

System Lab Furniture

Cutting | Mounting | Grinding, Polishing, Etching | Analysis



PREMIUM QUALITY

MADE IN GERMANY

part of **VERDER**
scientific



SYSTEM LAB FURNITURE



Illustrations may include optional equipment

SYSTEM LAB FURNITURE

Planning your lab	4-5
System details	6-7



FLOOR CABINETS

Basic module	8-9
Doors and drawers	10-13
Work surface	14-17



WALL CABINETS

Shelves, utilities access	18-19
Wall units	20-21



The concept of our system lab furniture is founded on 4 corner stones:

QUALITY

Criteria for our furniture are based on the exacting requirements of industry and laboratories. The combination of high-quality materials and carefully thought-out construction guarantees stability and lasting quality.

FLEXIBILITY

The ATM-system provides a customized and flexible platform for personal workspaces, entire buildings, and everything in between.

FUNCTIONALITY

Archiving solutions and covered cable guides ensure a well-organized and efficient workplace.

DESIGN

Clean lines and high-quality materials create a fascinating, timeless and homogeneous style.



COMFORT AND FUNCTIONALITY

The Lab Furniture System combines tried & tested ATM quality with a fully thought-out and flexible modular system. Starting with the basic module in Aluminium, each single cabinet element can be fitted out with drawers, doors, inserts and upper structures.

Special care in the construction can be seen in the detail: All furniture elements are screwed together and installed on site. The concept uses every centimeter to ensure optimum storage and use of working space. This furniture system can be either installed as free-standing or put to use in almost infinite combinations. The cabinet module can be moved with a pallet truck and then closed off by a skirting panel at the desired location.

ACCESS FOR UTILITIES

Conduit for utilities access is discreetly hidden inside the whole cabinet combination. Pillars for the shelving & wall units provide possibilities for integrating a range of different utilities.

LAB PLANNING

PHOTO 1





LAYOUT



PROCESS MEDIA CONNECTIONS

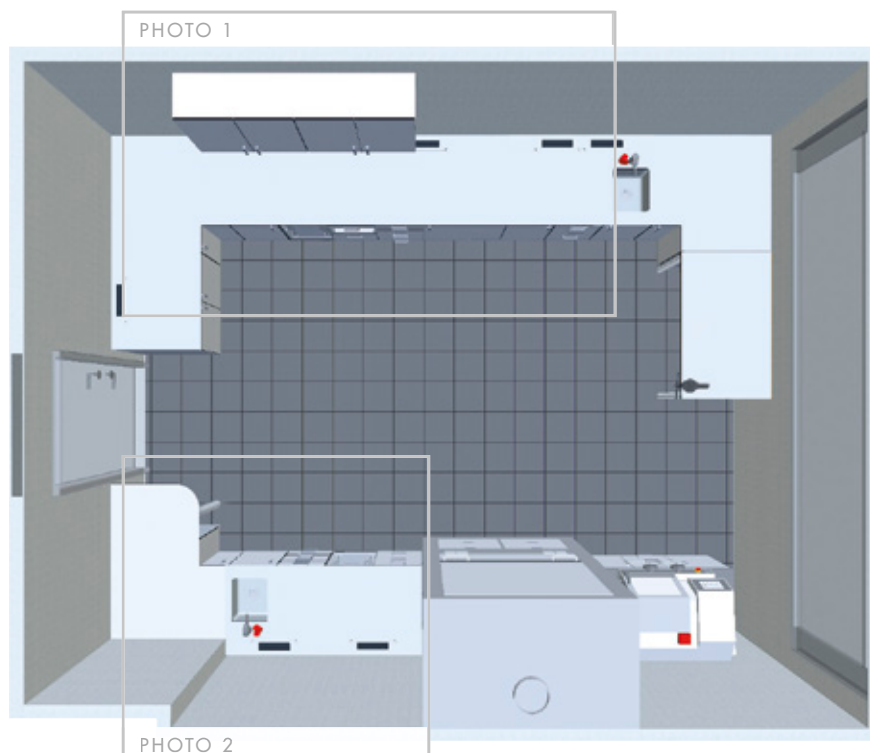


PHOTO 2



PHOTO 2



3D-PLANNING SOFTWARE

View your new lab virtually!

The ATM 3D Lab is a powerful computer program that allows you to view drawings of custom built equipment and laboratory layouts in a realistic, three dimensional format.

We would like to get inspired by your vision and work out individual solutions in cooperation, perfectly fitting almost any floor plan and demand.

After compiling a list of all materials and automatically generating a price quotation you can experience a scaled impression of your new workplace.

The furniture is completely manufactured in our company and meets highest quality demands

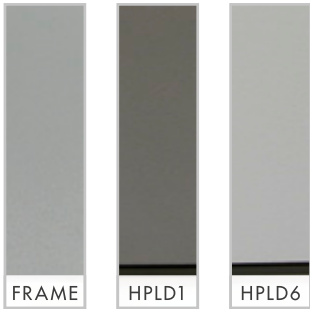
– “Made in Germany” by ATM.

FRAMEWORK

Our framework elements are manufactured from powder-coated Aluminium. The neutral white aluminium (RAL 9006) is ideally suited for a clean appearance. The removable skirting boards enable easy transport to other locations with a pallet truck.



