



Beyond lab!



PRODUCTS OVERVIEW

STEREOLITH

OFF INNOVATION



STEREOLITH, A HISTORY

STEROGLASS®, A HISTORY OF INNOVATION

In 60 years, **Steroglass®** has become a world-leading manufacturer and supplier of cutting-edge borosilicate glass equipment and highly technological instruments such as rotary evaporators, automatic titrators, multi-parametric analyzers, aW detectors for food & beverage - just to name a few - for chemical, pharmaceutical, oenological and food applications, playing a key role in contributing to the pace of innovation in the scientific lab industry.

Focus on research and innovation has driven us to visionary solutions for creating state-of-the-art instrumentation that ensures our customers' success. We firmly believe it's through working closely with customers that **Steroglass®** continues to offer a broad portfolio of market-leading products. It's not only about producing and selling, it's about taking care of the whole process to best satisfy and assist our clients.

Borosilicate glass has been our pillar ever and has inspired the **Blueside** brand adding value to the existing scientific glass products by turning them into stunning craft design objects made in Italy.

Our innovative solutions fully respect the planet, in line with our deep concern with the environment.



DISTILLATION AND EVAPORATION



STRIKE[®] 300

Rotary Evaporator



Compact Rotary Evaporator for laboratory

STRIKE[®] 300

Fully safe and highly efficient performance with a sealing system that allows perfect vacuum-tight, self-lubrication and anti-corrosion seal. Maintenance-free.

Microprocessor equipped with LCD interface and touch screen, can be multi-programmed so that all the parameters can be checked and modified.

STRIKE[®] 300

comes with GLP system

Glassware:

- Standard or plastic-coated
- Diagonal or vertical



TRAP



ST 510



Industrial Rotary Evaporators

STRIKE® 20
(20 L flask)

STRIKE® 100
(50/100 L flasks)

STRIKE® 100 ATEX
(50/100 L flasks)

Large-capacity rotary evaporators designed for industrial production. Meet all the process needs thanks to borosilicate and PTFE that permit aggressive substances treatment. Run under vacuum or atmosphere conditions. Rotation of the evaporation flask in the thermostatic bath results in a forced convection and homogeneous distribution of the product thus preventing sedimentation. The flask also ensures high evaporating exchange surface. The sealing system enables perfect vacuum tight. Maintenance-free.



Glassware:

- Standard or plastic-coated
- Diagonal or vertical



STRIKE® 100 ATEX extra features:

In compliance with the ATEX European Directives that regulate explosion-proof manufacturing materials. **T3 or T4 Certification** – protection level can be chosen according to the applications needed.



GLASS-BLOWN APPARATUS FOR LABORATORY

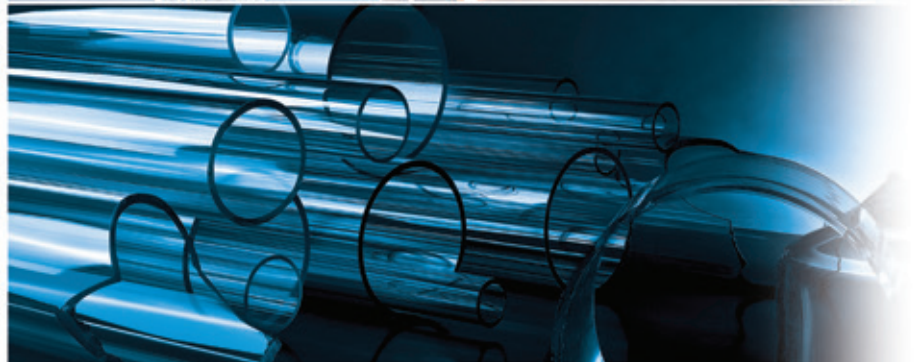


Steroglass® is renowned worldwide for its highly innovative technology in glassblown scientific equipment for chemical and pharmaceutical laboratories.

Our R&D and skilled glassblowers are able to build any type of customized apparatus meeting any specific needs.

