

BUEHLER®
TECH-MET®
LABORATORY FURNITURE



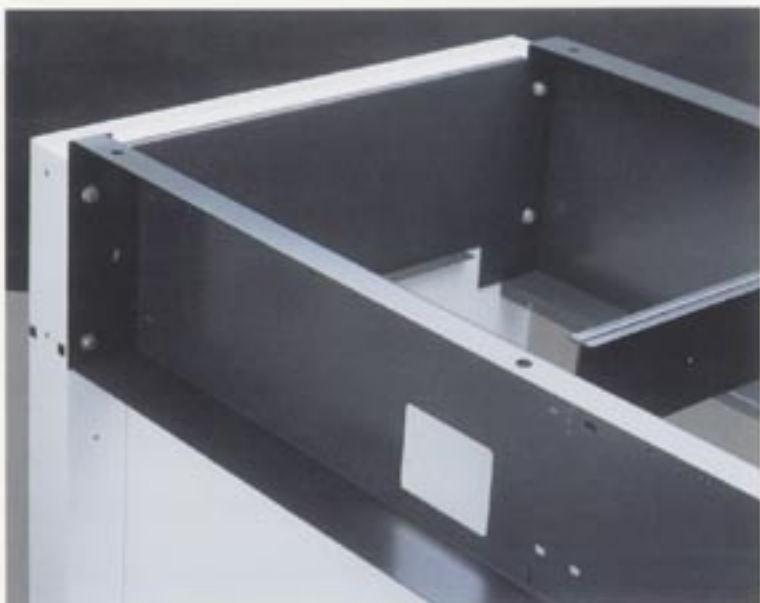
BUEHLER® TECH-MET®

Laboratory furniture should be built to endure heavy-duty use. At the same time, it should offer the flexibility and options to fit the needs of diverse application requirements.

The all-new line of TECH-MET® Laboratory Furniture from BUEHLER gives you all of this and more! Its heavy-duty construction surpasses that of any other laboratory furniture available, providing years of rugged, dependable service. Modular design allows you to custom tailor your furniture layout to fit your specific requirements. The result...beautiful laboratories which provide long-lasting, maximum operational efficiency!

Major TECH-MET® Furniture design features include:

- Heavy gauge cold-rolled steel center sections on all tables; deep channel construction for maximum strength
- Reinforced box-section legs and sides constructed with 16 and 18 gauge steel that eliminate the "oil canning" often prevalent in products of lesser quality
- Heavy-duty 1¼" thick counter tops with rolled front edges, coved backsplashes, T-section braces and reinforced perimeters; durable, chemical resistant, easy to maintain laminated counter top surfaces and edges
- Handy, built-in storage bins (In all Tables except Corner and Microscope Tables) that pivot on silent brass bushings and latch with powerful (12 lb.) magnetic catches; Ideal for storage of small hand-tools, equipment instruction manuals, etc.
- Non-marring leveling feet which can be adjusted with standard hand-tools; equipped with neoprene pads to minimize sliding on smooth floors
- Tables available in three different widths (30", 54" and 78") and two different heights (30" or 36"), all with 30" deep tops
- Optional cabinet modules which can be equipped with 6" and/or 3" deep drawers, adjustable height shelves or full extension roll-out shelves



Heavy gauge steel construction assures stability and long service life.



Built-in Storage Bins provide handy access locations for tools and instruction manuals.





TECH-MET® Furniture can make your new or existing laboratory an efficient and ergonomic work environment. Modular design provides virtually unlimited flexibility. Furniture color and styling assures compatibility with any decor.

Table Specifications and Selection Guide

Note: TECH-MET® Furniture is described in terms of "units". A 1 unit table is 30" (76 cm) wide, a 2 unit table is 54" (137 cm) wide and a 3 unit table is 78" (198 cm) wide. In the typical microstructural analysis laboratory, a 3 unit table would accommodate three pieces of sample preparation equipment.

A "microscope" table is similar to a "low" (30" high) table except that it is constructed with a shallow center section in order to provide knee space for an operator who is seated at the table.