TRANSPORT OPENING



DECOR

Clean & elegant appears the combination of powder coated white aluminium framework and HPL with its characteristic black edges. Front doors and panels are made of soft grey HPLD1, side plates of pastel grey HPLD6.

WORK SURFACES

With our carefully selected range of colours for work surface materials together with a framework of stable aluminium, almost all normal loading situations are ensured. HPL is to be recommended as standard for toughness and load-bearing capacity.

The solid-ceramic surface with run-off channels finally concludes the highest of loading standards for resistance against chemical attack.



SOLID-CERAMIC

HANDLES

Chrome-plated cast metal handles have an anti-microbiological effect with their special powder-coating.



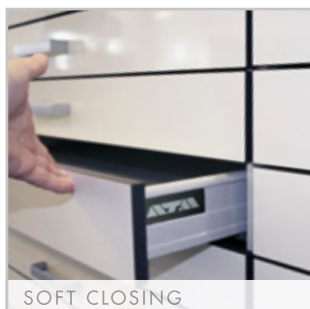
HANDLES

SYSTEM DETAILS

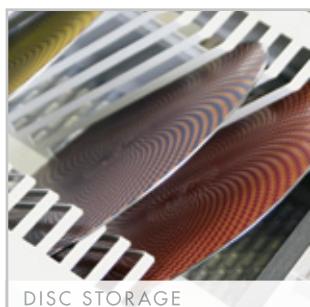




PORTS FOR UTILITIES



SOFT CLOSING



DISC STORAGE

BASIC MODULE

- ▶ Framework aluminium, powder-coated RAL 9006
- ▶ Floor cabinets in 2 heights (800/900 mm)
- ▶ Concealed utility conduit

COMPARTMENTS

- ▶ Basic module 1, 2 or 3-part version
- ▶ Doors single and drawers 1-2 compartments

DRAWERS AND DOORS

- ▶ Measurement unit 21 HT (800 mm)
- ▶ Measurement unit 24 HT (900 mm)
- ▶ Standard: HPLD6 pastel grey
- ▶ Storage inserts such as disc storage or trash collector

WORK SURFACE

- ▶ HPLD1 soft grey, solid-ceramic

INSERTS

- ▶ Functional elements, such as recirculation cooling, safety cabinet, system cooler integrated into basic module
- ▶ Built-in sink

SHELVES AND WALL UNITS

- ▶ Stable, free-standing pillar construction
- ▶ Utilities conduit integrated inside pillars, concealed conduit access
- ▶ Wall units with doors or swing-up flaps



HIGH PRESSURE LAMINATE (HPL)

Duroplastic HPL is produced by combining several layers of paper and resins under high pressure. Paper as a renewable raw material makes up about 60% of HPL. The top coating is made of robust and heat-resistant melamine.

In addition, it is especially shock- and wear-resistant. HPL has a higher durability than other conventional products. The surface is hygienically sealed and easy to clean.





