



SUNSHINE INSTRUMENTS

Deals in : Industrial | R&D | Scientific | Analytical
Diagnostics | Accessories



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SIEVE APPLICATIONS

Sieving is a reliable technique for determining particle size and shape, important factors in the quality of many products in a number of industries including diamond powder / abrasives. Precision Eforming produces electroformed sieves for use in sorting, sifting, screen and classifying a variety of materials. Our sieves are precise instruments and are widely used in manufacturing applications, as well as laboratory environments.

Electroformed sieves offer a number of advantages. The largest advantage is the achievable hole sizes. We currently produce sieves within the ranging from 25 to 2000 microns, with a +/-2 tolerance. Sieves with hole sizes less than three microns will be available in the upcoming months. They are not subject to the limitations of woven wire sieves such as clogging, particle entrapment and imprecise tolerances. In addition, their flat, smooth surface simplifies cleaning. Our standard apertures are square, round and slotted, and we have the ability to produce customer geometries.

Our sieves are currently used in a variety of applications and industries including: chemicals, textiles, pharmaceuticals, powder metals, diamond powder, abrasive, cement and nuclear fuel production.



SIEVE COMPATIBILITY AND VERSATILITY

The sieves and sieving material can be used in any application compatible with pure nickel material. They are a direct replacement for any woven material and offer unparalleled versatility in design and function.

Our sieves can be produced in any standard diameter and custom produced to your Requirements

They are interchangeable with any woven material They can be used with all equipment (vibratory shakers, sonic shakers, WS Tyler Ro-Tap, Graytor shaker, etc.)

They can be used with any style ultra-sonic separating equipment (Single / multi layered framed sonic sifters) The sieve material custom mounted to a variety of materials (Brass, stainless, etc)

SUNSHINE CAT NO : SI 84 (COARSE SIZES)(SSF)
Test Sieves : Coarse Size Made Of Stainless Steel
Frame Square Holes . As Per Indian Specification
(469/1972) Available in 8" & 12"

APERTURE SIZE	APERTURE SIZE
4.75 MM	19 MM
5.6 MM	25 MM
6.3 MM	26.5 MM
6.7 MM	31.5 MM
8 MM	37.5 MM
9.5 MM	45 MM
10 MM	50 MM
11.2 MM	53 MM
12.5 MM	63 MM
13.2 MM	75 MM
16 MM	80 MM
20 MM	90 MM
22.4 MM	100 MM
	Lid / Receiver

"SUNSHINE" Test Sieves Wire Mesh Series Regular Used Specification 8" DIAMETER

B.S.S (410/1969) MESH NO.	A.S.T.M (11-70) MESH NO.	Indian Std (469/1972)	Microns
4	5	4.000 mm	4000
5	6	3.350 mm	3353
6	7	2.800 mm	2812
7	8	2.360 mm	2411
8	10	2.000 mm	2057
10	12	1.700 mm	1680
12	14	1.400 mm	1405
14	16	1.180 mm	1204
16	18	1.000 mm	1003
18	20	0.850 mm	850
22	25	0.710 mm	710
25	30	0.600 mm	600
30	35	0.500 mm	500
36	40	0.425 mm	420
44	45	0.355 mm	355
52	50	0.300 mm	300
60	60	0.250 mm	250
72	70	0.212 mm	210
85	80	0.180 mm	180
100	100	0.150 mm	150
120	120	0.125 mm	120
150	140	0.106 mm	105
170	170	0.090 mm	90
200	200	0.075 mm	75
240	230	0.063 mm	63
300	270	0.053 mm	53
350	325	0.045 mm	45
400	400	0.037 mm	37
500	500	0.025 mm	25
LID & Receiver			