



TM-6 shown with Screen Trays and Doors open



Foot-operated Tray Clamping



Feed Hopper elevated



TM-5 shown with Screen Trays and Doors open

Test-Master® Testing Screens feature a counter-balanced drive assembly with internal rotating counterweights to equalize the vertical screening action and assure smooth, quiet operation. The Test-Master® can be placed anywhere with no need for permanent bolting to the floor. Sample vibration characteristics are identical to our TS-1 and TS-2 models.

Test-Master models have a full enclosure covering all moving parts that lessens operational noise and confines and controls airborne respirable quartz, silica, crystalline particles in the breathing zone of personnel.

The panel doors open flat across the front and feature a safety interlock to prevent operation when open. A 1.6ft³ (45.3L) integrated hopper allows incremental introduction of sample material during operation. The hopper is hinged at the rear and has a panel to block dust when closed.

A built-in electronic LED digital controller displays time remaining and sounds an audible tone at the end of the test cycle. Test cycles lasting up to 99 minutes, 59 seconds may be programmed and cycles can be interrupted without loss of test time. An ergonomic foot-pedal easily operates the hydraulic

clamping and pressure release system for the screen trays. Both operate with powerful, capacitor-start 1/3hp motor. Standard models operate on 115V/60Hz power. Units ordered with "F" model number suffix operate on 230V/50Hz and re shipped without an electrical plug. **Product Dimensions:** 28x35x50in (711x889x1,270mm).

- TM-5 Test-Master® has a capacity of six Screen Trays plus a Dust Pan.
- TM-5 Test-Master® has a capacity of six Screen Trays plus Dust Pan. The wider tray spacing of the TM-5 allows more efficient separation of samples with higher fractions of coarse aggregates.
- TM-6 Test-Master® holds up to seven Screen Trays plus Dust Pan. An extra tray increases efficiency when separating samples into multiple size fractions.

Gilson® Test-Master Testing Screens

Gilson Test-Master®, 6-Tray Capacity, 115V/60Hz	TM-5
Gilson Test-Master®, 7-Tray Capacity, 115V/60Hz	TM-6

Accessories

Sound Enclosure	TSA-180
Clean-N-Weigh	TSA-167
Screen Tray Rack	TSA-156
Speed Variation Accessory for Test-Master, 115V/60Hz	TSA-153
Low-Amplitude Drive Shaft for Test-Master (factory-installed)	TSA-201

contactus

Contact a Gilson Technical Support Specialist to discuss optimizing Testing Screen Performance for special materials.



PS-4 shown with Screen Trays



PSA-367



PSA-312 on PS-3



PSA-356 shown with Screen Trays



Foot-Tab leveling

GILSON PORTA-SCREEN®

- > Counterbalanced mechanism for smooth operation
- > Portable for mobile applications
- > Smaller screens are easier to handle

Gilson's Porta-Screen® has long been the accepted standard portable screen for quality control of construction aggregates at asphalt and ready-mix plants. Porta-Screen® models are designed for performance durability, yet are light enough to be portable. Designed for best separation in the 2in (50.8mm) to No.16 (1.18mm) range, it is often used to sieve materials to No.200 (75µm). Porta-Screens are also useful for separations of many other materials. Capacity depends on test material characteristics but may range up to 60lb (27.3kg) per test. PS-3 holds five screen trays and pan. PS-4 holds seven screen trays and pan to permit two added mesh sizes per test. Both the PS-3 and PS-4 fit inside the TSA-180 sound enclosure. Vibration of both models is mechanically counterbalanced for smooth, stable operation; no mounting is required. A built-in electronic digital timer has an LED display of remaining test time and issues a 5 second audible alarm at zero. Timer resets to repeat times which can be programmed up to 99 minutes, 59 seconds. Standard models operate on 115V/60Hz power. Units ordered with "F" model number suffix operate on 230V/50Hz and are shipped without an electrical plug. **PS-3 Product Dimensions:** 21x15x42in (533x381x1,219mm), WxDxH. **PS-4 Product Dimensions:** 21x15x48in (533x381x1,067mm), WxDxH.

Screen Trays and Dust Pans for the Porta-Screen® units are ordered separately. Trays have 14x14in (356x356mm) screen area and are quickly secured for operation by dual hand clamp levers. When levers are released, trays are individually-removable for convenient emptying, cleaning and weighing operations. Wire cloth sizes No.4 and larger have metal shields around edges to cover partial openings for accuracy of separations. Porta-Screen® trays with wire cloth in the No.16 to No.80 (1mm to 180µm) range have three added support ribs. No.100 (150µm) and finer trays are supplied with backup cloth. Replaceable stainless steel wire cloth is available in all sizes. **Tray Dimensions:** 16x16.5x3in (406x419x76mm), WxDxH.

The vibrating assembly is mounted on hardened guide pins. The 1/3hp motor, drive shaft and connecting rod are synchronized with a rotating weight counter-balance system. All are enclosed by the enameled steel case. The machine is quickly leveled by foot tab adjustment of the three support legs while watching an indicator bubble on the top frame.

PSA-114 Porta Wheels can be attached for added mobility. Ball-bearing wheel assemblies with rubber tires quickly attach to the frame of the Porta-Screen®.

PSA-312 Porta Cover bolts to the top flange to enclose the sample chamber. It has a latch and hinged to open for introduction of samples.

