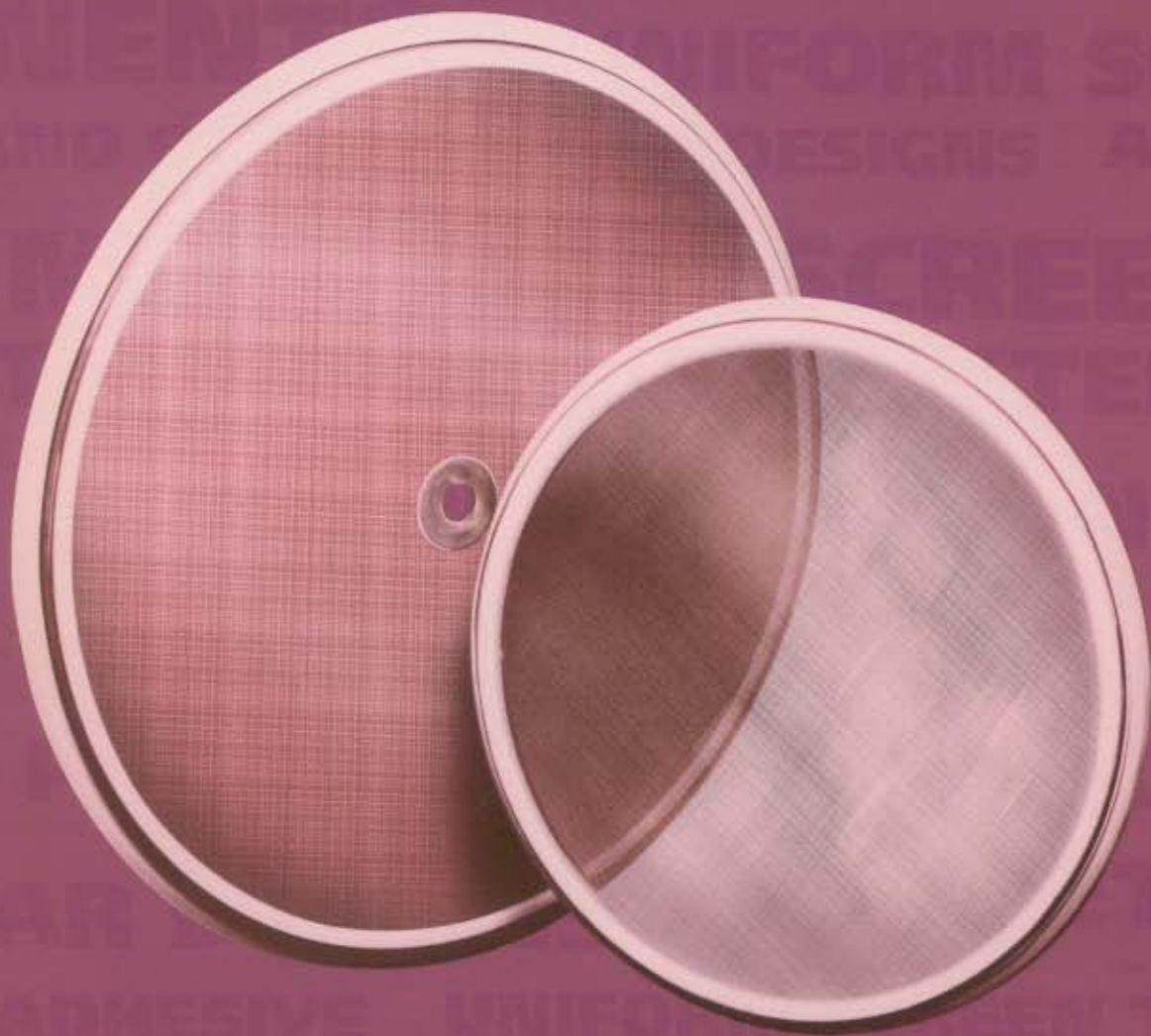




supertaut plus

separator
screens



*The Most
Sanitary
Separator Screens
Available*



Patented Supertaut® Plus screens are a breakthrough in screen technology. With their improved design, and our commitment to service, we can handle your most challenging screening requirements.

Superbond™, a new adhesive developed by Sweco engineers, is the key to this breakthrough. This pure white adherent combines FDA approved chemistry with the durability to withstand caustic and steam cleaning, and severe environments. Superbond adhesive holds the type 316 stainless steel wire cloth firmly in place. Extra-high uniform tension on the screen mesh provides higher throughput and longer screen life than you'll find with any spot-welded screen.

