

## Lab Technology Today

# 5 Tips for Working with Scantist 3D

Scantist 3D is a non-slip scanning spray that's suitable for all materials, forms a homogeneous layer and evaporates so it doesn't need to be removed after scanning.

**Lab scanners are based** on optical measurement methods; the scanner emits a light beam to the surface of the object which is reflected back into the scanner's sensors. If the object has a transparent or translucent surface, the light passes through it instead of being reflected back and, as a result, the scanner cannot capture the surface texture.

Similarly, if the object has a reflective surface, the light beam is reflected back in a focused instead of diffuse manner. If the object to be scanned has distinct pits, the scanner will receive a reflection from the walls of the pit. This leads to a disturbance in the light pattern which, in turn, leads to erroneous data.


Treating an object with a 3D scanning spray helps prevent shadows and reflections and achieve good contrast values and reliable measurement results. Scantist 3D is a new scanning spray on the market that's non-slip; suitable for all materials, even very smooth surfaces; forms a homogeneous layer; and most importantly evaporates so it doesn't need to be removed after scanning.

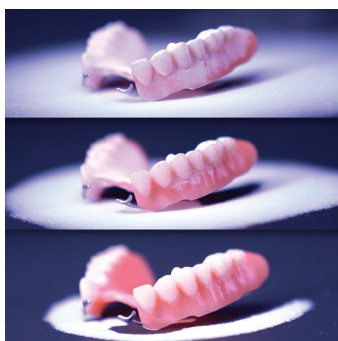
Unlike conventional scanning sprays that contain ground, white pigments to create the opaque layer and therefore need

to be removed after scanning, Scantist 3D is free of pigments. In addition, Scantist 3D doesn't contain titanium dioxide (TiO<sub>2</sub>) which is suspected to have carcinogenic effects and is found in some sprays.

Here are 5 tips for working with Scantist 3D:

- 1.** Apply Scantist 3D evenly on the object's surface from a distance of 5 to 10 centimeters. The can is equipped with a special valve with a very fine nozzle so each spray can be applied accurately.
- 2.** The perfect ambient temperature for quick drying of the applied spray is 69.8°F.
- 3.** Use the ideal spraying distance and a brisk, even application to accelerate the drying process. On thicker layers, the spray will initially be wet until the solvent evaporates, leaving a white homogeneous layer on the surface.
- 4.** Scan the object in the usual manner.
- 5.** After scanning, put the object aside and wait for approximately 20 minutes for the Scantist 3D coating to evaporate completely.

For more information, visit [scantist3d.com/en/](http://scantist3d.com/en/) or visit the company's booth at LMT LAB DAY West to see a live demo and get a free product sample. 



The sublimation process of Scantist3D on a full denture: the spray is pigment free and converts from a solid coating (top image) to a gaseous state and completely evaporates (bottom image); no cleaning is required.