



20

PREMIUM QUALITY

MADE IN GERMANY

## SYSTEM LAB FURNITURE



2

Illustrations may include optional equipment

#### CONTENTS

SYSTEM LAB FURNITU	IRE	
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	
		U U

#### LABORATORY FURNITURE

Safety cabinets	22-23
Shelves and cabinets	24-25
Laboratory tables	26-27



## 



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 QATM-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 QATM 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.

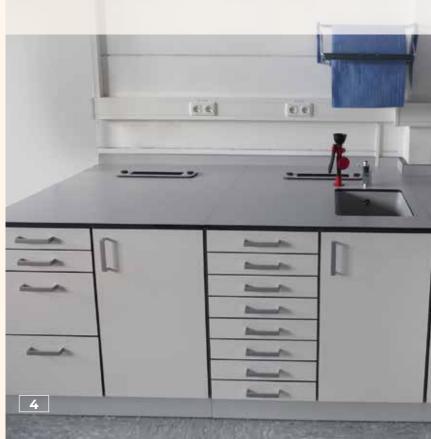
Special care in the construction can be seen in the detail: All furniture elements are screwed together and installed on site. The concept uses every centimeter to ensure optimum storage and use of working space. This furniture system can be either installed as free-standing or put to use in almost infinite 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





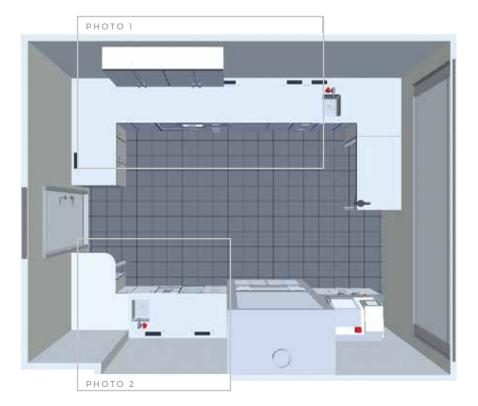
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LAYOUT



PROCESS MEDIA CONNECTIONS





#### 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 QATM.

#### 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.

#### HANDLES

The cast metal handles perfectly match the framework thanks to the same powder coating with white aluminum RAL 9006.



SOLID-CERAMIC





#### DETAILS







#### 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
- Waste collector

#### 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.







BASIC MODULE 2-PARTS			
Width 880 mm			
Height	800 mm	900 mm	
Order No.	A5810001	A5810003	

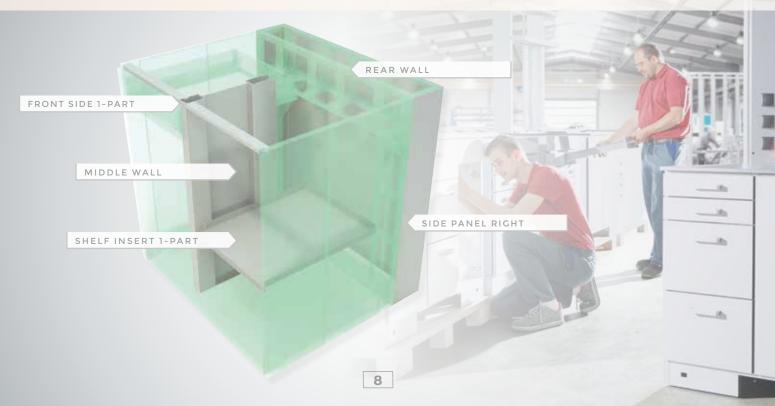
BASIC MODULE 3-PARTS			
Width	1320 mm		
Order No.	A5810002	A5810004	







## SYSTEM BASIC MODULE



#### SUBCONSTRUCTION









#### END SECTION RIGHT

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

ISLAND END SECTION				
Width				
Height	800 mm	900 mm		
Order No.	A5810013	A5810014		

#### END SECTION LEFT

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





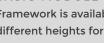
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#### BASIC MODULE