FDA approved for food contact, Supertaut Plus screens are available to fit nearly all circular separators. So, regardless of what type of machine you have, you can equip it with the best screen on the market.

supertaut plus separator screens

Certified Screens

When your process demands the ultimate in quality assurance, our Certified Screen Program delivers! After a screen is manufactured, it is scrutinized under a digital/optical comparator to ensure that the wire diameter and the mesh opening are within Sweco Specified Tolerances. Only those screens that pass

this rigid test receive a certificate showing exact measurements.

This exclusive service eliminates the need for incoming quality checks and reduces downtime due to unnecessary screen changes.

Sweco Certified Screens are ideal for industries that demand exacting tolerances,

including pharmaceutical, electronics, technical ceramics, explosives, and super alloys.

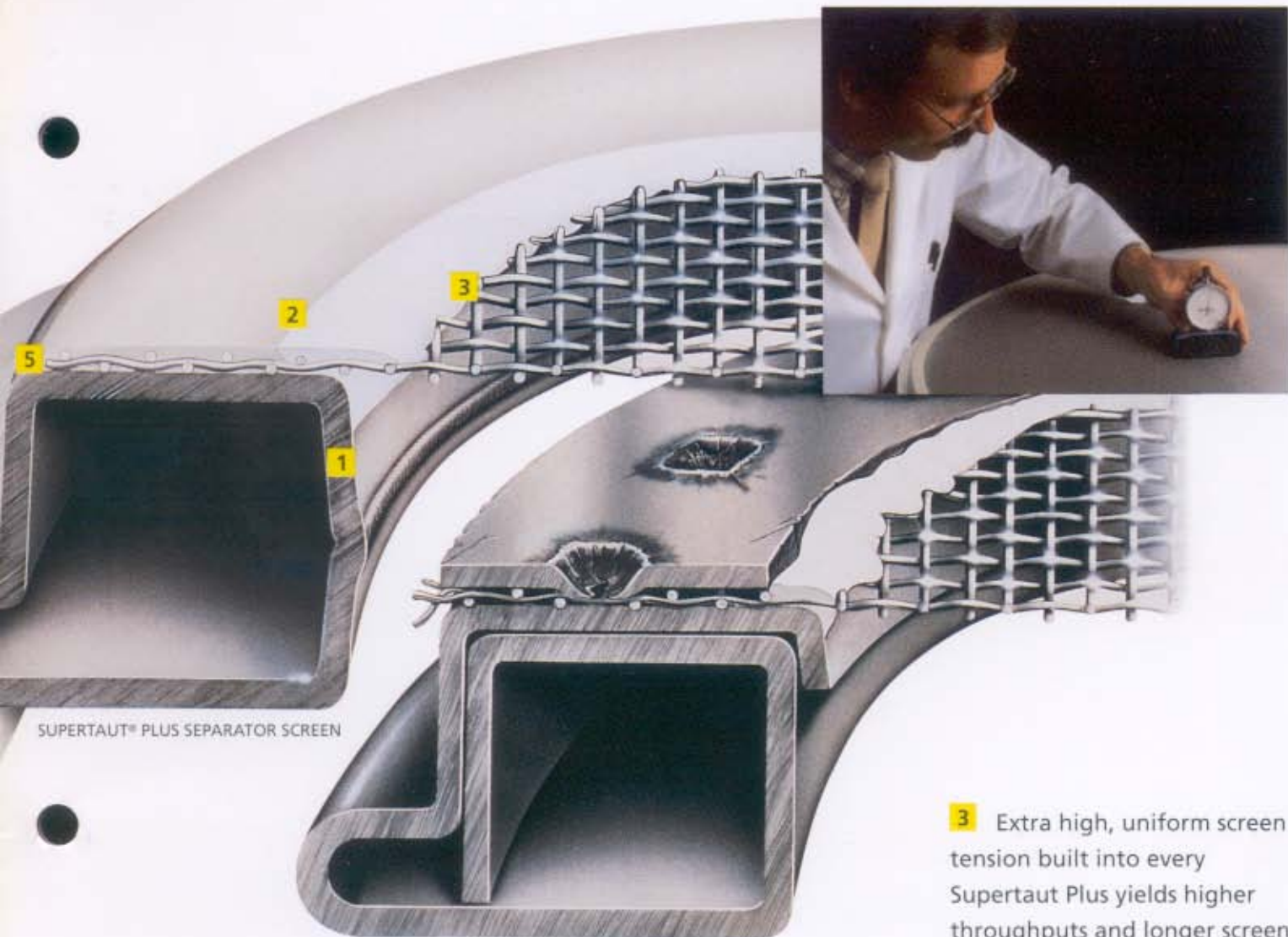
For the ultimate in quality assurance, specify Sweco Certified Screens.