2-PART/800



2-PART/900



CORNER /800

BASIC MODULE 2-PARTS

Width	880 mm	
Height	800 mm	900 mm
Order No.	A5810001	A5810003

CORNER CABINET

Width/Depth	1030 mm	
Height	800 mm	900 mm
Order No.	A5810007	A5810008

BASIC MODULE 3-PARTS

Width	1320 mm	
Order No.	A5810002	A5810004



3-PART/800

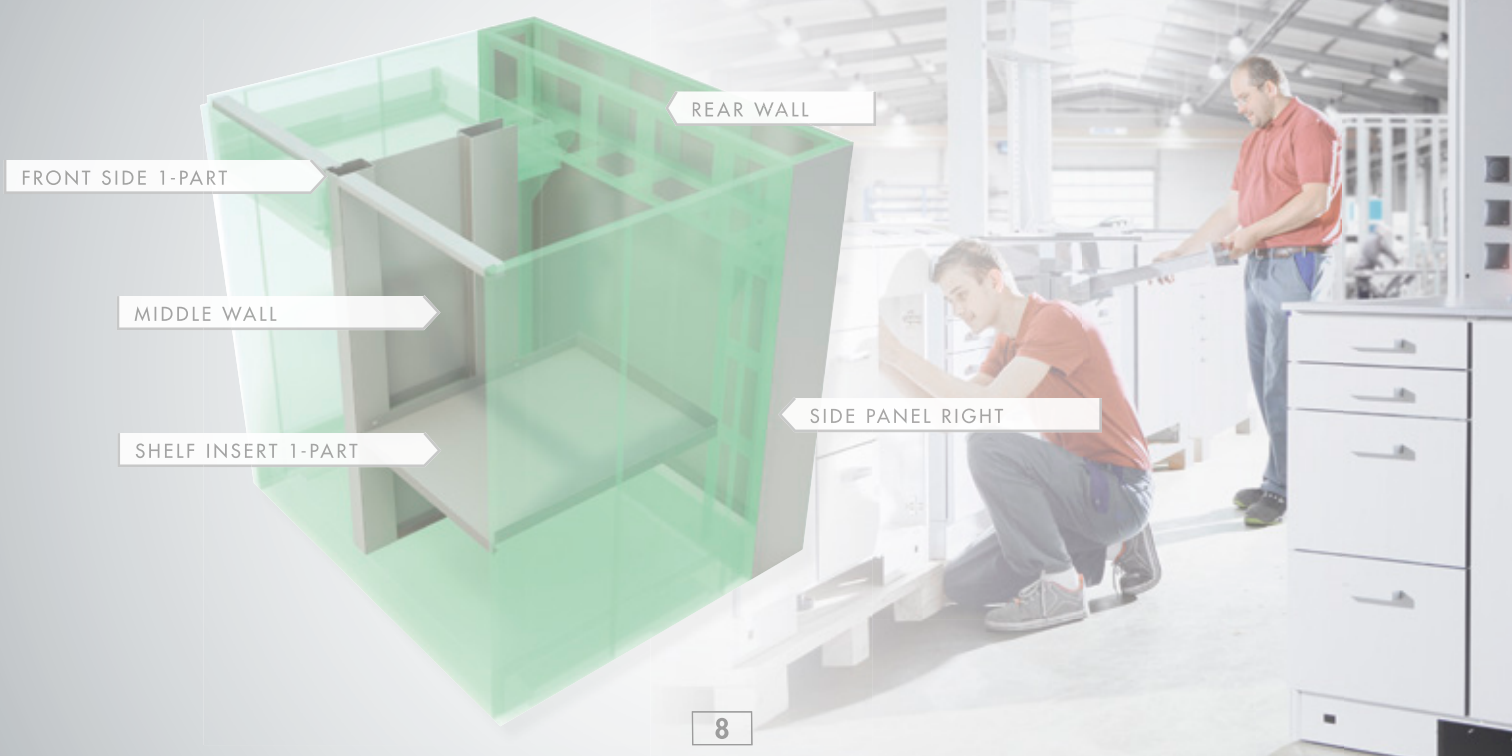


3-PART/900



CORNER/900

SYSTEM BASIC MODULE





END SECTION RIGHT/800



END SECTION RIGHT/900



END SECTION LEFT/800



END SECTION LEFT/900

END SECTION RIGHT

Width	1240 mm	
Height	800 mm	900 mm
Order No.	A5810011	A5810012

END SECTION LEFT

Width	1240 mm	
Height	800 mm	900 mm
Order No.	A5810009	A5810010

ISLAND END SECTION

Width	1600 mm	
Height	800 mm	900 mm
Order No.	A5810013	A5810014



ISLAND END SECTION/800



ISLAND END SECTION/900



BASIC MODULE

Framework is available in 1-part, 2-part or 3-part versions and in 2 different heights for working. Combined with the corner and end section solutions, it is possible to optimally adapt combinations into almost every space..

PANELS

Rear panels and utility ports at the side can be fitted with panelling, so that a closed appearance is presented. And if doors and drawers are to be fitted, then middle wall and front panel can be added to fit.



Illustr. end stop right



DOORS

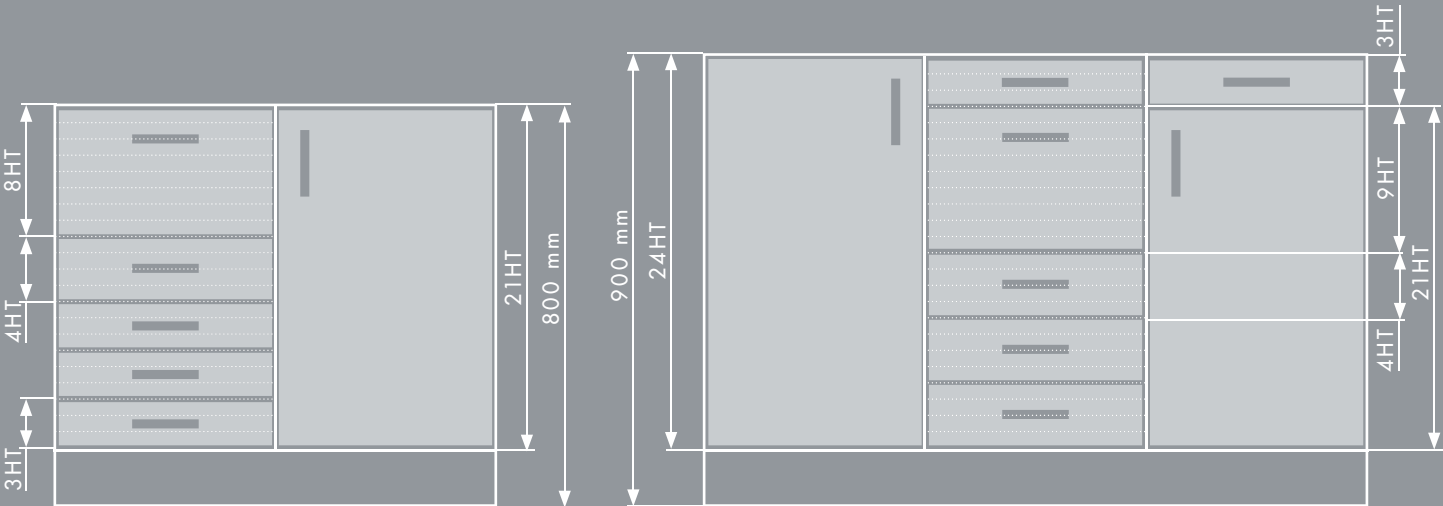
Width	440 mm				
Height	15 HT	18 HT	20 HT	21 HT (800 mm)	24 HT (900 mm)
End stop right					
Order No.	A5810047	A5810048	A5810243	A5810049	A5810050
End stop left					
Order No.	A5810043	A5810044	A5810242	A5810045	A5810046