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

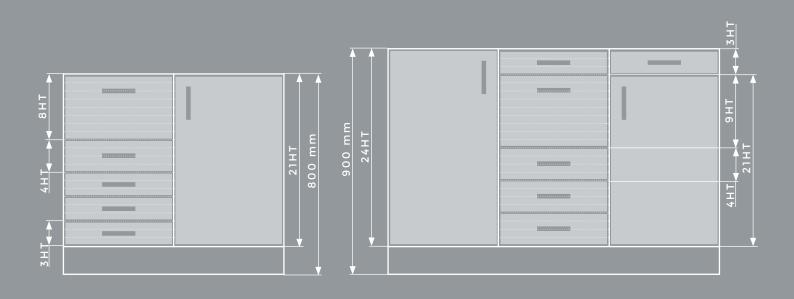
#### TRAY INSERTS

Compartments	1	2
Order No.	A5810082	A5810083





## SYSTEM DOORS AND DRAWERS



#### SUBCONSTRUCTION

Illustr. end stop right





CORNER DOOR FOR CORNER CABINETBasic module height800 mm900 mmEnd stop right00 mm900 mmOrder No.A5810255A5810257End stop left00 mm00 mmOrder No.A5810256A5810258

REVOLVING SHELVES FOR CORNER CABINETOrder No.A5810072A5810073











#### HT-PRINCIPLE

The QATM-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.

Diawei	<u>neigni /</u>	
ΗТ	front	insid
3	92	55
4	124	87

4	124	87
6	188	151
8	252	215
9	284	247

Door	height /	

15	476	
18	572	
20	636	
21	668	
24	764	

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





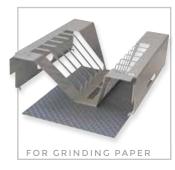


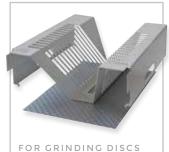
ANTI-SLIP PRO	IECTIVE MAT
Compartments	1
Order No.	Z5810005
Compartments	2
Order No.	Z5810006
DRAWER	
CLEANING CLO	SE DISPENSER
Height	15 HT
Order No.	A5810445

## SYSTEM DOORS AND DRAWERS



#### SUBCONSTRUCTION









WASTE COLLECTOR

DISC STORAGE	
Drawer insert	9 HT (1-part)
for grinding pape	r
Compartments	6
Order No.	A5810352
for grinding discs	
Compartments	13
Order No.	A5810351



INSERT SETS	5			
Set	1	2	3	4
Order No.	Z5810001	Z5810002	Z5810003	Z5810004

WASTE COLLE	ECTOR
Height	15 HT
Order No.	A5810272

#### SYSTEM WASTE COLLECTOR XL

Basic module heig	ht 800 mm	900 mm
Door on right sid	le	
Order No.	A5810414	A5810412
Door on left side	2	
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.

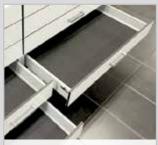
#### PROTECTIVE MATS

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

#### WASTE COLLECTORS

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

Illustr. extension to the right



ection
A5810208
net
A5810077

Illustr. end section left



14





## SYSTEM SURFACES

#### SUBCONSTRUCTION / STRUCTURE

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





#### UTILITY PORTS Cover Order No. A5810269 Large brush cover 2-part Order No. A5810268 Small brushes 2x utility ports A5810372 Order No. Sockets, brush 2x 230 V Order No. A5810373













## 

#### 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

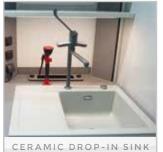
A practical closure to the back wall is provided by an Aluminium profile, whose inner edge is sealed in position with a silicon-plastic strip.



