



Item # \_\_\_\_\_

Job \_\_\_\_\_



LABORATORY SOLUTIONS — STAINLESS

## Metro® LAB SOLUTIONS

Metro's line of stainless laboratory solutions address a wide range of laboratory requirements while providing corrosion proof performance, ensuring long life and maximum value for your investment. Metro's innovative product designs are extremely versatile and allow you to reconfigure, add-on, or break-down product as your needs change over time. Laboratory solutions are designed to fit any budget by permitting the user to select from a wide range of caster solutions, based on budget and/or application requirements. Metro's Stainless Laboratory Solutions include:

- Stainless Worktables designed specifically for Lab environments.
- All-stainless solid shelves designed for cart wash and autoclave applications.
- All-stainless lab carts featuring corrosion-proof performance.
- All-stainless mouse cage racks designed specifically for Animal Research environments.
- High temperature casters designed for cart wash and autoclave applications.
- Autoclave cart covers.
- **Strong, Durable Construction:** Built primarily from Type 304 stainless, Metro's Laboratory Solutions provide long-life performance and excellent corrosion resistance. Innovative product designs ensure unit rigidity and optimum load bearing performance.
- **Easy to Assemble:** Units are shipped knocked down and assemble in minutes. Solid shelves utilize a tapered sleeve which provides a positive lock for shelves when pushed down. Table construction also utilizes tapered sleeve approach, as well as innovative double-sided tape to affix various top materials.
- **Versatile:** Metro Lab Solutions can change as quickly as your needs change. By using various accessories, including multiple caster options, many different product configurations become possible.
- **Laboratory Considerations:** Product designs feature smooth surfaces that are easy to wipe down. A number of the cart solutions and accessories are designed to be cart-washed or autoclaved to ensure optimum cleanliness. Product footprints are designed to be compact to accommodate lab space constraints and to capitalize on technological miniaturization trends towards smaller equipment and instruments.



*LTSM60UIS with accessories and casters*



*LTSM30IS with casters*



*LC2S2436 with autoclave casters*



*5MHTP and 5MHTPB  
(Hi-temp phenolic autoclave casters)*



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52.03

# Specifications

## Countertop (Lab Worktables):

**Stainless Steel Tops:** 16 gauge (.060) thick, Type 304 Stainless Steel, #3 Polish with vinyl protection. Island tops have bull nose front and back edge. 4" (102mm) high brake-formed backsplash on backsplash models.

**Phenolic Top:** TRESPA Top Lab Plus (black or gray) phenolic resin.

**Phenolic Backsplash:** TRESPA Athlon (black or gray) phenolic resin.

**Bottom Shelf:** 16-gauge T-304 stainless steel. 30" x 30" (760 x 760mm) work tables have 24" x 24" (610 x 610mm) bottom shelves; 30" x 36" (760 x 914mm) work tables have 24" x 30" (610 x 760mm) bottom shelves; 30" x 48" (760 x 1219mm) work tables have 24" x 42" (610 x 1066mm) bottom shelves; 30" x 60" (760 x 1524mm) work tables have 24" x 54" (610 x 1370mm) bottom shelves.

**Bottom Frame:** Three-sided 16-gauge stainless tubular frame. 30" x 30" (760 x 760mm) work tables have 24" x 24" (610 x 610mm) bottom frames; 30" x 36" (760 x 914mm) work tables have 24" x 30" (610 x 760mm) bottom frames; 30" x 48" (760 x 1219mm) work tables have 24" x 42" (610x1066mm) bottom frames; 30" x 60" (760 x 1524mm) work tables have 24" x 54" (610 x 1370mm) bottom frames.

**Posts:** Stainless steel posts have an outside diameter of 1 5/8" (38mm), with rolled grooves in 2" (51mm) increments along entire height. **Mobile posts include an adapter insert that can accept any standard Metro 5M series casters.** (Casters ordered separately.)

## Stainless Lab WorkTables

- Stainless steel construction throughout provides corrosion-proof performance.
- Table features smooth surfaces that are easy-to-clean. Mobile units can be easily moved to clean behind table area.
- Available top materials include Type 304 stainless and TRESPA phenolic resin (black or gray). Refer to chart below for more information.
- Choose from a wide range of accessories and caster options (page 4) to customize table.