TRAY INSERTS

Compartments	1	2
Order No.	A5810082	A5810083



SYSTEM DOORS AND DRAWERS



Illustr. end stop right



CORNER DOOR/800



CORNER DOOR/900

CORNER DOOR FOR CORNER CABINET

Basic module height	800 mm	900 mm
---------------------	--------	--------

End stop right

Order No.	A5810255	A5810257
-----------	----------	----------

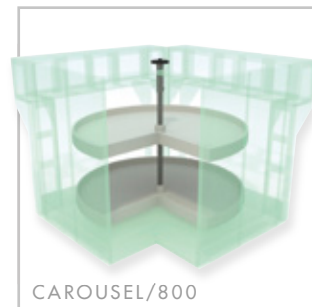
End stop left

Order No.	A5810256	A5810258
-----------	----------	----------



REVOLVING SHELVES FOR CORNER CABINET

Order No.	A5810072	A5810073
-----------	----------	----------



CAROUSEL/800



CAROUSEL/900

Drawer height / mm

HT	front	inside
3	92	55
4	124	87
6	188	151
8	252	215
9	284	247

Door height / mm

15	476
18	572
20	636
21	668
24	764

HT-PRINCIPLE

The ATM-developed HT modular system enables extraordinary design coupled with a pleasing appearance. Unevenness and unsightly alignment can be minimized through a combination of the different module heights.

Drawers and doors can be fitted in all combinations up to 21 HT (800 mm) i.e. 24 HT (900 mm). Fixtures in the working surface can be fitted with different panel heights.





3HT/1-PART



4HT/1-PART



8HT/1-PART



9HT/1-PART

DRAWERS

Height	3 HT	4 HT	6 HT	8 HT	9 HT
Width	440 mm (1-part)				
Order No.	A5810029	A5810030	A5810349	A5810031	A5810317
Width	880 mm (2-part)				
Order No.	A5810051	A5810052	A5810350	A5810053	A5810380

ANTI-SLIP PROTECTIVE MAT

Compartments	1
Order No.	Z5810007
Compartments	2
Order No.	Z5810008



3HT/2-PART



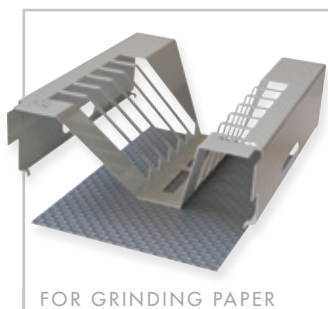
4HT/2-PART



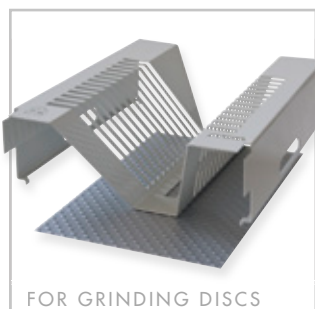
8HT/2-PART

SYSTEM DOORS AND DRAWERS





FOR GRINDING PAPER



FOR GRINDING DISCS



SYSTEM WASTE COLLECTOR XL



WASTE COLLECTOR

DISC STORAGE

Drawer insert	9 HT (1-part)
---------------	---------------

for grinding paper

Compartments	6
--------------	---

Order No.	A5810352
-----------	----------

for grinding discs

Compartments	13
--------------	----

Order No.	A5810351
-----------	----------



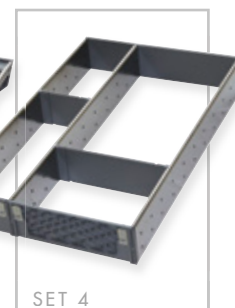
SET 1



SET 2



SET 3



SET 4

INSERT SETS

Set	1	2	3	4
Order No.	Z5810001	Z5810002	Z5810003	Z5810004

WASTE COLLECTOR

Height	15 HT
--------	-------

Order No.	A5810272
-----------	----------

SYSTEM WASTE COLLECTOR XL

Basic module height	800 mm	900 mm
---------------------	--------	--------

Door on right side

Order No.	A5810414	A5810412
-----------	----------	----------

Door on left side

Order No.	A5810415	A5810413
-----------	----------	----------



LIGHT AND SOFT CLOSING HINGES

The latest hinge technology generation enables doors to be closed easily and softly.

A metal frame system provides the drawers for robust and durable usability, a modern full extension ensures an overview. Drawers use a self-closing system which closes softly & quietly and without slamming.

INSERTS

Inserts sit comfortably inside the drawers, are non-slip and can be freely positioned in the width. Stainless steel sinks are removable.

PROTECTIVE MATS

Soft and damping protective mats for drawers are available in free size. The can be fitted to measure individually.