PSA-367 Porta Sample Pan is helpful in emptying and cleaning trays and in weighing operations. This chute-end pan fits inverted trays and holds entire samples for cumulative weighing. Handling is easy with the top swing-away handle and end handle grip. **Product Dimensions:** 17x30x4in (432x762x102mm), WxDxH.

PSA-356 Porta-Screen® Tray Rack organizes up to eight Porta-Screen trays for storage and to protect frames and wire cloth from possible damage. Sturdy painted steel sections can be bolted together for stacking. Assembly required. **Product Dimensions:** 18.9x17.4x30.2in (480x442x767mm), WxDxH.

Gilson Porta-Screen®	
Gilson Porta-Screen®, 5 Trays capacity, 115V/60Hz	PS-3
230V/50Hz	PS-3F
Gilson Porta-Screen®, 7 Trays capacity, 115V/60Hz	PS-4
230V/50Hz	PS-4F
Accessories	
Sound Enclosure	TSA-180
Porta Wheels	PSA-114
Porta Cover	PSA-312
Porta Sample Pan	PSA-367
Porta-Screen® Tray Rack	PSA-356

Find Estimated Ship Weights for all our products in the Ship Weight Index



Testing Screen & Test-Master® Trays



Porta-Screen® Trays

ASTM SCREEN TRAYS ASTM E11, E323

Gilson Screen Trays for Testing Screen, Test-Master® and Porta-Screen® units have stainless steel cloth and meet ASTM E11 specifications of Non-ASTM sizes of 1/8in and 1/16in are available as TSA-101 and TSA-126A or PSA-301 and PSA-326A for Porta-Screen®.

Testing Screen and Test-Master Trays with No.16 (1.18mm) and finer wire cloth include metal ribs installed to support mesh. No.4 stainless steel backing cloth reinforcement is included in Testing Screen Trays with No. 230 and finer cloth and may be added to other trays with or without support ribs. Backing Cloth is intended for use as reinforcement and features flat-rolled surfaces to prevent abrasion of finer cloth. Porta-Screen trays with cloth from No.16 to No.100 use metal support ribs and No.4 stainless steel backing cloth is included on these trays with mesh from No.100 to No.400 opening sizes. Dust Pans for testing screens are 1.6in (40mm) deep and Porta-Screen Dust Pans are 2.9in deep. Both have a capacity of approximately 0.4ft³ (11L). Testing Screen and Test-Master® (cloth only) is 16x24in (406x609mm). Porta-Screen® (cloth only) is 15x15in (381x381mm).

Blank trays (with no wire cloth) for Testing Screen and Test-Master models are available as TSA-136 to accept No.4 and coarser mesh and TSA-137 for cloth No.5 and finer. For Porta-Screen models, order PSA-336 Blank Tray. Round Hole Perforated Plate Sizes for Testing Screen and Test-Master machines are punched openings in steel plate as used for coal testing and other special materials and meet ASTM D4749 and E323. Verification services to ASTM E11 Inspection or Calibration Grades are available for Screen Trays. For details, see listing for Test Sieve Verification Services.

