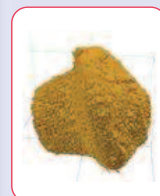
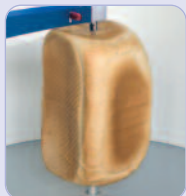


VolScan Profiler™

A REVOLUTION IN VOLUME MEASUREMENT



BAKERY PRODUCTS >>>

>>> PRODUCT SCANS

The VolScan Profiler is a benchtop laser-based scanner that measures the volume of bread and bakery products.

This non-contact measurement system offers considerable advantages over contact and displacement techniques which purely measure volume. The rapid 3-dimensional digitisation of products enables the automatic calculation of several detailed dimension related parameters, the results of which may be mathematically manipulated for immediate use or future retrieval in a variety of data formats.

With the VolScan Profiler, manufacturers have a precise and fast method for the measurement of the volume of bakery products in order to be able to control and monitor the breadmaking conditions and ingredient performance.

- *Rapid and accurate volume measurement*
- *Typical test time less than 60 seconds*
- *Easy location of sample*
- *Weighs sample automatically*
- *Full dimensional analysis*
- *Allows full product or 'slice' analysis*
- *Simple calibration*
- *Spreadsheet archiving*
- *2D and 3D sample representations*
- *Language Editor*
- *Bar code scanner compatible*
- *Measurements are operator independent*

SPECIFICATIONS

APPLICATION AREAS

- RESEARCH AND DEVELOPMENT
- QUALITY ASSURANCE
- PROCESS CONTROL
- ACADEMIC RESEARCH

for

- MILLERS
- BAKERIES
- FOOD INGREDIENT SUPPLIERS
- FOOD RESEARCH INSTITUTES
- UNIVERSITIES

VOLSCAN TECHNICAL SUMMARY*

Sample Dimensions

	VSP600	VSP300
Max diameter:	380mm	190mm
Max height:	600mm	300mm
Max sample weight:	3kg	3kg

Movement and Measurement

Variable scanning resolution

Rotational speed options:	0.5 / 1.0 / 1.5rps	0.5 / 1.0 / 1.5rps
Data acquisition:	400 points per revolution	400 points per revolution
Vertical step size options:	0.5mm – 26mm	0.5mm – 26mm
Sample weight accuracy:	±5g	±5g

Dimensions

Instrument weight	46kg	20kg
Overall height	873mm	573mm
Overall width	700mm	536mm
Overall depth	607mm	398mm

Mechanical

Simple calibration

Automatic weighing

Door interlocking mechanism for additional safety – tests cannot be started unless the door is closed

Alternative support solutions depending upon user selected pin array

Electrical

Operating temperature: 10° – 40°C

Temperature measurement of chamber recorded automatically

Universal mains input voltage

Connectivity: USB

Laser line generator for optimal sample positioning

Optional Additions

Volume Verification block

Temperature measurement of product surface



VSP600



VSP300



The VolScan Profiler is complementary to Stable Micro Systems' wide range of texture analysis solutions which are developed and manufactured in-house and supported by a qualified technical applications team and international distribution network.

Minimum PC Requirements

- 1.6GHz Pentium processor
- 512 Mb memory
- 100 Mb free hard disk space
- OpenGL or DirectX 9.0c compatible graphics card
- Supported operating systems: Windows 2000, XP, Vista, Windows 7

The latest software versions are available to download, free of charge to existing users, from www.stablemicrosystems.com

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*Stable Micro Systems Ltd reserves the right to alter product technical specifications at any point without prior notification.

SMS/VSP2/0510