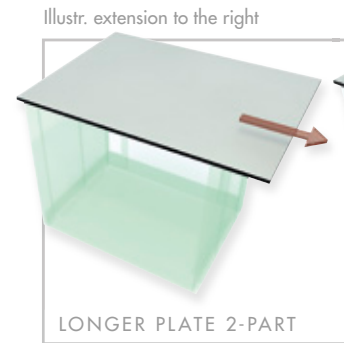
WASTE COLLECTION

2 removable waste collectors have capacities of 8 and 17 liters and are hidden from view.

Waste can be disposed off directly by dropping it through an opening in the table top in a trash bag integrated in the cabinet.



PROTECTIVE MAT



HPL-WORK SURFACE

Compartments	2	3
Order No.	A5810037	A5810041

for end section

End section	left	right
Order No.	A5810115	A5810119

for island end section

Order No.	A5810208
-----------	----------

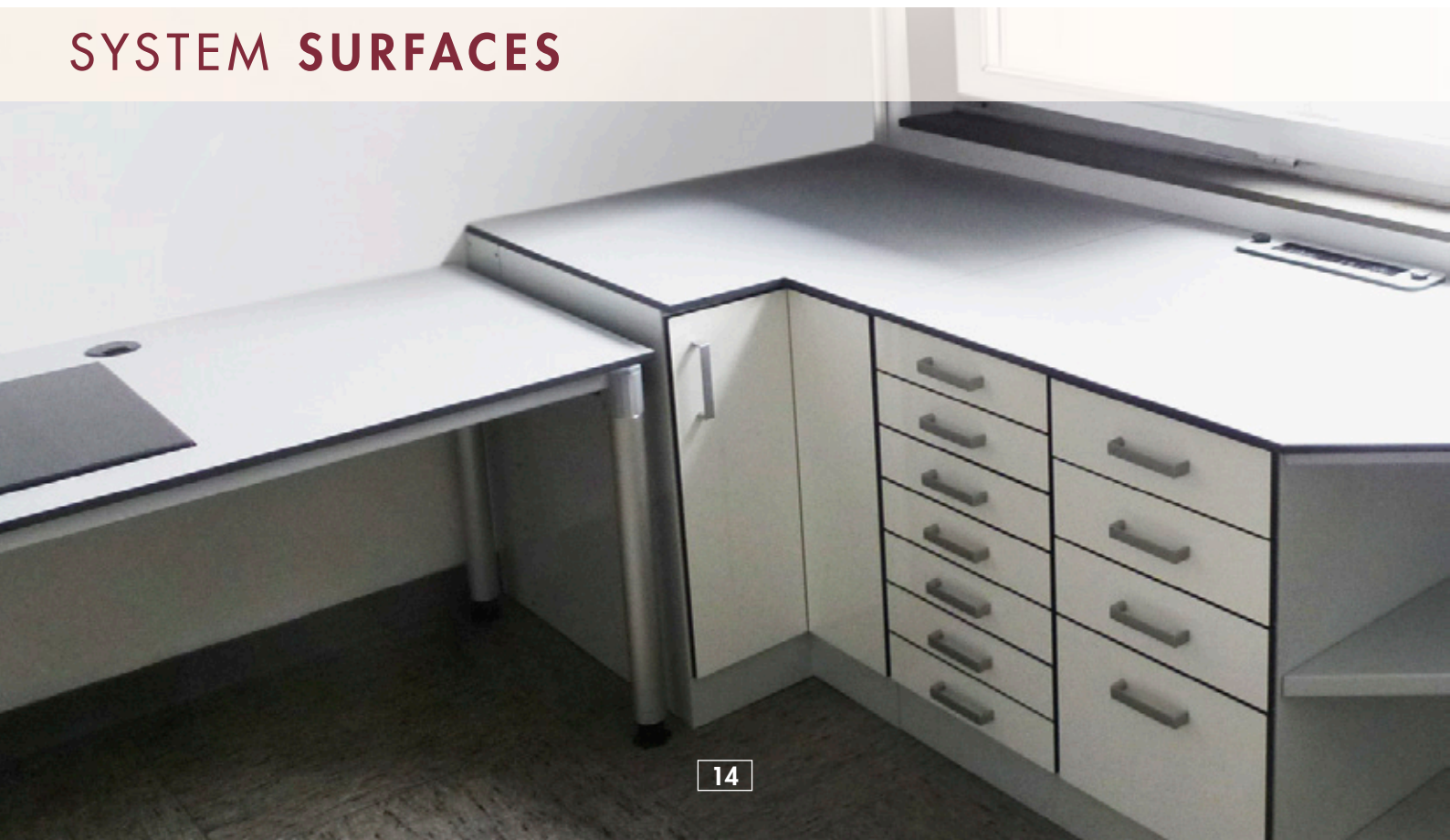
for corner cabinet

Order No.	A5810077
-----------	----------

Illustr. end section left



SYSTEM SURFACES



WORKING SURFACE EXTENSION

Compartments	2	3
Extension left		
Order No.	A5810337	A5810339
Extension right		
Order No.	A5810338	A5810340



SPACING PANEL



END PROFILE

UTILITY PORTS

Cover

Order No. A5810269

Large brush

cover 2-part

Order No. A5810268

Small brushes

2x utility ports

Order No. A5810372

Sockets, brush

2x 230 V

Order No. A5810373



UTILITY PORTS



COVER



2 SMALL BRUSHES



LARGE BRUSH



2 SOCKETS, BRUSH

OTHER SURFACES

For extreme operating conditions on surfaces such as working with chemicals, we recommend working surfaces made from lab-HPL, stainless steel or solid-ceramic. These are not presented here and have to be produced according to demand for such elements.