ASTM E11 Screen Trays					
Screen Designation		Testing Screen & Test-Master®		Porta-Screen	
Alternate	Standard	Full Tray	Cloth Only	Full Tray	Cloth Only
-	125.0mm	TSA-99 5"	TSA-124 5"	n/a	n/a
-	106.0mm	TSA-110 4.24"	TSA-132 4.24"	n/a	n/a
-	100.0mm	TSA-100 4"	TSA-125 4"	n/a	n/a
3-1/2in	90.0mm	TSA-100 3-1/2"	TSA-125 3-1/2"	n/a	n/a
3in	75.0mm	TSA-100 3"	TSA-125 3"	Inquire	Inquire
2-1/2in	63.0mm	TSA-100 2-1/2"	TSA-125 2-1/2"	Inquire	Inquire
2.12in	53.0mm	TSA-110 2.12"	TSA-132 2.12"	Inquire	Inquire
2in	50.0mm	TSA-100 2"	TSA-125 2"	PSA-300 2"	PSA-325 2"
1-3/4in	45.0mm	TSA-100 1-3/4"	TSA-125 1-3/4"	PSA-300 1-3/4"	PSA-325 1-3/4"
1-1/2in	37.5mm	TSA-100 1-1/2"	TSA-125 1-1/2"	PSA-300 1-1/2"	PSA-325 1-1/2"
1-1/4in	31.5mm	TSA-100 1-1/4"	TSA-125 1-1/4"	PSA-300 1-1/4"	PSA-325 1-1/4"
1.06in	26.5mm	TSA-110 1.06"	TSA-132 1.06"	PSA-299 1.06"	PSA-324 1.06"
1in	25.0mm	TSA-100 1"	TSA-125 1"	PSA-300 1"	PSA-325 1"
7/8in	22.4mm	TSA-100 7/8"	TSA-125 7/8"	PSA-300 7/8"	PSA-325 7/8"
3/4in	19.0mm	TSA-100 3/4"	TSA-125 3/4"	PSA-300 3/4"	PSA-325 3/4"
5/8in	16.0mm	TSA-100 5/8"	TSA-125 5/8"	PSA-300 5/8"	PSA-325 5/8"
.530in	13.2mm	TSA-110 .530"	TSA-132 .530"	PSA-299 .530"	PSA-324 .530"
1/2in	12.5mm	TSA-100 1/2"	TSA-125 1/2"	PSA-300 1/2"	PSA-325 1/2"
7/16in	11.2mm	TSA-100 7/16"	TSA-125 7/16"	PSA-300 7/16"	PSA-325 7/16"
3/8in	9.5mm	TSA-100 3/8"	TSA-125 3/8"	PSA-300 3/8"	PSA-325 3/8"
5/16in	8.0mm	TSA-100 5/16"	TSA-125 5/16"	PSA-300 5/16"	PSA-325 5/16"
.265in	6.7mm	TSA-110 .265"	TSA-132 .265"	PSA-299 .265"	PSA-324 .265"
1/4in	6.3mm	TSA-100 1/4"	TSA-125 1/4"	PSA-300 1/4"	PSA-325 1/4"
No.3-1/2	5.6mm	TSA-110 #3-1/2	TSA-132 #3-1/2	PSA-299 #3-1/2	PSA-324 #3-1/2
No.4	4.75mm	TSA-100 #4	TSA-125 #4	PSA-300 #4	PSA-325 #4
No.5	4.00mm	TSA-101 #5	TSA-126A #5	PSA-301 #5	PSA-326A #5
No.6	3.35mm	TSA-101 #6	TSA-126A #6	PSA-301 #6	PSA-326A #6
No.7	2.80mm	TSA-101 #7	TSA-126A #7	PSA-301 #7	PSA-326A #7
No.8	2.36mm	TSA-101 #8	TSA-126A #8	PSA-301 #8	PSA-326A #8
No.10	2.00mm	TSA-101 #10	TSA-126A #10	PSA-301 #10	PSA-326A #10
No.12	1.70mm	TSA-101 #12	TSA-126A #12	PSA-301 #12	PSA-326A #12
No.14	1.40mm	TSA-101 #14	TSA-126A #14	PSA-301 #14	PSA-326A #14
No.16	1.18mm	TSA-102 #16	TSA-126B #16	PSA-302 #16	PSA-326B #16
No.18	1.00mm	TSA-102 #18	TSA-126B #18	PSA-302 #18	PSA-326B #18
No.20	850µm	TSA-102 #20	TSA-126B #20	PSA-302 #20	PSA-326B #20
No.25	710µm	TSA-102 #25	TSA-126B #25	PSA-302 #25	PSA-326B #25
No.30	600µm	TSA-102 #30	TSA-126B #30	PSA-302 #30	PSA-326B #30
No.35	500µm	TSA-102 #35	TSA-126B #35	PSA-302 #35	PSA-326B #35
No.40	425µm	TSA-102 #40	TSA-126B #40	PSA-302 #40	PSA-326B #40
No.45	355µm	TSA-102 #45	TSA-126B #45	PSA-302 #45	PSA-326B #45
No.50	300µm	TSA-102 #50	TSA-126B #50	PSA-302 #50	PSA-326B #50
No.60	250µm	TSA-102 #60	TSA-126B #60	PSA-302 #60	PSA-326B #60
No.70	212µm	TSA-102 #70	TSA-126B #70	PSA-302 #70	PSA-326B #70
No.80	180µm	TSA-102 #80	TSA-126B #80	PSA-302 #80	PSA-326B #80
No.100	150µm	TSA-102 #100	TSA-126B #100	PSA-302 #100	PSA-326B #100
No.120	125µm	TSA-103 #120	TSA-140 #120	PSA-303 #120	PSA-328 #120
No.140	106µm	TSA-103 #140	TSA-140 #140	PSA-303 #140	PSA-328 #140
No.170	90µm	TSA-103 #170	TSA-140 #170	PSA-303 #170	PSA-328 #170
No.200	75µm	TSA-103 #200	TSA-140 #200	PSA-303 #200	PSA-328 #200
No.230	63µm	TSA-103 #230	TSA-140 #230	PSA-303 #230	PSA-328 #230
No.270	53µm	TSA-103 #270	TSA-140 #270	PSA-303 #270	PSA-328 #270
No.325	45µm	TSA-103 #325	TSA-140 #325	PSA-303 #325	PSA-328 #325
No.400	38µm	TSA-103 #400	TSA-140 #400	PSA-303 #400	PSA-328 #400
No.4 Backing Cloth		-	TSA-135	-	PSA-335
Blank Tray, No.4 & Coarser		TSA-136	-	PSA-336	-
Blank Tray, No.5 & Finer		TSA-137	-	PSA-336	-
Dust Pan		TSA-112	-	PSA-310	-