Illustr. mixing faucet



Illustr. arm-operated fittings & eye wash



#### SINKS

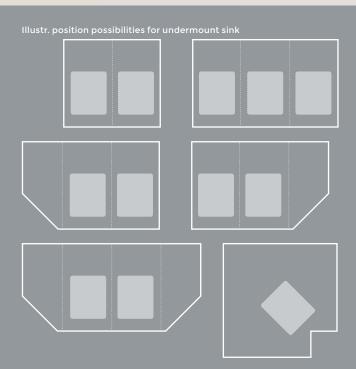
SINKS		
Undermount sink	ceramic	
Compartments	1	
Order No.	A5810265	
Ceramic drop-in s	sink with draining bo	ard
Compartments	2	
Sink	left	right
Order No.	A5810054	A5810055
Sink mat	undermount sink	sink
Order No.	Z5810007	Z5810008

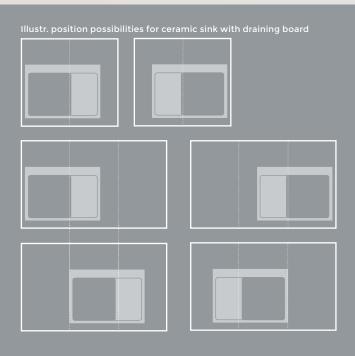
#### FITTING

low pressure	high pressure
A5800022	A5800023
ttings	
A5800475	
A5800045	
	A5800022 ttings A5800475



### SYSTEM WORKING SURFACES





#### Illustration: basic module 800



# UNDER-SINK WATER BOILERCapacity5 LiterPower supply230 V/50 HzOrder 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/50 Hz
Order No.	A5810336

#### SUBSTRUCTURE



SETTLING TANK	
» with insertion mech	anism
» 2-chamber-PVC-co	mpartment 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

WxHxD	366x540(640)x610 mm
Power supply	400V/50 Hz
Order No.	A5800484
Door height	min. 21 HT
» inlet sieve with	filter bag
» 2-chamber-PVC	C-compartment 45 Ltr.
» with insertion n	nechanism
RECIRCULATIO	ON COOLING SYSTEM







#### SYSTEM COOLING UNIT

» for table top models and System-application

Drawer height	18 HT
Order No.	A5810171

#### COOLING UNIT QPRESS 50

» for modular hot m	ounting press
Qpress 50	
Drawer height	21 HT
Power supply	230 V/50 Hz
Order No.	A0800235
Power supply	110 V/60 Hz
Order No.	A0800236



#### 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 she	elf	
Order No.	A5810015	A5810016
3-compartment she	elf	
Order No.	A5810017	A5810018
Corner shelf		
Order No.	A5810032	A5810033

BLANKING P	ANELS	
2-compartment	t shelf	
Order No.	A5810327	
3-compartmen	t shelf	
Order No.	A5810328	
Corner shelf		
Order No.	A5810329	

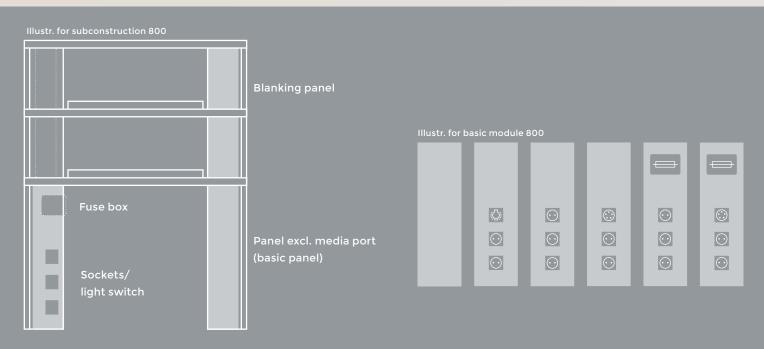


Illustr. basic module 800, 2-part





## SYSTEM SHELVES AND WALL UNITS







MEDIA PANEL

#### 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 fla	ps
Order No.	A5810108	A5810109
-		

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

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 fu	sed	
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.