Are Your Screens New Or Re-newed?

Increasingly stringent regulations from the EPA, FDA, and OSHA have changed screen quality specifications, and have made conformance a greater task. These agencies are identifying hazardous contaminants which were overlooked only a few years ago. One such area is the rescreening of support rings.

While other manufacturers rescreen old rings, only Sweco uses 100% guaranteed new components in each screen we ship. After all, what good is a new screen if the ring is contaminated?



SUPERTAUT® PLUS SEPARATOR SCREEN

TYPICAL SPOT-WELDED SCREEN

When You Compare Supertaut® Plus With The Others, You'll See There Is No Comparison.

1 The foundation of every Supertaut Plus screen is the tension-support ring, rolled from stainless steel and seal welded for maximum strength. These lightweight, disposable rings do not allow material to enter the hollow interior, a common problem with older ring designs.

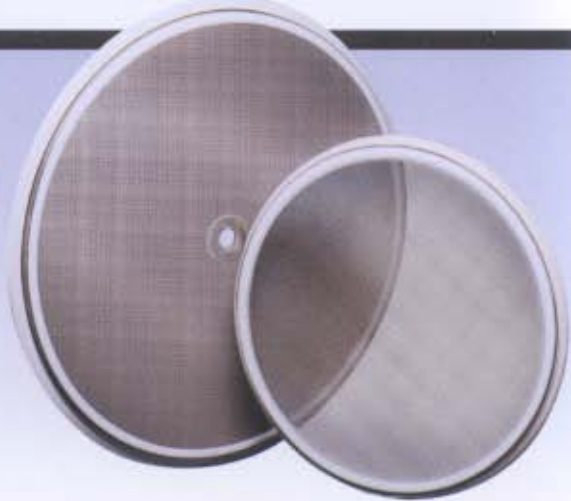
2 The Superbond™ adhesive encapsulates and locks every wire into place, eliminating the crevices and pits found in typical spot-welded screens. These crevices are the breeding ground for bacterial growth and contamination.

3 Extra high, uniform screen tension built into every Supertaut Plus yields higher throughputs and longer screen life. Spot-welded screens, with lower and varied wire tensions, are subject to premature fatigue failure.

4 Each Supertaut Plus comes with a pre-attached FDA food-grade-approved white gasket to speed screen changes.

5 The encapsulation process eliminates stray wires at the screen edge, which can injure plant employees.

We offer screens that meet specifications from these and other industry organizations.



Custom Delivery Options To Suit Your Needs

Sweco maintains a large supply of stainless steel, synthetic, and magnetic screen cloth, so your custom order can typically be manufactured and shipped within 3 days. For emergency situations, same-day rush service is available.

In addition, many types of restocking programs are offered. Finished screens can be consigned to customer plants, or stocked at Sweco plants for scheduled deliveries.

Regional warehousing has been set up to provide faster service to our customers. Whichever program you choose, we can ensure maximum up-time without costly investments in inventory.

A Tradition Of Service

Sweco supplies more mounted screens to industry than any other manufacturer ANYWHERE! With each screen, we include two things no one else can...our Worldwide Service Network and our full warranty.

Our representatives typically have decades of experience solving screening problems throughout the process industries. That's why companies routinely turn to Sweco for problem solving expertise, as well as for top quality equipment.

We are confident that Supertaut® Plus will out-perform any other screen on the market — so confident that each is warranted to provide complete customer satisfaction.



Full-Flow™ Rectangular Screens

In addition to round screens, Supertaut® Plus mounting is also available for Full-Flow Rectangular screens. Using a patented pneumatic sealing system, pretensioned



Supertaut Plus screens can be installed by an operator in just minutes. This unique system also eliminates the bypass of solids at the screen edge ensuring "zero-bypass."



Unique self-cleaning kits prevent screen blinding, allowing higher throughput of difficult materials. (Patented)

Rectangular screens are also available in an advanced hookstrip design. No matter which screen you choose, they are built to the same exacting standards as their round counterparts.