ASTM E323 Round-Hole Perforated Plate Trays			
Screen Designation		Testing Screen & Test-Master®	
Alternate	Standard	Full Tray	Plate Only
4.0in	101.6mm	TSA-115 4"	TSA-130 4"
3.5in	88.9mm	TSA-115 3-1/2"	TSA-130 3-1/2"
3.0in	76.2mm	TSA-115 3"	TSA-130 3"
2.5in	63.5mm	TSA-115 2-1/2"	TSA-130 2-1/2"
2.25in	57.2mm	TSA-115 2-1/4"	TSA-130 2-1/4"
2.0in	50.8mm	TSA-115 2"	TSA-130 2"
1.75in	44.5mm	TSA-115 1-3/4"	TSA-130 1-3/4"
1.5in	38.1mm	TSA-115 1-1/2"	TSA-130 1-1/2"
1.375in	34.9mm	TSA-115 1-3/8"	TSA-130 1-3/8"
1.25in	31.8mm	TSA-115 1-1/4"	TSA-130 1-1/4"
1.0in	25.4mm	TSA-115 1"	TSA-130 1"
.875in	22.2mm	TSA-115 7/8"	TSA-130 7/8"
.75in	19.1mm	TSA-115 3/4"	TSA-130 3/4"
.625in	15.9mm	TSA-115 5/8"	TSA-130 5/8"
.5in	12.7mm	TSA-115 1-2"	TSA-130 1-2"
.375in	9.5mm	TSA-115 3/8"	TSA-130 3/8"
.312in	8.0mm	TSA-115 5/16"	TSA-130 5/16"
.25in	6.4mm	TSA-115 1/4"	TSA-130 1/4"
.187in	4.75mm	TSA-115 #4	TSA-130 #4
.125in	3.2mm	TSA-115 1/8"	TSA-130 1/8"

*Perforated Plate sections fit TSA-136 Blank Tray for Coarse Wire Cloth.



ISO SCREEN TRAYS

ISO 565, 3310-1

ISO Screen Trays for Gilson Testing Screen, Test-Master® and Porta-Screen® units are fitted with ISO series stainless steel wire cloth.

Testing Screen and Test-Master Trays with wire cloth 1.18mm and finer have metal support ribs under the mesh. No.4 (4.75mm) stainless steel backing cloth reinforces Testing Screen Trays with cloth openings of 63µm and finer and can be added to other trays with or without support ribs as an option. Special built Backing Cloth features flat-rolled surfaces to prevent abrasion of the primary mesh. Porta-Screen trays with 1.18mm to 150µm openings use metal support ribs and No.4 (4.75mm) stainless steel backing cloth is included on these trays with mesh from 150µm to 38µm opening sizes.

Blank trays (with no wire cloth) for Testing Screen and Test-Master models are available as TSA-136 for 4.75mm and coarser mesh and TSA-137 for 4.00mm and finer. For Porta-Screen models, order PSA-336 Blank Tray.

helpfulhint

Gilson Screen Trays can be verified to ASTM E11 or ISO 565 and 3310-1 Inspection or Calibration grades.

Screen Tray Verification

ASTM E11	Inspection	GV-61
ASTM E11	Calibration	GV-66
ISO 565/3310-1	Inspection	GV-64
ISO 565/3310-1	Calibration	GV-67

See separate listing for Gilson Test Sieve and Screen Tray Verification Services.

technote

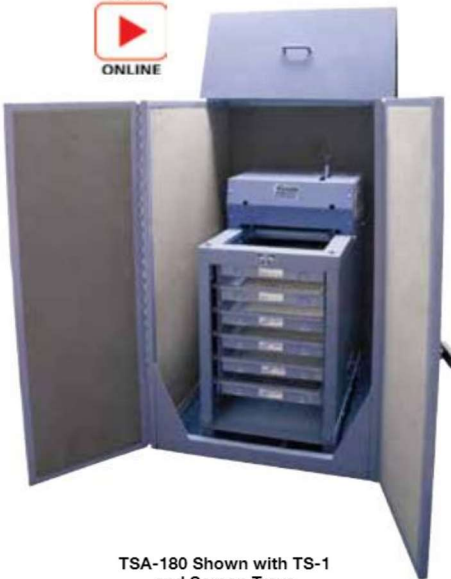
Wire cloth in sizes 4.25in and larger or 112mm and larger is welded rather than woven, so does not strictly meet ASTM E11 or ISO 656/3310-1 specifications.