SPACE ADAPTATION

An extension of the table top of up to 440 mm enables the closure of space between compartment end and wall. The front is completed with a panel or door.

END PROFILE

A practical closure to the back wall is provided by an Aluminium profile, whose inner edge is sealed in position with a silicon-plastic strip.



Illustr. mixing faucet



UNDERMOUNT SINK

Illustr. arm-operated fittings & eye wash



CERAMIC DROP-IN SINK

Illustration: basic module 800



WASTE PIPE BRACKET

SINKS

Undermount sink ceramic

Compartments	1
Order No.	A5810265

Ceramic drop-in sink with draining board

Compartments	2	
Sink	left	right
Order No.	A5810054	A5810055
Sink mat	undermount sink	sink
Order No.	Z5810007	Z5810008

FITTING

Mixing faucet	low pressure	high pressure
Order No.	A5800022	A5800023

Arm-operated fittings

Order No.	A5800475
-----------	----------

Eye wash

Order No.	A5800045
-----------	----------

UNDER-SINK WATER BOILER

Capacity	5 Liter
Power supply	230 V/50 Hz
Order No.	A5800030

SYSTEM LAB INSTANT WATER HEATER

Power supply	230 V/50 Hz
Order No.	A5810379

SYSTEM LAB INSTANT WATER HEATER

Electronic control	
Power supply	400V/50Hz 3 Ph
Order No.	A5810336



SINK MAT

SYSTEM WORKING SURFACES

Illustr. position possibilities for undermount sink

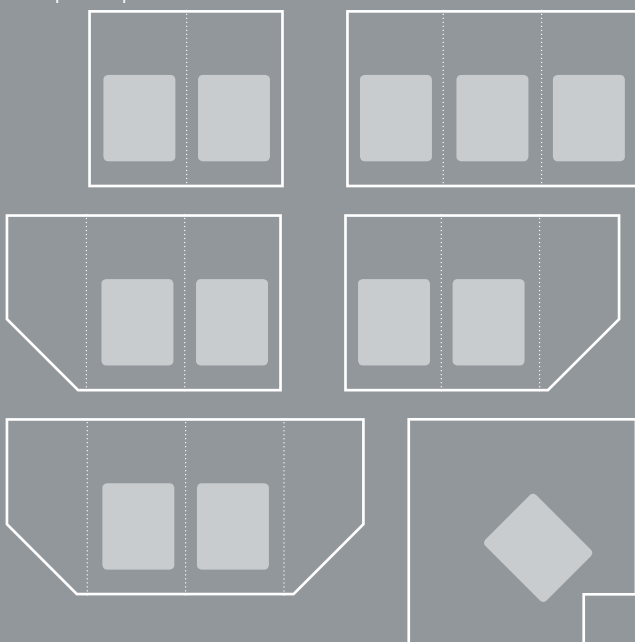
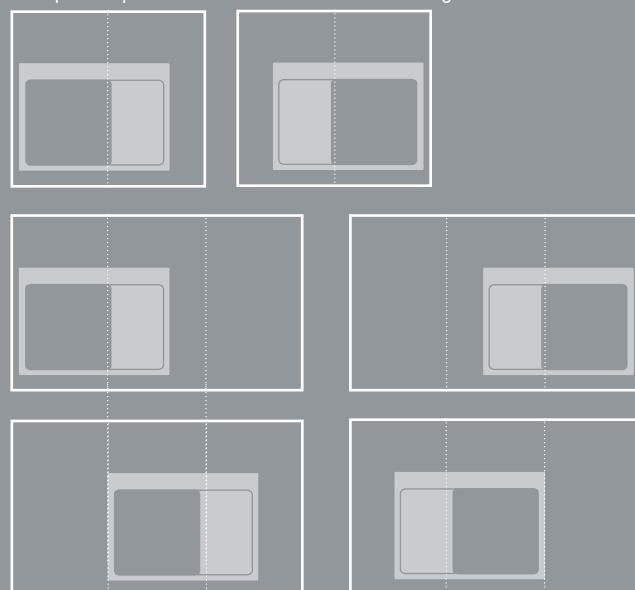


Abb. position possibilities for ceramic sink with draining board





SETTLING TANK

SETTLING TANK

- » with insertion mechanism
- » 2-chamber-PVC-compartment 45 Ltr.

Basic module height 800 mm

Order No. A5810261

Waste pipe bracket

Order No. A5810262

Basic module height 900 mm

Order No. A5810237

Waste pipe bracket

Order No. A5810263



RECIRCULATION COOLING UNIT

RECIRCULATION COOLING SYSTEM

- » with insertion mechanism
- » 2-chamber-PVC-compartment 45 Ltr.
- » inlet sieve with filter bag

Door height min. 21 HT

Order No. A5800484

Power supply 400V/50 Hz (3 Ph/PE)*



INSERTION MECHANISM



SYSTEM COOLING UNIT

SYSTEM COOLING UNIT

- » for table top models and
- System-application

Drawer height 18 HT

Order No. A5810171

COOLING UNIT OPAL X-PRESS

- » for modular hot mounting press

Drawer height 21 HT

Order No. A0800235



DROP-IN SINKS

The ceramic under-mount sink fits into one complete compartment.