Screen Specifications

TENSILE BOLTING CLOTH

Mesh	Opening In Microns	Wire Diameter	Opening In Inches	% Open Area	Closest U.S. Std. Sieve	U.S. Opening In Inches
16	1359	.0090	.0535	73.3%	14	.0551
18	1184	.0090	.0466	70.2%	16	.0465
20	1041	.0090	.0410	67.2%	-	-
22	965	.0075	.0380	68.7%	18	.0394
24	866	.0075	.0342	67.2%	20	.0335
26	787	.0075	.0310	64.8%	-	-
28	716	.0075	.0282	62.4%	25	.0280
30	661	.0065	.0268	64.8%	-	-
32	630	.0065	.0248	62.7%	-	-
34	582	.0065	.0229	60.7%	30	.0236
36	541	.0065	.0213	58.7%	-	-
38	503	.0065	.0198	56.7%	35	.0197
40	470	.0065	.0185	54.8%	40	.0167
42	465	.0055	.0183	59.1%	-	-
44	437	.0055	.0172	57.4%	-	-
46	411	.0055	.0162	55.8%	40	.0167
48	389	.0055	.0153	54.2%	-	-
50	368	.0055	.0145	52.6%	-	-
52	348	.0055	.0137	51.0%	45	.0140
54	330	.0055	.0130	49.4%	-	-
58	323	.0045	.0127	54.6%	-	-
60	310	.0045	.0122	53.3%	-	-
62	295	.0045	.0116	51.7%	50	.0118
64	282	.0045	.0111	50.7%	-	-
70	268	.0037	.0106	54.9%	-	-
72	259	.0037	.0102	53.8%	-	-
74	249	.0037	.0098	52.7%	60	.0098
76	241	.0037	.0095	51.7%	-	-
78	231	.0037	.0091	50.6%	-	-
80	224	.0037	.0088	49.5%	-	-
84	213	.0035	.0084	49.8%	70	.0083
88	201	.0035	.0079	47.9%	-	-
90	193	.0035	.0076	47.8%	-	-
94	180	.0035	.0071	45.0%	80	.0071
105	163	.0030	.0066	46.9%	-	-
120	147	.0025	.0058	47.3%	100	.0059
145	119	.0022	.0047	46.4%	120	.0049
165	107	.0019	.0042	47.1%	140	.0042
200	86	.0016	.0034	46.2%	170	.0035
230	74	.0014	.0029	46.0%	200	.0030
300	56	.0012	.0022	42.0%	270	.0021

MARKET GRADE

Mesh	Opening In Microns	Wire Diameter	Opening In Inches	% Open Area	Closest U.S. Std. Sieve	U.S. Opening In Inches
2	11100	.0630	.4370	76.4%	-	-
3	7087	.0540	.2790	70.1%	-	-
4	5138	.0475	.2023	65.8%	3.5	2205
4	4750	.0630	.1870	36.0%	4	.1870
5	4038	.0410	.1590	63.2%	5	.1573
6	3348	.0340	.1318	62.7%	6	.1319
7	2743	.0350	.1080	57.2%	7	.1102
8	2449	.0286	.0964	60.2%	8	.0929
10	1885	.0258	.0742	56.3%	10	.0787
11	1854	.0180	.0730	64.5%	-	-
12	1532	.0230	.0603	51.8%	12	.0669
14	1295	.0204	.0510	51.0%	14	.0551
16	1130	.0181	.0445	50.7%	16	.0465
18	986	.0173	.0388	48.3%	18	.0394
20	864	.0162	.0340	46.2%	20	.0335
24	704	.0140	.0277	44.2%	25	.0280
30	516	.0128	.0203	37.1%	35	.0197
35	447	.0118	.0176	37.9%	40	.0167
40	381	.0104	.0150	36.0%	45	.0140
50	279	.0090	.0110	30.3%	50	.0118
60	234	.0075	.0092	30.5%	60	.0098
80	178	.0055	.0070	31.4%	80	.0071
100	140	.0045	.0055	30.3%	100	.0059
120	117	.0037	.0046	36.5%	120	.0049
150	104	.0026	.0041	37.9%	140	.0042
170	89	.0024	.0035	35.4%	170	.0035
200	74	.0021	.0029	33.6%	200	.0030
250	61	.0016	.0024	36.0%	230	.0025
270	53	.0018	.0021	32.0%	270	.0021
325	43	.0014	.0017	30.5%	325	.0018
400	38	.0010	.0015	36.0%	400	.0015
500	25	.0010	.0010	25.0%	500	.0010
635	20	.0008	.0008	25.0%	635	.0008

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