ISO Screen Trays				
Screen Designation	Testing Screen & Test-Master®		Porta-Screen®	
	Full Tray	Cloth Only	Full Tray	Cloth Only
125mm	TSA-103 125M	TSA-140 125M	-	-
106mm	TSA-100 106M	TSA-125 106M	-	-
100mm	TSA-100 100M	TSA-125 100M	-	-
90.0mm	TSA-100 90M	TSA-125 90M	-	-
75.0mm	TSA-100 75M	TSA-125 75M	-	-
63.0mm	TSA-100 63M	TSA-125 63M	-	-
56.0mm	TSA-100 56M	TSA-125 56M	-	-
53.0mm	TSA-100 53M	TSA-125 53M	-	-
50.0mm	TSA-100 50M	TSA-125 50M	PSA-300 50M	PSA-325 50M
45.0mm	TSA-100 45M	TSA-125 45M	PSA-300 45M	PSA-325 45M
40.0mm	TSA-100 40M	TSA-125 40M	PSA-300 40M	PSA-325 40M
37.5mm	TSA-100 37.5M	TSA-125 37.5M	PSA-300 37.5M	PSA-325 37.5M
35.5mm	TSA-100 35.5M	TSA-125 35.5M	PSA-300 35.5M	PSA-325 35.5M
31.5mm	TSA-100 31.5M	TSA-125 31.5M	PSA-300 31.5M	PSA-325 31.5M
28.0mm	TSA-100 28M	TSA-125 28M	PSA-300 28M	PSA-325 28M
26.5mm	TSA-100 26.5M	TSA-125 26.5M	PSA-300 26.5M	PSA-325 26.5M
25.0mm	TSA-100 25M	TSA-125 25M	PSA-300 25M	PSA-325 25M
22.4mm	TSA-100 22.4M	TSA-125 22.4M	PSA-300 22.4M	PSA-325 22.4M
20.0mm	TSA-100 20M	TSA-125 20M	PSA-300 20M	PSA-325 20M
19.0mm	TSA-100 19M	TSA-125 19M	PSA-300 19M	PSA-325 19M
18.0mm	TSA-100 18M	TSA-125 18M	PSA-300 18M	PSA-325 18M
16.0mm	TSA-100 16M	TSA-125 16M	PSA-300 16M	PSA-325 16M
14.0mm	TSA-100 14M	TSA-125 14M	PSA-300 14M	PSA-325 14M
13.2mm	TSA-100 13.2M	TSA-125 13.2M	PSA-300 13.2M	PSA-325 13.2M
12.5mm	TSA-100 12.5M	TSA-125 12.5M	PSA-300 12.5M	PSA-325 12.5M
11.2mm	TSA-100 11.2M	TSA-125 11.2M	PSA-300 11.2M	PSA-325 11.2M
10.0mm	TSA-100 10M	TSA-125 10M	PSA-300 10M	PSA-325 10M
9.5mm	TSA-100 9.5M	TSA-125 9.5M	PSA-300 9.5M	PSA-325 9.5M
9.0mm	TSA-100 9M	TSA-125 9M	PSA-300 9M	PSA-325 9M
8.0mm	TSA-100 8M	TSA-125 8M	PSA-300 8M	PSA-325 8M
7.1mm	TSA-100 7.1M	TSA-125 7.1M	PSA-300 7.1M	PSA-325 7.1M
6.7mm	TSA-100 6.7M	TSA-125 6.7M	PSA-300 6.7M	PSA-325 6.7M
6.3mm	TSA-100 6.3M	TSA-125 6.3M	PSA-300 6.3M	PSA-325 6.3M
5.6mm	TSA-100 5.6M	TSA-125 5.6M	PSA-300 5.6M	PSA-325 5.6M
5.0mm	TSA-100 5M	TSA-125 5M	PSA-300 5M	PSA-325 5M
4.75mm	TSA-100 4.75M	TSA-125 4.75M	PSA-300 4.75M	PSA-325 4.75M
4.50mm	TSA-100 4.5M	TSA-125 4.5M	PSA-300 4.5M	PSA-325 4.5M
4.00mm	TSA-101 4M	TSA-126A 4M	PSA-301 4M	PSA-326A 4M
3.55mm	TSA-101 3.55M	TSA-126A 3.55M	PSA-301 3.55M	PSA-326A 3.55M
3.35mm	TSA-101 3.35M	TSA-126A 3.35M	PSA-301 3.35M	PSA-326A 3.35M
3.15mm	TSA-101 3.15M	TSA-126A 3.15M	PSA-301 3.15M	PSA-326A 3.15M
2.80mm	TSA-101 2.8M	TSA-126A 2.8M	PSA-301 2.8M	PSA-326A 2.8M
2.50mm	TSA-101 2.5M	TSA-126A 2.5M	PSA-301 2.5M	PSA-326A 2.5M
2.36mm	TSA-101 2.36M	TSA-126A 2.36M	PSA-301 2.36M	PSA-326A 2.36M
2.00mm	TSA-101 2M	TSA-126A 2M	PSA-301 2M	PSA-326A 2M
1.80mm	TSA-101 1.8M	TSA-126A 1.8M	PSA-301 1.8M	PSA-326A 1.8M
1.70mm	TSA-101 1.7M	TSA-126A 1.7M	PSA-301 1.7M	PSA-326A 1.7M
1.60mm	TSA-101 1.6M	TSA-126A 1.6M	PSA-301 1.6M	PSA-326A 1.6M
1.40mm	TSA-101 1.4M	TSA-126A 1.4M	PSA-301 1.4M	PSA-326A 1.4M
1.25mm	TSA-101 1.25M	TSA-126A 1.25M	PSA-301 1.25M	PSA-326A 1.25M
1.18mm	TSA-102 1.18M	TSA-126B 1.18M	PSA-302 1.18M	PSA-326B 1.18M
1.12mm	TSA-102 1.12M	TSA-126B 1.12M	PSA-302 1.12M	PSA-326B 1.12M
1.00mm	TSA-102 1M	TSA-126B 1M	PSA-302 1M	PSA-326B 1M
900µm	TSA-102 900U	TSA-126B 900U	PSA-302 900U	PSA-326B 900U
850µm	TSA-102 850U	TSA-126B 850U	PSA-302 850U	PSA-326B 850U
800µm	TSA-102 800U	TSA-126B 800U	PSA-302 800U	PSA-326B 800U
710µm	TSA-102 710U	TSA-126B 710U	PSA-302 710U	PSA-326B 710U
630µm	TSA-102 630U	TSA-126B 630U	PSA-302 630U	PSA-326B 630U
600µm	TSA-102 600U	TSA-126B 600U	PSA-302 600U	PSA-326B 600U
560µm	TSA-102 560U	TSA-126B 560U	PSA-302 560U	PSA-326B 560U
500µm	TSA-102 500U	TSA-126B 500U	PSA-302 500U	PSA-326B 500U
450µm	TSA-102 450U	TSA-126B 450U	PSA-302 450U	PSA-326B 450U
425µm	TSA-102 425U	TSA-126B 425U	PSA-302 425U	PSA-326B 425U
400µm	TSA-102 400U	TSA-126B 400U	PSA-302 400U	PSA-326B 400U
355µm	TSA-102 355U	TSA-126B 355U	PSA-302 355U	PSA-326B 355U
315µm	TSA-102 315U	TSA-126B 315U	PSA-302 315U	PSA-326B 315U
300µm	TSA-102 300U	TSA-126B 300U	PSA-302 300U	PSA-326B 300U
280µm	TSA-102 280U	TSA-126B 280U	PSA-302 280U	PSA-326B 280U
250µm	TSA-102 250U	TSA-126B 250U	PSA-302 250U	PSA-326B 250U
224µm	TSA-102 224U	TSA-126B 224U	PSA-302 224U	PSA-326B 224U
212µm	TSA-102 212U	TSA-126B 212U	PSA-302 212U	PSA-326B 212U
200µm	TSA-102 200U	TSA-126B 200U	PSA-302 200U	PSA-326B 200U
180µm	TSA-102 180U	TSA-126B 180U	PSA-302 180U	PSA-326B 180U
160µm	TSA-102 160U	TSA-126B 160U	PSA-302 160U	PSA-326B 160U
150µm	TSA-102 150U	TSA-126B 150U	PSA-302 150U	PSA-326B 150U
140µm	TSA-102 140U	TSA-126B 140U	PSA-302 140U	PSA-326B 140U
125µm	TSA-103 125U	TSA-140 125U	PSA-303 125U	PSA-328 125U
112µm	TSA-103 112U	TSA-140 112U	PSA-303 112U	PSA-328 112U
106µm	TSA-103 106U	TSA-140 106U	PSA-303 106U	PSA-328 106U
100µm	TSA-103 100U	TSA-140 100U	PSA-303 100U	PSA-328 100U
90µm	TSA-103 90U	TSA-140 90U	PSA-303 90U	PSA-328 90U
80µm	TSA-103 80U	TSA-140 80U	PSA-303 80U	PSA-328 80U
75µm	TSA-103 75U	TSA-140 75U	PSA-303 75U	PSA-328 75U
71µm	TSA-103 71U	TSA-140 71U	PSA-303 71U	PSA-328 71U
63µm	TSA-103 63U	TSA-140 63U	PSA-303 63U	PSA-328 63U
56µm	TSA-103 56U	TSA-140 56U	PSA-303 56U	PSA-328 56U
53µm	TSA-103 53U	TSA-140 53U	PSA-303 53U	PSA-328 53U
50µm	TSA-103 50U	TSA-140 50U	PSA-303 50U	PSA-328 50U
45µm	TSA-103 45U	TSA-140 45U	PSA-303 45U	PSA-328 45U
40µm	TSA-103 40U	TSA-140 40U	PSA-303 40U	PSA-328 40U
38µm	TSA-103 38U	TSA-140 38U	PSA-303 38U	PSA-328 38U