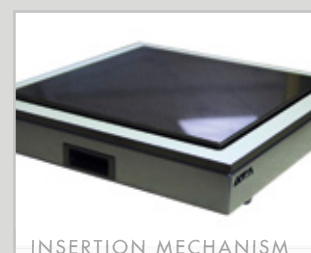
The ceramic drop-in sink needs 2 compartments. Both sinks need a height difference of 6 HT. It is a good idea to lay a protective mat in the base of the sink in order to protect the ceramic. When installing an under-mount sink into a fully ceramic worktop surface, run-off channels can be integrated into the ceramic.

FUNCTION ELEMENTS

The insertion mechanism of the wheeled re-circulatory cooling unit i.e. sedimentation container ensures ease of movement, even when the container is full.

USEFUL ACCESSORY

Vibration-sensitive measurement & testing equipment such as microscopes, hardness testing devices etc. demand special attention from their environment. The elastically cushioned hard stone plate minimises the effects of external vibrations and can be simply laid directly on top of the lab furniture.



INSERTION MECHANISM

Illustr. basic module 800



SHELVES

Height	1950 mm	
Basic module height	800 mm	900 mm
2-compartment shelf		
Order No.	A5810015	A5810016
3-compartment shelf		
Order No.	A5810017	A5810018
Corner shelf		
Order No.	A5810032	A5810033

BLANKING PANELS

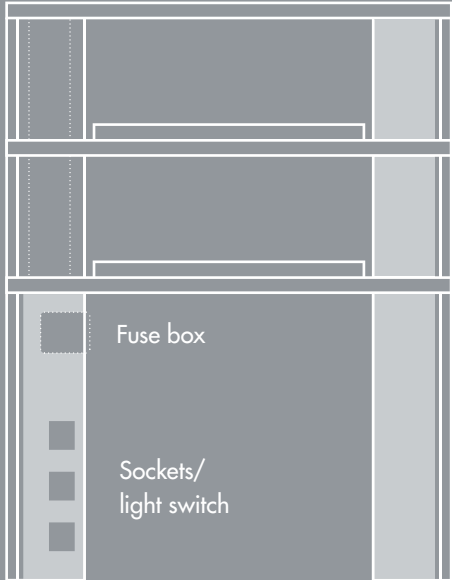
2-compartment shelf	
Order No.	A5810327
3-compartment shelf	
Order No.	A5810328
Corner shelf	
Order No.	A5810329

Illustr. basic module 800, 2-part



SYSTEM SHELVES AND WALL UNITS

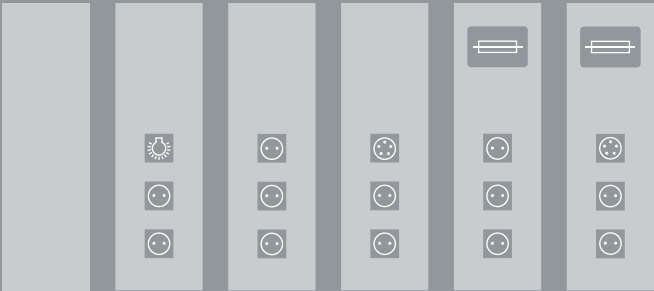
Illustr. for subconstruction 800



Blanking panel

Panel excl. media port
(basic panel)

Illustr. for basic module 800





LED ILLUMINATION

LED ILLUMINATION

Compartments	2	3
Length	713 mm	1113 mm
for shelves		
Order No.	A5810110	A5810109
for wall cabinets with swing doors		
Order No.	A5810251	A5810252
for wall cabinets with swing-up flaps		
Order No.	A5810108	A5810109

Corner	for shelves
Length	2x 513 mm
Order No.	A5810253



MEDIA PANEL

MEDIA PORTS

Basic module height	800 mm	900 mm
Basic panel		
Order No.	A5810093	A5810099
Light switch, 2x 230 V sockets		
Order No.	A5810092	A5810098
3x 230 V sockets		
Order No.	A5810090	A5810096
400 V und 2x 230 V sockets		
Order No.	A5810091	A5810097
3x 230 V sockets fused		
Order No.	A5810094	A5810088
400 V und 2x 230 V sockets fused		
Order No.	A5810089	A5810095

MEDIA PILLARS

Underneath the storage area the fronts of the pillars can be used at both sides and are easily accessible for media ports such as for electricity and switches for illumination. Unused media columns are masked out with HPL as in the shelves level.

ILLUMINATION

Energy efficient LED lights under the upper structure generously illuminate the working area.

The light switch is integrated into the media column.

ADAPTATION

If large pieces of equipment are to be positioned on the working surface, then the lower shelf can be optionally removed.