Standard Tables

Model	Style*	Tables w/o Cabinets	Microscope Tables w/Flat Top	Tables w/Acid Resistant Flat Top**
1 Unit 30"W x 30"D (76 x 76 cm)	Low 30" H (76 cm)	48-8271	48-8571	
	High 36" H (91 cm)	48-8281		
2 Unit 54"W x 30"D (137 x 76 cm)	Low 30" H (76 cm)	48-8272	48-8572	
	High 36" H (91 cm)	48-8282		48-8582 48-8584
3 Unit 78"W x 30"D (198 x 76 cm)	Low 30" H (76 cm)	48-8273	48-8573	
	High 36" H (91 cm)	48-8283		48-8583 48-8585

Corner Tables

Model	Style*	Tables w/Sink & Cabinet	Tables w/Turn Table	Tables w/Cabinet
42½" W × 32" D (108 × 81 cm)	Low 30" H (76 cm)	48-8376	48-8378 48-8379***	48-8377
	High 36" H (91 cm)	48-8386	48-8388	48-8387

* All heights are from the floor to the table top. To determine overall height including the backsplash, add 6" (20.3 cm). Unless stated otherwise, tables are supplied with tops containing a backsplash. Flat tops are available upon request.

** Recommended for use with TECH-MET® Fume Hoods. 48-8582 and 48-8583 include special acid-resistant sink.

*** Includes flat top to match microscope tables.

Table-Mounted Drawer Modules

Model	Drawer Quantity	Drawer Height	Module Width
1 Unit 48-8392	3	6" (15 cm)	24" (61 cm)
1 Unit 48-8393	6	3" (8 cm)	24" (61 cm)
1 Unit 48-8394	5	1 @ 6" (15 cm) and 4 @ 3" (8 cm)	24" (61 cm)
1 Unit 48-8395	4	2 @ 6" (15 cm) and 2 @ 3" (8 cm)	24" (61 cm)

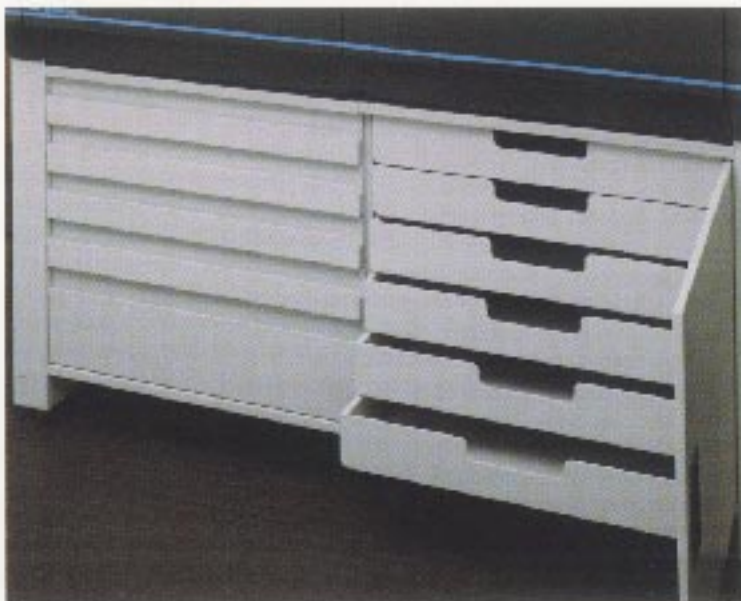
Table-Mounted Cabinets and Shelves

Model	Cabinet Modules	Full Extension Shelves	Adjustable Shelves
1 Unit 24" W (61 cm)	48-8389 w/swinging door and shelf	48-8398	48-8396
2 Unit 48" W (122 cm)	48-8390 w/sliding doors and shelf		48-8397
2 Unit 48" W (122 cm)	48-8391 w/swinging doors and shelf	48-8399	48-8397

Drawer and cabinet modules can be mounted individually, in multiples and in combination with each other in 1, 2, and 3 unit 36" high tables and microscope tables. Specify mounting locations when ordering.

Wall Cabinets

Model	Cabinets with Wall Mounting Brackets and Overhead Light, 115V/60 Hz/1 phase
2 Unit 52" W × 15½" D × 22" H	48-8082-115
3 Unit 72" W × 15½" D × 22" H	48-8083-115



Cabinet Modules may be equipped with 6" and/or 8" deep Drawers and roll-out, Full Extension Shelves.

