

Area Computation Tool

new

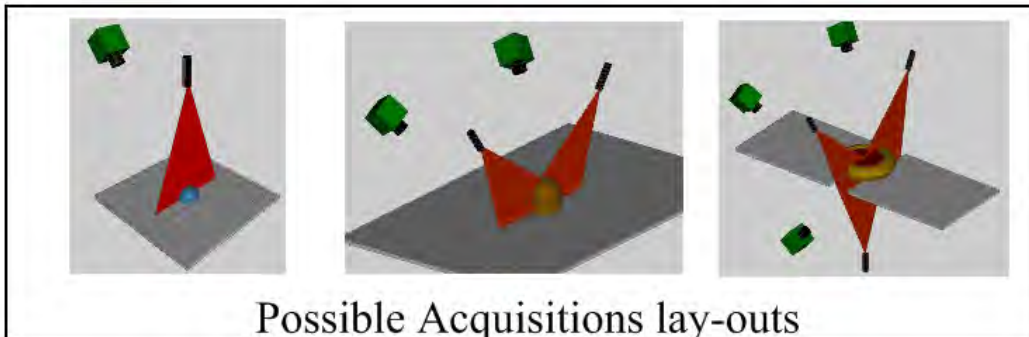
SAL3D

Shape Analysis Library

The **Area Computation Tool** is a new tool of the new **SAL3D** release. The tool has been designed for measuring the area enclosed within the contour of a laser profile with errors smaller than 1%. When implemented together with the **Metric Calibration Tool**, the outcome is an accurate area measurement in metric units. The tool works optimally when integrated in multi-camera set-ups which gather the total contour of the body. *

Features

- Highly accurate area computation from 3D profiles
- Suitable for different acquisition layouts
- Computation error smaller than 1%



Possible Acquisitions lay-outs

Single and two camera lay-outs determine the area of the observed surface related to a defined reference plane. Three camera lay-outs determine the area of the enclosed region defined by three metric laser profiles. Volumes can be computed adding partial areas multiplied by a displacement factor between gathered profiles. Concave and occluded sections can not be accurately measured. Single camera layouts must be carefully assessed concerning the body's profile.

Applications

- Food Slicing (cheese, bacon, sausage, etc.)
- Fixed Weight/Fixed Volume portioning
- Volume and Weight Computation

(*) Please, contact us to get more information on available acquisition layouts