ● Coiled on roll ● Perfect for application on all vanishing AESUB sprays 	<p>Retro-reflective targets placed in a random pattern on clear tape. Easy, simple and fast to remove.</p>
AVAILABLE DIAMETER Ø			
1.5 mm 8 mm 3 mm 10 mm 5 mm 12 mm 6 mm		3 mm 6 mm 12 mm	6 mm



AESUB DICES



Reference points are essential for capturing intricate details, but challenges arise when markers can't be used due to an object's small size or delicate surface. Additionally, achieving excellent scans with fewer reference points is key, particularly when dealing with part rotation or multiple different views during scanning. This is where AESUB dices come into play.

AESUB dices can accommodate up to 11 x 6mm retroreflective targets, or even more of 3mm retroreflective targets. They are available with either a built-in magnet or an M4 thread, and their

chamfered bottom minimizes data loss. These lightweight dices not only enhance the efficiency of 3D scanning for complex objects but also reduce the reliance on reference points. The magnet quickly attaches to metal surfaces, streamlining scanning preparation. For non-magnetic surfaces, you can use the threaded version or AESUB scan putty to secure the dices.

Next time you're scanning an object on a table surface, simply position a few of these dice around it to significantly improve your workflow.

AESUB TARGET NET



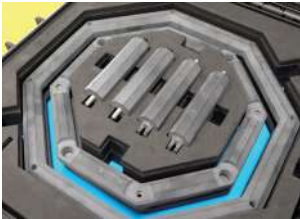
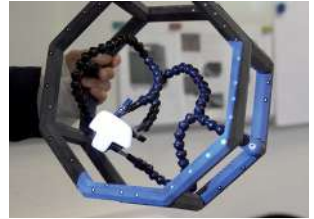
FAST FACTS

- ✓ Retroreflective reference points for immediate application on medium-sized or large components
- ✓ Magnet on each point base
- ✓ 300 dots are mounted on a black mesh - 1.50 x 2.00 m (larger dimensions on request)
- ✓ Removing the points is not necessary
- ✓ Reusable
- ✓ Perfect for application on all vanishing AESUB scanning sprays & liquids

Sticking and removing dots has never been so easy thanks to the AESUB target net with its magnetic targets! Unfold and position the AESUB target net in less than 20 seconds. Scan in the usual manner and use standard post-processing routines to easily remove single elements and points of the AESUB target net in the post processing. Remove the net in just seconds!



AESUBdots frame



FAST FACTS

- ✓ Two different diameters: 200 / 300 mm, Sizes up to 600 mm are available
- ✓ Certified AM aerospace grade quality – Ultem material
- ✓ 100 mm extension beams to create larger frames according to workpiece size
- ✓ Flexible arm with grippers for easy clamping of parts
- ✓ Hexagonal shape to optimize the reference marker visibility

The new target frame from AESUB sets objects into position for optical measurement in just a few steps. A modular set allows to assemble target frames with a diameter of 200mm or 300mm. The frame is additively manufactured with plug and screw connections directly integrated to it. It can be,

therefore, assembled without additional tools. As the frame is printed in black, no chemical finishing by colouring or anodizing is needed. All elements are compactly packed into one case, making the entire set ideal for mobile use.

AVAILABLE SETS

AESUB target frame starter set 200:

1x diameter frames (200mm) + accessories

AESUB target frame starter set 300:

1x diameter frames (300mm) + accessories

AESUB frame complete set:

1x diameter frames (200mm) + accessories

1x diameter frames (300mm) + accessories

transport case

AESUB RACK



AESUB rack simplifies the scanning of mid-sized objects effortlessly. This advanced tool is designed with precision and versatility, making it perfect for objects of all shapes and sizes.

The standout feature of AESUB rack is its adaptability. This modular tool can be adjusted to fit any object shape, making it easy to install reference markers quickly and without hassle.

Setting up reference markers has never been easier. AESUB rack's user-friendly design allows for fast adjustments, saving you time and effort. Whether you're working on detailed models, prototypes, or mid-sized components, AESUB rack provides a stable platform for accurate scans every time.

Integrate AESUB rack into your scanning workflow for seamless, error-free data capture. Enhance your productivity and achieve outstanding results in your scanning projects. AESUB rack is your key to efficient and precise object scanning.

Team AESUB & Its Passion

Team AESUB - behind the scenes

We are a team of diverse specialists, but all with a sound background in 3D scanning and aerosol development.

This unique combination enables us to change and shape the scanning spray industry. We know the needs of complex digitization processes and know how to provide dedicated solutions. We make scanning life easier with our products.

We are continuously developing ourselves and our products and can therefore ideally support challenges and new requirements.

We love the daily exchange with users, scanning manufacturers, service providers and our partners.

What makes AESUB products stand out?



Development

We develop our products ourselves. This enables us to pick up trends and implement them quickly.



Network

The worldwide distribution network enables local availability of AESUB products.



Experience

Thanks to our years of experience in the 3D scanning market, we know the needs of our customers and tailor our products accordingly.



Where to Buy

GoMeasure3D
AESUB Authorized Partner

Website: shop.gomeasure3d.com
Email: shop@gomeasure3d.com
Telephone: (434) 946 - 9125

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