- Drawers and full extension shelves equipped with aircraft quality ball-bearing slides; each drawer and shelf capable of carrying 150 lbs. of distributed load at full extension

- Corrosion and chip resistant heat-cured alkyd-polyester paint finish on all steel surfaces for long-lasting beauty and ease of maintenance

- Neutral furniture colors compatible with virtually any decor or equipment color; perfect match with BUEHLER® equipment

There are many things to consider when planning a new laboratory or replacing equipment in a present facility. Such considerations as table widths, counter top heights, placement of sinks, cabinet and drawer modules, flush mounted grinder/polisher installation, plumbing and services are all ways to improve the laboratory function while making it more efficient and cost effective.

BUEHLER can help in the development of your laboratory through design recommendations, facility planning, and expense-free guidance and consultation. Whatever your laboratory furniture requirements, rugged, versatile, contemporary TECH-MET® Laboratory Furniture is the ideal choice for the materials analysis laboratory.



The TECH-MET® Laboratory Furniture line also accommodates BUEHLER® flush-mounted grinder/polishers.



Corner Tables provide efficient continuous counter top surfaces. Seamless backplashes and optional Resport shelves add convenience and utility access space.



Reagent Shelves, End Filler Kits, and Fascia Panels give your laboratory installation a finished look.



Stainless steel sinks and faucets may be located as needed.



Table-Top Cup Drains provide convenient access for equipment drainage.



Optional Service Modules provide water and compressed air utilities. Duplex receptacles provide 115V electrical power.

Accessories

No. 48-8320 TECH-MET[®] Reagent Shelf Kit, including 8" (20 cm) straight laminate covered shelf and mounting instructions. For use between the coved back panel of TECH-MET[®] 1, 2, or 3 unit tables and wall. Special order item. The exact lengths and number of shelves to be determined by the individual installation.

No. 48-8321 TECH-MET[®] Reagent Shelf Kit, including laminate covered corner shelf and mounting instructions. For use between the coved back panel of TECH-MET[®] corner table and wall. Special order item. The exact configuration and number of shelves to be determined by the individual installation.

No. 48-8300 TECH-MET[®] Filler Kit, with mounting brackets and screws, laminate covered top, formed front panel and installation instructions. Special order item for filling gaps in wall-to-wall TECH-MET[®] Furniture installations. Available for any width from 4" (10 cm) to 29" (74 cm). Specify exact requirements.

No. 48-8310 TECH-MET[®] End Filler Kit, including separate 7" (18 cm) wide sheet metal and laminate covered end panels with mounting bracket, for filling the 7" space between TECH-MET[®] table and wall.

No. 48-8411 Drawer Liners, for protecting 24" (61 cm) TECH-MET[®] drawers and shelves. Package of 10 heavy duty rubber liners.

No. 48-8412 Drawer Liners, for protecting 48" (122 cm) TECH-MET[®] shelves. Package of 10 heavy duty rubber liners.

No. 48-8493 Fascia Panel, for finishing the exposed sides of Cabinet and Drawer Modules mounted in TECH-MET[®] tables.

Service Accessories

No. 40-2120 Rectangular Stainless Steel Sink, including one mixing faucet with swing spout. Specify choice of location when ordering.

No. 40-2121 Duplex Receptacle, two 115V electrical outlets with ground fault interrupter, mounted in backsplash. Specify choice of mounting location when ordering.

No. 40-2122 Table-Top Cup Drain, accommodates one large 1 $\frac{3}{16}$ " drain hose or up to four 3/8" drain hoses. Specify choice of location when ordering.

No. 40-2123 Service Module, provides two air outlets with filter, pressure regulator, gauge and quick disconnect fittings; and two cold water outlets with master water control knob, in convenient backsplash mounted service panel. Specify choice of mounting location when ordering.

No. 40-2124 Drain Kit, including PVC tubing, seals and couplings for direct connection to one Rectangular Sink or Table-Top Drain Cup. Multiple Drain Kits required for multiple Sinks or Drain Cups.

For information regarding TECH-MET[®] Grinder/Polisher Tables and TECH-MET[®] Fume Hoods, see Section 3 of the BUEHLER ANALYST[®].