TSA-157



TSA-180 Shown with TS-1 and Screen Trays



TSA-167 Shown with Screen Tray

Testing Screen & Test-Master® Accessories	
Description	Model
Low-Amplitude Drive Shaft is a factory-installed option often used in conjunction with the Speed Variation Accessory for gentle separations of fragile, sensitive, or lightweight materials. The special drive shaft has a shorter stroke than the original design. For Testing Screen or Continuous-Flow Screen models order TSA-200 and for Test-Master® order TSA-201.	TSA-200 TSA-201
Door Enclosure is a lightweight, easily removable door panel for TS-1 and TS-2 Testing Screens, designed to minimize dust and noise. Sturdy fiberboard door has a full-width hinge and sound-deadening liner to cover the top and front openings. It is held in place with permanent magnets. Specify Testing Screen model and serial number when ordering to ensure proper fit.	Door Enclosure for TS-1 & TS-2 Door Enclosure for TS-3
Sound Enclosure is a sturdy, painted-steel cabinet lined with 1in (25.4mm) thick sound attenuating foam. The enclosure is designed for use with Testing Screen and Test-Master® units, but can also be used with Porta-Screen® and other laboratory equipment. Full-width doors and top are hinged for easy access to equipment. When used with TS-1 or TS-2 Testing Screens, use of the TSA-157 Door Enclosure is recommended. Outside Product Dimensions: 36.5x38.5x57in (927x978x1,448mm), WxDxH.	TSA-157 TSA-157R TSA-180
Clean-N-Weigh Accessory provides a fast, convenient method of cleaning and collecting contents of Testing Screen, Test-Master® or Porta-Screen® screen trays for weighing of separated fractions. Loaded screen trays are inverted and cleaned on top of the unit and specimen is collected in the included TSA-162 Chute-End Handling Pan below. The pan can also be positioned on an electronic balance for instant display or data collection of cumulative weights. Sturdy, painted-steel construction, adjustable shelf and leveling feet. TSA-171 Coarse Screen Tray Brush is included. Product Dimensions: 30.5x19.5x30.5in (775x495x775mm), WxDxH.	TSA-167

CLEAN-N-WEIGH ACCESSORY

- Step 1:** Place the Chute-End Handling Pan under the hopper of the Clean-N-Weigh, then invert a Screen Tray on the hopper support bars.
 - Step 2:** Brush all particles from the Screen Tray through the hopper.
 - Step 3:** Weigh the sample fraction in either the Chute-End Handling Pan or separate container.
- Note:** A high-capacity electronic balance can be positioned under the Handling Pan for immediate display of accumulated fraction weights or to transfer data to user's PC.