Light switch



230 V



400 V



Fuse



Illustr. basic module 800 with doors



WALL CABINET, 2-PART



DOORS, 2-PART



WALL CABINET, 3-PART



DOORS, 3-PART


WALL CABINET WITH SWING DOORS

Height	1950 mm	
Basic module height	800 mm	900 mm
2-part wall cabinet for doors		
Order No.	A5810100	A5810101
3-part wall cabinet for doors		
Order No.	A5810102	A5810103
Doors set		
for compartments	2	3
Order No.	A5810249	A5810250

CORNER CABINET WITH SWING DOORS AND CAROUSEL

Height	1950 mm	
Height basic module	800 mm	900 mm
Corner with carousel		
Order No.	A5810381	A5810382
1-part wall cabinet		
Order No.	A8510383	A5810384
Door left		
Order No.	A5810386	
Door right		
Order No.	A5810385	
Swing door corner cabinet		
Order No.	A5810387	

Illustr. basic module 900



Illustr. basic module 900



CORNER WITH CAROUSEL

SYSTEM SHELVES AND WALL UNITS



Illustr. basic module 800 with swing-up flap



WALL CABINET, 2-PART



FLAP, 2-PART



WALL CABINET, 3-PART



FLAP, 3 PART

WALL CABINET WITH SWING-UP FLAP

Height	1950 mm	
Basic module height	800 mm	900 mm
2-part wall cabinet for swing-up flap		
Order No.	A5810104	A5810105
3-part wall cabinet for swing-up flap		
Order No.	A5810106	A5810107
Flaps set		
for compartments	2	3
Order No.	A5810246	A5810247



SWING-UP FLAP

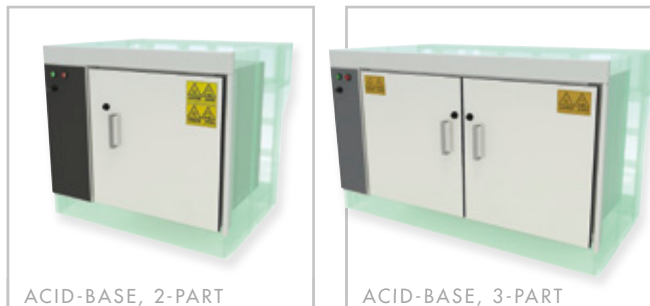


OPEN AND SWING UP

High quality moving components mean that doors and flaps can be closed softly. The easily-moving swing up mechanism stops in every opening position.



Illustration: basic module 800



ACID-BASE MODULE

Compartments	2	3
Basic module height	800 mm	
Order No.	A5810060	A5810058
Basic module height	900 mm	
Order No.	A5810061	A5810059

ACID-BASE MODULE

Functional system for storing acids and bases with air flow monitoring

- » outer body made of powder-coated Aluminium
- » inner frame made of melamin-coated HPL composite panel
- » doors and pull-out drawers made from resistant HPL solid material
- » removable collection tray made from PP plastic on each pull-out drawer
- » both swing-doors (ca. 100° opening angle) separately operated and lockable
- » external door hinges for protection against fumes from aggressive chemicals
- » ventilation per connection adapter (DN75) at the rear side of cabinet

SYSTEM-INTEGRATION SAFETY CABINETS



Illustration: basic module 800



SAFETY MODULE, 2-PART



SAFETY MODULE, 3-PART



COMBINATION, 3-PART

SAFETY MODULE

Compartments	2	3
Basic module height	800 mm	
Order No.	A5810240	A5810238
Basic module height	900 mm	
Order No.	A5810241	A5810239

COMBINED INSERT

Combination acid-bases & safety module		
Basic module height	800 mm	900 mm
Order No.	A5810273	A5810274

SAFETY MODULE

Functional system for storing flammable liquids with air flow monitoring

- » outer body made of powder-coated Aluminium
- » inner frame corresponds to fire resistance class F90 acc. to DIN 4102
- » safety in case of fire: self-closing of drawers and doors via integrated thermal release
- » doors and drawers separately operable and lockable
- » doors lockable in any position (ca. 135° opening angle)
- » cabinet interior completely visible
- » insert trays PE or PP, increased protection against corrosion; removable for easy cleaning
- » ventilation per connection adapter (DN75) at the rear side of cabinet



STORAGE OF CHEMICALS

System lab cabinets with air flow monitoring for storing acids, bases and dangerous chemicals have been specially designed for use in labs and naturally correspond to guidelines for safe and legally-binding storage regulations.

This type of lab cabinet is especially suitable for the storage of flammable liquids.

Lab fume and pharmacy cupboards on request.



SAFETY CABINET & FUME CUPBOARD

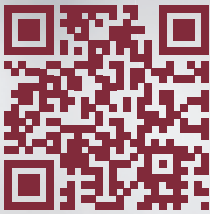


ADVANCED MATERIALOGRAPHY

Sign up for our newsletters!

You will occasionally receive
exclusive information on
seminars/webinars, applications
and product news.

Subscribe now:



www.atm-m.com/newsletter
(You may unsubscribe any time)



ADVANCED MATERIALOGRAPHY

ATM GmbH

Emil-Reinert-Str. 2
57636 Mammelzen · Germany

Telefon +49(0)2681/9539-0
Telefax +49(0)2681/9539-20
E-Mail info@atm-m.com
Internet www.atm-m.com

part of **VERDER**
scientific