**LTS30US with accessory stainless wire shelf**

Countertop Application Matrix							
Use Area	Epoxy Resin	Phenolic Resin	Stainless Steel	Characteristics	Epoxy Resin	Phenolic Resin	Stainless Steel
				Heat Resistance	Excellent	Fair*	Excellent
Low chemical use				Abrasion Resistance	Good	Excellent	Good
Moderate chemical use	X	X		Impact Resistance	Good	Excellent	Good
High chemical use		X	X	Strength	Good	Excellent	Good
				Stain Resistance	Good	Good	Good

\*Discolors with high heat

**Note:** Phenolic resin and stainless are offered as top options for this table system. **Epoxy resin information is shown for comparison only.**

### Definitions:

**Phenolic resin:** Compression molded of organic fiber-reinforced phenolic core with an integrally cured thermoset resin surface. Stronger than Epoxy resin over a span, and not as brittle.

**Stainless Steel:** Worksurfaces are fabricated from Type 304 stainless steel which provides excellent protection in corrosive environments.

**Epoxy resin:** Epoxy resins, silica, organic fillers, and inert hardeners are cast in forms and cured to a uniform mixture throughout.



**LTSM30IS with casters**

## Select Table Style from Chart Below and Following Page:

### Lab Tables with **Stainless Island Top** and **Solid HD Shelf**

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile		(lbs.)	(kg)
LTS30IS	LTSM30IS	30.000	762	29.750	755	35.375	898	35.188	893	65	30
LTS36IS	LTSM36IS	30.000	762	35.750	908	35.375	898	35.188	893	80	36
LTS48IS	<b>LTSM48IS</b>	30.000	762	47.750	1212	35.375	898	35.188	893	103	47
LTS60IS	LTSM60IS	30.000	762	59.750	1517	35.375	898	35.188	893	140	63

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.



**LTSM30IS with casters**  
(ordered separately)

### Lab Tables with **Stainless Island Top** and **3-Sided Frame**

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile		(lbs.)	(kg)
LTS30UIS	LTSM30UIS	30.000	762	29.750	755	35.375	898	35.188	893	58	26
LTS36UIS	LTSM36UIS	30.000	762	35.750	908	35.375	898	35.188	893	70	32
LTS48UIS	LTSM48UIS	30.000	762	47.750	1212	35.375	898	35.188	893	91	41
LTS60UIS	LTSM60UIS	30.000	762	59.750	1517	35.375	898	35.188	893	119	54

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.



**LTSM60UIS with accessories**  
and casters

### Lab Tables with **Stainless Backsplash Top** and **Solid HD Shelf**

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile		(lbs.)	(kg)
LTS30S	LTSM30S	30.000	762	29.750	755	35.375	898	35.188	893	65	30
LTS36S	LTSM36S	30.000	762	35.750	908	35.375	898	35.188	893	80	36
LTS48S	LTSM48S	30.000	762	47.750	1212	35.375	898	35.188	893	103	47
LTS60S	LTSM60S	30.000	762	59.750	1517	35.375	898	35.188	893	140	63

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.

### Lab Tables with **Stainless Backsplash Top** and **3-Sided Frame**

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile		(lbs.)	(kg)
LTS30US	LTSM30US	30.000	762	29.750	755	35.375	898	35.188	893	58	26
LTS36US	LTSM36US	30.000	762	35.750	908	35.375	898	35.188	893	70	32
LTS48US	LTSM48US	30.000	762	47.750	1212	35.375	898	35.188	893	91	41
LTS60US	LTSM60US	30.000	762	59.750	1517	35.375	898	35.188	893	119	54

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.