Quality and customer care are our priorities aimed to provide our Clients with tailored technical services.

We specialise in corrosion resistant borosilicate glassware, all in compliance with the EU pharmaceutical directives.



TAILORED SOLUTIONS



WATER ACTIVITY METER



WATER ACTIVITY METER

Steroglass® cutting-edge water activity (aW) meter ensures quality of ingredients in the food, pharmaceutical and cosmetic industries. Increases product shelf-life analyzing microbial development in order to prevent deterioration risks. In compliance with ISO 18787:2017 standards

- Accurate and repeatable analyses in 5 minutes
- Dew point sensor
- Accuracy: $\pm 0,003$ aW



AUTOMATIC TITRATOR



FLASH AUTOMATIC TITRATOR



Automatic Titrator

FLASH is designed to simply and precisely carry out a wide range of potentiometric titrations.

Up to two automatic burettes for titrant delivery and three peristaltic pumps can be installed. Automatic analyses are made easy and fast. Both a single analysis stand and 16, 20 or 35 position autosamplers can be connected to Flash.

Optimises sample auto-level procedure speeding up the sample preparation. The optional degassing system ensures a fully automatic procedure with no external sample pre-treatment needed.

Applications:

Flash titrator can be used to detect several parameters in most F&B applications such as wine, fruit juice puree, milk and dairy products, edible oils, etc..

Main analyses:

pH, titrable acidity, SO_2 , Chloride, Ascorbic acid, Peroxide, etc..



AUTOMATIC MULTI-PARAMETRIC ANALYZERS



Hyperlab Plus Automatic Analyzer

The utmost automatic analyzer for food and wine:

- 180 analyses / hour
- 60 positions
- 30 positions with refrigerated tray
- Anti-crash glass ceramic needle with capacitive level sensor
- 8-cycle washing station.

Hyperlab Basic Automatic Analyzer

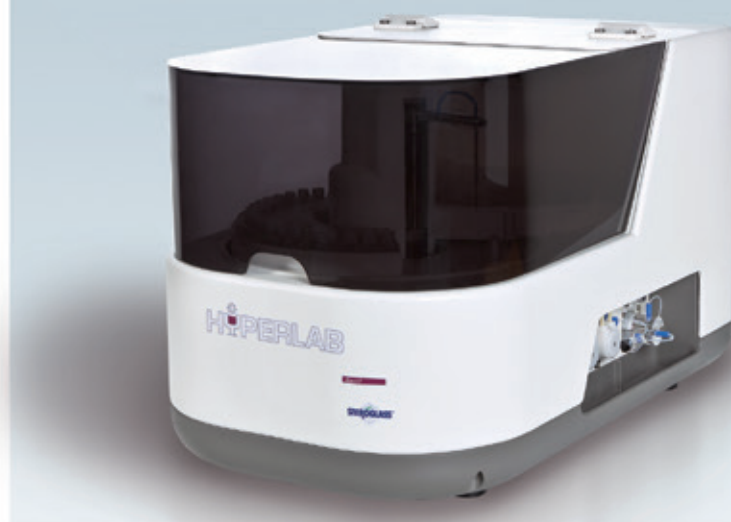
Solid and resistant designed for high productivity:

- 150 analyses / hour
- 46 positions
- 26 positions with insulated reagent plate
- Stainless-steel needle with capacitive level sensor and anti-breakage locking system
- 6-cycle washing station.

Hyperlab Smart Automatic Analyzer

for accurate enzymatic analysis:

- 140 analyses/hour
- Insulated reagent plate
- Two models:
 - 10 positions for samples and 20 positions for reagents;
 - 20 positions for samples and 10 positions for reagents.
- Small size: 38x60x35 cm
- Stainless-steel needle with capacitive level sensor and anti-breakage locking system
- 4 reaction segments, each with 24 disposable cuvettes
- Maintenance-free.



ENZYMATIC ANALYSES



Enzymatic and colorimetric kits

STEROGLASS® offers a number of enzymatic and colorimetric kits that meet any F&B laboratory needs.