TSA-154R



TSA-169R



TSA-155



TSA-156 Shown with Screen Trays



:Product spotlight :::::::::::::::::::::

DUST PAN COMPATIBILITY						
	TS-1	TS-2	TS-3	TS-4	TM-5	TM-6
TSA-112	✓	✓	✓	✓	✓	✓
TSA-112S	✓	✓	✓	✓	✓	✓
TSA-114	✓	✓	✓	✓	✓	✗
TSA-116	✗	✗	✗	✗	✓	✓
TSA-117	✓	✓	✓	✗	✗	✗

Testing Screen & Test-Master® Accessories

Description	Model
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Speed Variation Accessory is factory-installed to allow precise control of vibration speed on Testing Screen and Test-Master® machines. Control of vibration speed assures reliable separations of materials with specific gravities different from common mineral aggregates or for materials finer than No.4 (4.75mm). The TSA-154R for Testing Screens and TSA-153 for Test-Master® both feature a remotely-mounted digital controller that displays stroke values between 240 and 635 strokes per minute. Please inquire for retrofitting existing units. **Controller Product Dimensions:** 6.1x4.3x7.5in (159x108x191mm), WxDxH.

Speed Variation Accessory for Testing Screen
Speed Variation Accessory for Test Master

TSA-154R
TSA-153

Digital Lab Timer controls up to 1hp single-phase motors or 20 amp loads. Bright 1/2in (12.6mm) LED display shows remaining time, stops machine at zero, then resets to programmed time for next use. Test times are set with tactile panel buttons. When stopped and restarted, countdown resumes from paused time. Timer operates in four modes with capacities of: 9,999 sec, 9,999 min, 99:59 min:sec or 99:59 hr/min. Electronics are mounted in a stainless steel case. The timer has a three-wire receptacle for timed devices operating on 115V/60Hz power. TSA-169RF has two 6ft (3m) three-wire cords without plugs for connection to mains and machine. **Overall Product Dimensions:** 4.5x5x5.5in (114x127x140mm), WxDxH.

Digital Lab Timer with 3-Wire Receptacle
Digital Lab Timer with no Plugs

TSA-169R
TSA-169RF

Hydraulic Clamping Conversion converts the threaded manual clamping of the TS-2 to the fast-acting hydraulic system of the TS-1. Time and effort for each test cycle are reduced and clamping pressure is automatically equalized between the two sides. For serial numbers lower than 13825 order TSA-155 and higher than 13825 order TSA-159. Kit includes pump, cylinders, rods, bearings and other necessary parts, along with a drilling template and instructions.

Hydraulic Clamping Conversion Kit, S/N 13825 and Lower
Hydraulic Clamping Conversion Kit, S/N 13826 and Higher

TSA-155
TSA-159

Screen Tray Rack provides organized storage for up to seven screen trays while protecting tray flanges and wire cloth from possible damage. Enameled steel sections fit on top of or below most lab bench tops and can be bolted together for stacking. Assembly required. **Product Dimensions:** 20.3x27.7x23.1in (516x704 587mm), WxDxH.

TSA-156

Dust Pans for collection of fines are available to fit Testing Screens and Test-Master® models.

- ▶ TSA-112 Standard Dust Pan for TS and TM models is 1.6in deep.
- ▶ TSA-112S 4in (100mm) deep pan has extra capacity for samples with high fines content and can be used with all TS and TM models. One screen tray space will be lost in all machines.
- ▶ TSA-114 3in (76mm) deep pan also makes room for additional fines and can be used in TS models without losing a screen tray space. It can be used in the TM-5 with the loss of a tray space but will not fit the TM-6.
- ▶ TSA-116 Two-Piece Stationary Dust Pan is designed for use with TM models only and has a flexible sleeve and adapter providing a dust seal to the pan below. Nuisance dust generated by fines separation is reduced. This pan takes the place of one screen tray.
- ▶ TSA-117 Inclined Chute pan allows passing fines to be continuously directed into an external pan or bag. TSA-117 is for use with TS models only. The Inclined Chute Pan will take the place of one screen tray.