**LTS30US with accessory wire shelf**

### Lab Tables with **Black Phenolic Top** and **Solid HD Shelf** (Backsplash accessory ordered separately)

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile		(lbs.)	(kg)
LTS30PB	LTSM30PB	30.000	762	29.750	755	36.000	914	35.875	911	77	35
LTS36PB	LTSM36PB	30.000	762	35.750	908	36.000	914	35.875	911	92	41
LTS48PB	LTSM48PB	30.000	762	47.750	1212	36.000	914	35.875	911	113	51
LTS60PB	LTSM60PB	30.000	762	59.750	1517	36.000	914	35.875	911	141	64

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.

### Stainless Lab Tables (cont'd.)

Lab Tables with **Black Phenolic Top** and **3-Sided Frame**  
(Backsplash accessory ordered separately)

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary (in.)	Stationary (mm)	Mobile (in.)	Mobile (mm)	(lbs.)	(kg)
LTS30UPB	LTSM30UPB	30.000	762	29.750	755	36.000	914	35.875	911	70	32
LTS36UPB	LTSM36UPB	30.000	762	35.750	908	36.000	914	35.875	911	82	37
LTS48UPB	LTSM48UPB	30.000	762	47.750	1212	36.000	914	35.875	911	101	46
LTS60UPB	LTSM60UPB	30.000	762	59.750	1517	36.000	914	35.875	911	120	54



**LTSM60UPB with accessories, casters, backsplash accessory, and Starsys™ cart**

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.

Lab Tables with **Gray Phenolic Top** and **Solid HD Shelf**  
(Backsplash accessory ordered separately)

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary (in.)	Stationary (mm)	Mobile (in.)	Mobile (mm)	(lbs.)	(kg)
LTS30PG	LTSM30PG	30.000	762	29.750	755	36.000	914	35.875	911	77	35
LTS36PG	LTSM36PG	30.000	762	35.750	908	36.000	914	35.875	911	92	41
LTS48PG	LTSM48PG	30.000	762	47.750	1212	36.000	914	35.875	911	113	51
LTS60PG	LTSM60PG	30.000	762	59.750	1517	36.000	914	35.875	911	141	64



**LTSM60UPG with accessories, casters, backsplash accessory, and Starsys™ cart**

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.

Lab Tables with **Gray Phenolic Top** and **3-Sided Frame**  
(Backsplash accessory ordered separately)

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary (in.)	Stationary (mm)	Mobile (in.)	Mobile (mm)	(lbs.)	(kg)
LTS30UPG	LTSM30UPG	30.000	762	29.750	755	36.000	914	35.875	911	70	32
LTS36UPG	LTSM36UPG	30.000	762	35.750	908	36.000	914	35.875	911	82	37
LTS48UPG	LTSM48UPG	30.000	762	47.750	1212	36.000	914	35.875	911	101	46
LTS60UPG	LTSM60UPG	30.000	762	59.750	1517	36.000	914	35.875	911	120	54

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.


Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.

For **Mobile Stainless Lab Tables**, Select Appropriate Casters from Caster Selection Guide, below:


**(Four brake casters are recommended for maximum table stability)**

Caster Selection Guide										
Caster Series	Wheel Material	Rollability	Floor Protection	Noise	Load Rating		Corrosion Resistance	Cart Washable	Antimicrobial Additive in Wheel	
					(lbs.)	(kg)				
5MDA/5MDBA (brake)	High Modulus Rubber	Good	Good	Low	250	114	Low	No	No	
5MP/5MPB (brake)	Polyurethane	Good	Good	Moderate	300	137	Low	No	No	
5PC/5PCB (brake)	Polyurethane	Good	Good	Moderate	300	137	High	No	No	
5PCM/5PCBM (brake)	Polyurethane	Good	Good	Moderate	300	137	High	No	Yes	
5MPGSA/5MPBGSA (brake)	Polyurethane	Good	Good	Moderate	300	137	High	Yes	No	


**NOTE:** The total weight of the equipment and its load should not exceed three times the load rating per caster.  
Additional stem casters, in various sizes and wheel materials, are available. Contact your Metro rep for more information.




**5MDA**




**5MP**



**5PCB**



**5PCBM**



**5MPGSA**

**Note:** Use heavy-duty mobile post adapter (Cat. No. 9974HDP-4) to convert HD Stationary post to accept any standard Metro 5M series casters (shown above).