# └ight switch .230 V .400 V

Fuse

Illustr. basic module 800 with doors



Basic module height 800 mm

2-part wall cabinet for doors

3-part wall cabinet for doors

Height

Order No.

Order No.

Order No.

Doors set for compartments

WALL CABINET WITH SWING DOORS

1950 mm

A5810100

A5810102

A5810249

2



900 mm

A5810101

A5810103

A5810250

3





CORNER CABINET WITH SWING DOORS AND CAROUSEL

Height	1950 mm			
Basic module height	800 mm	900 mm		
Corner with carous	el			
Order No.	A5810381	A5810382		
1-part wall cabinet				
Order No.	A8510383	A5810384		

#### Door left

Order No.A5810386Door rightOrder No.A5810385Swing door corner cabinetOrder No.A5810387

Illustr. basic module 900



## SYSTEM SHELVES AND WALL UNITS



#### WALL MOUNTINGS

Illustr. basic module 800 with swing-up flap









#### 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	3-part wall cabinet for swing-up flap				
Order No.	A5810106	A5810107			
Flaps set					
for compartments	2	3			
Order No.	A5810246	A5810247			







#### 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

2	3
800 mm	
A5810060	A5810058
900 mm	
A5810061	A5810059
	A5810060 900 mm

#### 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





# 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

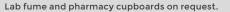
- » outer body made of powder-coated Aluminium
- » inner frame corresponds to fire resistance class F90 acc. to DIN 4102
- » safety in case of fire: self-closing of drawers and doors via integrated thermal release
- » doors and drawers separately operable and lockable
- » doors lockable in any position (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.





SAFETY CABINET & FUME CUPBOARD



SHELF/1950	

Height	900 mm	1200 mm	1950 mm
adjustable shelves	2	3	4
Order No.	M7501031	M7501032	M7501033

ACCESSORIES FOR SHELVES/CABINETS Shelf board 1 Order No. 07501226











## SYSTEM SHELVES AND CABINETS



#### LABORATORY FURNITURE

LABORATORY TABLE, ELECTR. HEIGHT ADJUSTABLE

630-1030 mm

M7500012

Order No.

1320 mm







Width

Height

Order No.



1760 mm

630-1030 mm

M7500013

95014852

#### DESK, ELECTR. HEIGHT ADJUSTABLE

Width	1320 mm	1760 mm
Height	635-1310 mm	635-1310 mm
Order No.	M7502000	M7502001

DESK, MANUAL HEIGHT ADJUSTABLE				
Width	1320 mm	1760 mm		
Height	655-795 mm	655-795 mm		
Order No.	M7502002	M7502003		



# ROLLING CABINETWxHxD435x632x580 mmOrder No.M7501030ACCESSORIES ROLLING CABINETSeperator walls set 3 seperator wallsOrder No.Z7501000Storage bin insert6 insertsOrder No.Z7501001

#### ACCESSORIES FOR DESKS Flexible cable duct 1 Order No. Z7502000 PC holder 1



SHELVES The open shelves are equipped with adjustable shelf boards.

#### CABINETS

The two-door cabinets are equipped with adjustable shelf boards. The cabinets are also available lockable.

#### DESKS

The height-adjustable desks have a 15 mm HPL tabletop and are loadable up to 120 kg. Table height manual: 655 - 795 mm. Table height electric: 635 - 1310 mm. With integrated cable duct and 2 cable inlets.

#### LABORATORY TABLES

The height-adjustable laboratory tables have a table top made of HPL and are loadable up to 400 kg. The tables are made of an extremely solid aluminum metal framework (powder-coated).

Table height electric: 630 - 1030 mm. With integrated cable duct and cable inlet.

#### ROLLING CABINETS

The rolling cabinets have a body made of HPL, 1 utensil compartment, 3 drawers with full extension and a cushioned end closing. The cabinets are lockable, the rollers can be locked.