Our kits used with automatic or semi-automatic analyzers save time increasing control effectiveness and analytical safety.

Features:

- Liquid and ready-to-use
- Accurate and repeatable data
- Fast analyses, especially if used with automatic analyzers such as Hyperlab instruments
- High specificity in determination of various analytes
- Low analysis cost
- Long shelf-life (about 24 months)
- Separate and multi-parametric standards use.



Main parameters:

ORGANIC ACIDS

- ACETIC
- ASCORBIC
- CITRIC
- GLUCONIC
- D & L LACTIC
- D & L MALIC
- PYRUVIC
- TARTARIC

SUGARS

- GLUCOSE
- FRUCTOSE
- SUCROSE

IONS AND METALS

- CALCIUM
- IRON
- MAGNESIUM
- POTASSIUM • COPPER

PHENOLIC COMPOUNDS

- ANTHOCYANINS
- CATECHINS
- POLYPHENOLS

OTHER COMPOUNDS

- AMINO AND AMMONIACAL NITROGEN (RAN)
- CHLORIDES
- COLOUR (WINE)
- ETHANOL
- GLYCERIN
- FREE AND TOTAL SULFUR DIOXIDE

Enzymatic methods approved by international organizations such as:

ISO (International Standardization Organization)

OIV (International Organization of Vine and Wine)

AOAC (American Association of Analytical Chemists)

IFU (International Federation of Fruit Juice Producers)

IDF (International Dairy Federation)

EBC (European Brewery Convention)

AUTOMATIC ANALYZER



ONE FOOD&BEVERAGES ANALYZER



ONE - Food and beverages analyzer

- About 60 pre-loaded methods, recommended with Steroglass enzymatic kits
- User-friendly software thanks to a step-by-step guide
- A 9-position well for incubation reading cuvettes, temperature range 25°C...45°C
- Results reading of both absorbance and concentration on display screen can be printed using the built-in printer
- Reagent blank and calibration of methods can be saved.

Designed to perform a number of enzymatic analyses in the food & beverage industries. Every step of the whole production is accurately controlled. One comes with a wide range of methods and provides simple and intuitive interface by means of a graphic display that guides the user during in the analysis.



TARTARIC STABILITY ANALYZER



EASYCHECK



Tartaric stability analyzer

EASYCHECK

Automatic system that measures tartaric and calcium stability in wine. Ultra-compact and easy-to-use, Easycheck ensures fast and repeatable stability measurements. Analytical reports are automatically saved in the database and can be exported to a PC via wi-fi.



BOROSILICATE GLASS AND DESIGN OBJECTS



BLUESIDE



Blueside emotional design

Since 1959 Steroglass® has been shaping glass, creating objects for scientific purpose, always bearing in mind customer's needs and expectations. Our motto is "Go beyond lab".

Science and technology are an incredible source of amazement and emotions.

The functional magic shapes of glass appeal not only to scientific companies and analysis laboratories, but also to our home.

Our master blowers' unique skills have inspired several Italian designers and architects in the creation of Blueside Emotional Design objects.

The Blueside collections:

- Dining
- Living
- Jewels
- Alchemy





S E R V I C E



V A C I N H O

Certificated technical assistance Our experience to serve you!

- Technical and analytical consultancy
- Technical assistance agreements
- Service and calibration

Steroglass® has long been providing technical assistance to its manufacturing products.

Our long-lasting experience combined with regular updating trainings make it possible for our teams to develop the know-how needed for a turn-key set-up and maintenance.

Steroglass's innovation-based solutions ensure instrument accuracy in compliance with all international directives.





COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

STEROGLASS s.r.l.
Via Romano di Sopra, 2/C

06132 - S.Martino in Campo
PERUGIA - ITALY
Tel. +39 075 60 90 91
Fax +39 075 60 90 950

http: www.steroglass.it
e-mail: info@steroglass.it

Authorized dealer