



FLEXIBLE



*Always a step ahead.*



#### THE TANGRAM PUZZLE

*The tangram is a dissection puzzle consisting of seven flat shapes (a square, parallelogram and five triangles), which are put together to form shapes and figures in thousands of variations.*

*Like the tangram puzzle, the ATM System Lab elements can be combined in a variety of ways, creating the perfect system to meet your demands.*



INDIVIDUAL PLANNING



SYSTEM LAB CABINETS



INTEGRATED ELECTRONICS

MANY ELEMENTS CREATE A COMPLETE LAB

INTEGRATED EQUIPMENT



INTEGRATED CONNECTIONS

THE SYSTEM

ATM is your source for creative workspace and equipment solutions. Take your concepts from the drawing board to a fully functioning laboratory with the modular, flexible System Lab platform. System Lab delivers the right combination of options, performance, looks and flexibility for demanding environments. An extensive product portfolio, ranging from manual workbenches to a fully equipped Container Lab, is available.

Be it simple laboratory furniture or floor model machines, every ATM product is manufactured to the highest quality standards with thoughtful features that optimize work flow and space.

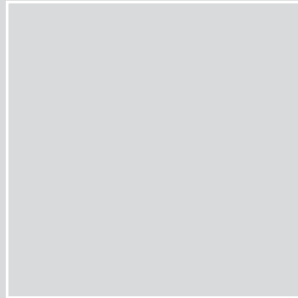


*MADE IN GERMANY*

*ATM has given the materialographic lab a new concept.*

*A complete laboratory actually consists of many system elements. That is what makes the system from ATM so standardized and yet so flexible.*





LAB CABINET



DRAWER INSERT



INTEGRATED EQUIPMENT



AUTOMATION

## THE ATM SYSTEM LAB

ATM has a complete concept for the materialographic laboratory.

With the unique ability to design, engineer and produce an entire line of furniture and equipment, ATM can build typical bench top equipment such as mounting presses, grinders, polishers and cleaning systems into furniture modules.

The end result couples functionality with a sleek, customized look.



#### *MODULAR CONSTRUCTION*

*System Lab cabinets are designed to be freestanding units. This offers the highest degree of flexibility when arranging, modifying or expanding the laboratory workspace.*

*All elements are designed to enable environmentally friendly return of materials.*





INTEGRATED UTILITIES



MODULAR CONSTRUCTION



RECIRCULATION COOLING



THE SYSTEM LAB CABINETS

The cornerstone of System Lab begins with sturdy aluminium cabinets and laboratory grade HPL (high pressure laminate) tops. Standard base cabinets are made in double and triple unit sizes. Corner and end cabinets can be added to create a seamless configuration for almost any floor plan. A variety of drawer and door combinations are available. Each cabinet can include a media rail to house cables and connections. Drawer inserts, elevated shelving units, sinks and a host of other options are available.



#### AUTOMATION

Full automation of the grinding and polishing process becomes an affordable reality with the ATM System Automat. Based on the modular System Lab concept, up to eight grinding, polishing and cleaning stations can be configured to address specific applications and processes. System Automat is fast and simple to program and operate. Full automation for high sample throughput and complex operations maximizes sample preparation reproducibility and lab efficiency.



TRIPLE HOT MOUNTING PRESS



DOUBLE HOT MOUNTING PRESS



HIGH SPEED GRINDER SAPHIR 375



SYSTEMAUTOMAT

LAB FUME HOOD



GRINDING AND POLISHING COMBINATIONS

THE SYSTEM LAB UNITS

System Lab furniture modules can have integrated equipment. With this option, utility connections are primed, and electronic and control components are mounted in drawer units for easy access. Recirculation and sedimentation tanks are designed to slide neatly into the base cabinets.

Build in options for System Lab:

- » OPAL Mounting Press
- » Cooled Recirculation System
- » SAPHIR Grinder/Polisher
- » Stone Grinder
- » VACU-JET System
- » RUBIN Polishing Head
- » Ultrasonic Cleaner
- » High Pressure Cleaner
- » Ceramic or Plastic Sinks
- » Fume Hood
- » Purification Filter System



#### YOUR WISH

*Your challenges drive our creative spirit. ATM is the leader for innovative systems and solutions. Come see what we can design for you.*

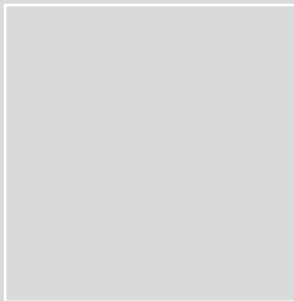


TOP VIEW LAB LAYOUT



ATM 3D VIRTUAL DEMONSTRATION

DATABASE



CUSTOM MADE COLOURS

THE ATM 3D LAB

View your new lab virtually!

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.

Avoid costly mistakes with the help of this visual planning tool.

The database compiles a list of all materials in the design and generates a price quotation. ATM 3D Lab CAD drawings, scaled to metric or imperial measurements, are available in electronic format for easy download and viewing.

Your ATM representative can assist you with the planning of your custom designed materialographic equipment or laboratory.

**ATM GMBH**

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*The consumables were tested in our central lab and specifically selected for our machines.*

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» MATERIALOGRAPHY