LAB. TABLE 770/880	LAB. TABLE 770/1320	LAB. TABLE 770/1760	VIBRDAMPED LAB TOP

# Width 880 mm 1320 mm Order No. M7500000 M7500001

VIDIATION AU	inped lab cop
Vibration-dar	nped lab top
LABORATO	RY TABLES

LABORATORY TABLE, HEIGHT 900 MM				
Width	880 mm	1320 mm	1760 mm	
Order No.	M7500003	M7500004	M7500005	



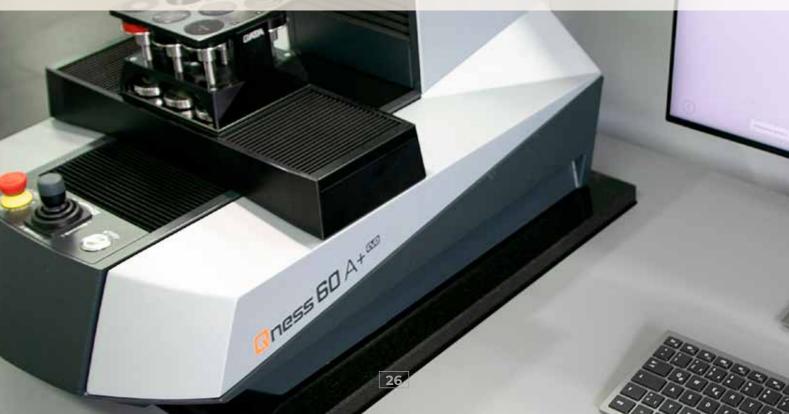




1760 mm

M7500002

## SYSTEM LABORATORY TABLES



#### LABORATORY FURNITURE



#### LABORATORY TABLE WITH STONE PLATE, HEIGHT 770 MM

Width	880 mm	1320 mm	1760 mm
Order No.	M7500006	M7500007	M7500008

LABORATORY	TABLE WITH STONE	PLATE, HEIGHT 90	0 M M
Width	880 mm	1320 mm	1760 mm
Order No.	M7500009	M7500010	M7500011







#### LABORATORY TABLES

The laboratory tables have a cover plate made of HPL and are loadable up to 400 kg. The tables are made of an extremely solid aluminum metal framework (powdercoated). They are available in two different heights: 770 mm or 900 mm. With integrated cable duct and 1 or 2 cable inlets.

#### LABORATORY TABLES WITH STONE PLATE

Laboratory table equipment as described above. Additionally with integrated passiv vibration-damped hard stone plate (W:500 x D:570 mm). Ideal for vibrationsensitive measuring and testing equipment such as hardness testers and microscopes. Recommended load of the hard stone plate: max. 80 kg





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www.qatm.com/newsletter (You may unsubscribe any time) This weblinar offers an introduction into mounting techniques used for materialograph sample preparation. Basic concepts and terms are glaborated. The main focus is sat application examples and application tips. Commonly occurring mintakes, and consu-tion where is interested for and application tips. eponcation examples and application tips, commonly occurring matakes, and const The webinar is primarily focused on beginners or lateral entrants, who are interest fundamentals and have little practical experience in materialography.

Live Webinar: Materialographic Mounting - Basics

MTAN

and Applications

We look forward to your participation. QATM - Materialography & Hardness Testing

Join our live webinar and learn from our expensition the Date & Time common or your oeaw. Questions from attendees are velcome throughout the presentations and will be answered by our expert teams. The presentations will be held in English, attendance is FREE.

wednesday, May 26, 2021 pate:

• 09:00 - 09:45 CEST\* • 16:00 - 16:45 CEST Time:

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#### ATM Qness GmbH

Emil-Reinert-Str. 2 57636 Mammelzen

Fax:

Phone: +49 2681 9539 0

ATM Qness GmbH Reitbauernweg 26

5440 Golling Austria

Phone: +43 6244 34393 +43 6244 34393 30 Fax:

part of VERDER scientific

info@qatm.com www.qatm.com

+49 2681 9539 27