1.6in Deep Dust Pan (Standard)
4in Deep Dust Pan
3in Deep Dust Pan
Two-Piece Stationary Dust Pan
Inclined Chute Pan

TSA-112
TSA-112S
TSA-114
TSA-116
TSA-117



TSA-112S



TSA-114

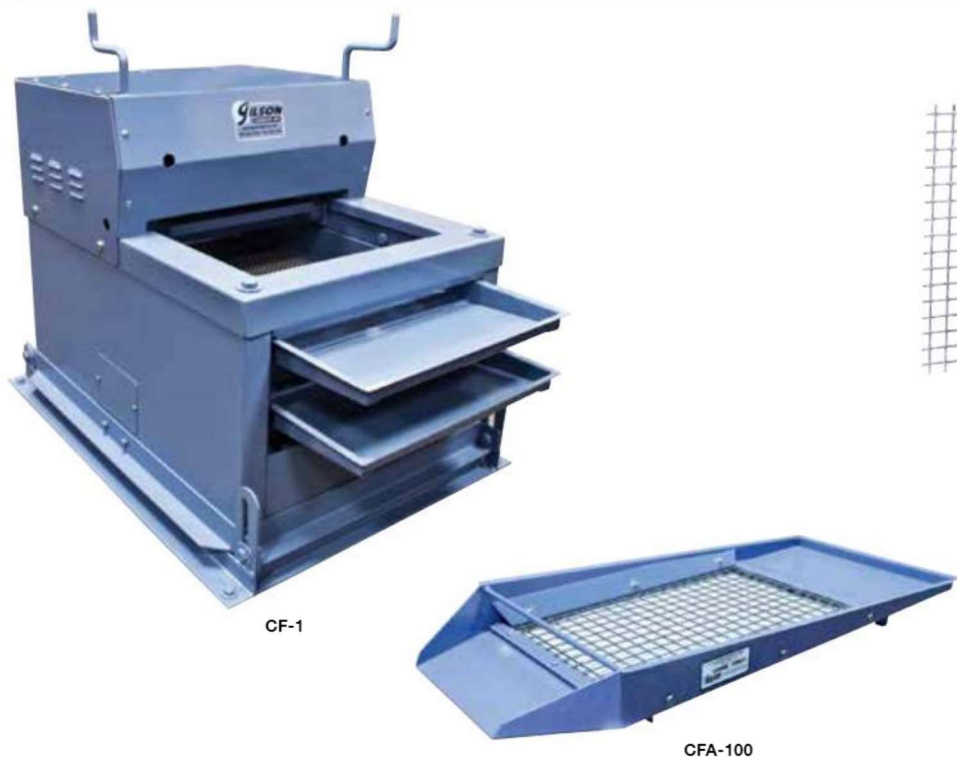


TSA-116



TSA-117

Find Estimated Ship Weights for all our products in the Ship Weight Index



SS-35 shown with Wire Cloth Squares

CONTINUOUS-FLOW SCREEN

Gilson's CF-1 Continuous-Flow Screen is extremely versatile, ideal for the laboratory where many different separation jobs are encountered. For small-scale scalping, mass separation and continuous-feed production applications with coarse sized materials, CF-1 does the job practically and efficiently.

The unit can be used with one or two screen trays with screening area approximately 16x24in (406x610mm) per tray. The trays are vibrated in inclined position, with incline angle adjustable in a range of 4°-10° and speed is digitally controlled up to 650 cycles per minute. Inclined Screen Trays are available with stainless steel wire cloth in ASTM E11 sizes 4in to No.100, or may be specified with round openings, slotted openings, or other special wire cloth.

Discharge pans are provided in two styles, for either front or bottom discharge. The trays and pan are secured by clamp rods readily accessible on top of the unit. The CF-1 is powered by a 1/2hp, fan cooled, completely enclosed motor.

The vertical-throw action of the CF-1 is designed primarily for coarse materials (2in to No.4), but adjustable incline and frequency allow use with a wide range of materials. A special low amplitude drive shaft may also be specified to improve separations in sizes finer than No.4.

Continuous-flow screening is not recommended for testing applications. The versatile CF-1 may be adapted for some testing work by setting at lowest incline angle and replacing Inclined Screen Trays and pan with trays and pan Models TSA-100 to TSA-112 described elsewhere for use with the Model TS-1 Testing Screen. Standard models operate on 115V/60Hz power. Units ordered with "F" model number suffix operate on 230V/50Hz and are shipped without an electrical plug. **Product Dimensions:** 26x34x31in (660x864x787mm), WxDxH. Tray length is 41in (1041mm).

ROCKER SCREEN SET

Set consists of a 12in (305mm) square steel frame designed for interchangeable wire cloth and bottom pan. Stainless Steel Wire Cloth squares are held in place by two bolted side clamps with wing nuts. Order required squares separately in mesh sizes desired. When not in use, all squares can be clamped into the frame for carrying or storing. Frame and rocker bottom have handles for rocking and carrying. Frame height above cloth is 5in (13cm). Not recommended for use with sizes below No.20. **Product Dimensions:** 12x15x10in (305x381x254mm), WxDxH.

Rocker Screen Set	
Rocker Screen Set	SS-35
Accessories	
No.7 & Coarser Wire Cloth Squares	SSA-351
No.8-No.20 Wire Cloth Squares	SSA-355

Continuous-Flow Screen	
Continuous-Flow Screen, 110V/60Hz	CF-1
230V/50Hz	CF-1F
Accessories	
Inclined Screen Tray 4in-No.4	CFA-100
Inclined Screen Tray No.5-No.14	CFA-101
Inclined Screen Tray No.16-No.100	CFA-102
Discharge Pan Inclined (for front discharge)	CFA-112
Discharge Pan Chute (for bottom discharge)	CFA-113
Replacement Cloth only 4in-No.4	TSA-125
Replacement Cloth only No.5-No.14	TSA-126A
Replacement Cloth only No.16-No.100	TSA-126B
Special Low Amplitude Drive Shaft Option	TSA-200

