

ULTRASONICS

SONO



ULTRASONICS FOR FINE SCREENING

THE CLEAR CHOICE FOR FINE PARTICLE SEPARATION ON APPLICATIONS PREVIOUSLY THOUGHT IMPOSSIBLE.



SONO-ENERGY™
TECHNOLOGY

TWO SOLUTIONS ONE SOURCE

For fine particle separation, SWECO offers two systems to best fit your needs

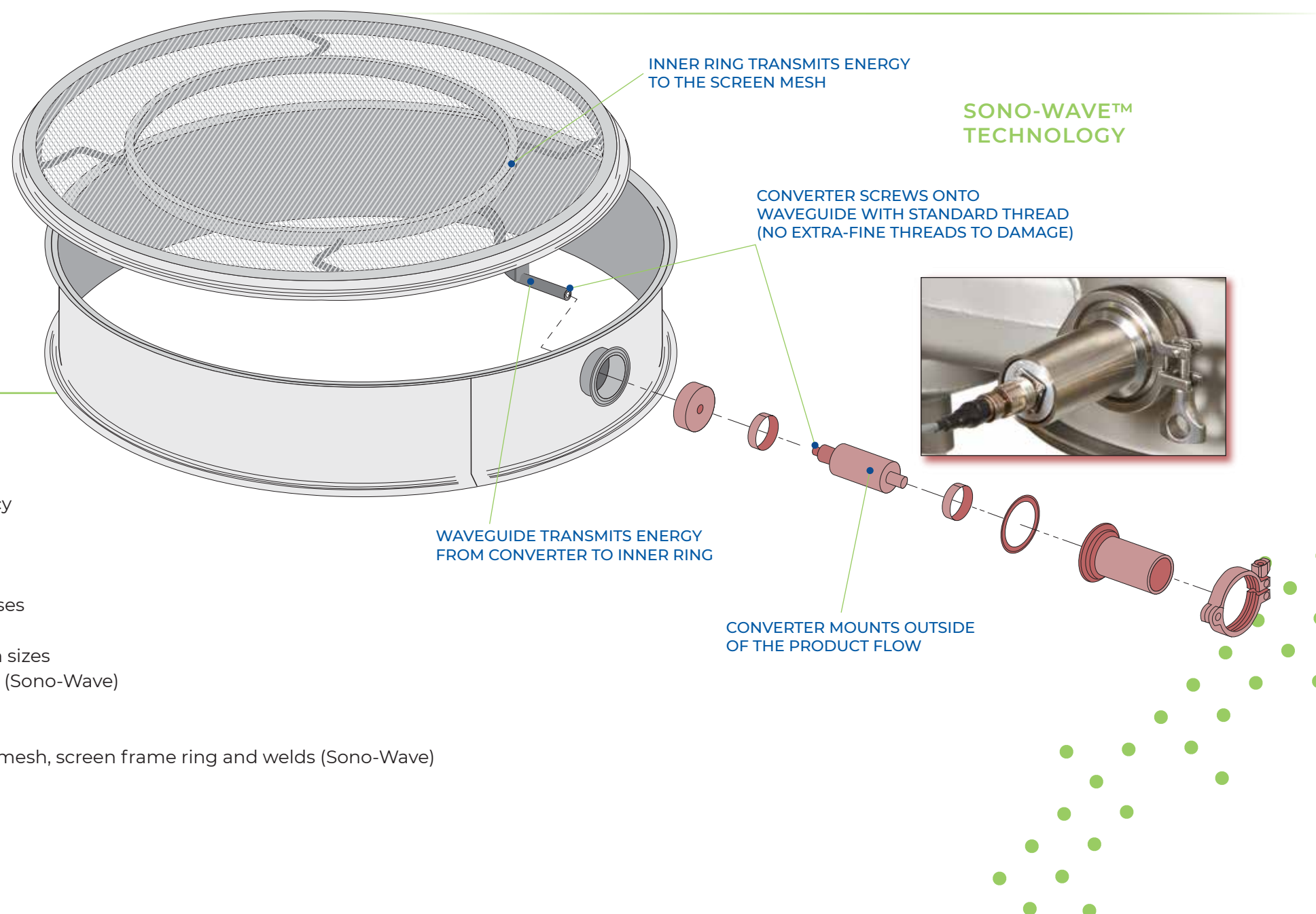
CAN INCREASE INPUT BY AS MUCH AS 50-100%

The Sono-Wave™ and Sono-Energy™ Systems provide another quality accessory to the SWECO® Vibro-Energy® Round Separator line, enabling efficient sieving of powders at small mesh sizes. Both ultrasonic systems promote improved excitation throughout the screen surface with more even energy distribution, improving sieving efficiency, separation accuracy, and effectively breaks up agglomerates while increasing throughput.

Even if your application calls for more than one screen, both systems only require one generator for multi-deck separation processes.

BENEFITS

- Improves sieving efficiency and separation accuracy
- Improves disintegration of agglomerates
- Increases throughput
- Reduces oversize fraction
- Requires only one generator for multi-deck processes
- Provides a continuous deblinding action
- Provides efficient sieving of powders at small mesh sizes
- Eliminates electrical components inside separator (Sono-Wave)
- Adjustable amplitude
- Distributes energy more evenly across the screen
- Sweeps frequency to provide less stress on screen mesh, screen frame ring and welds (Sono-Wave)



WHEN TO APPLY ULTRASONIC SCREENING

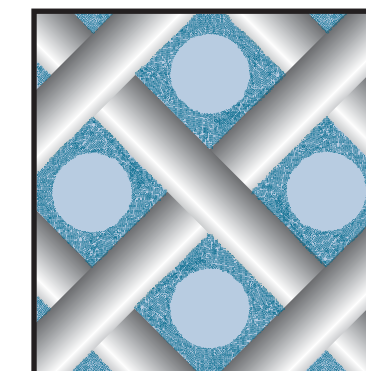
For light density powders (epoxy, toner, powdered paint), the ultrasonic vibration prevents the “pancaking” or “glazing” effect characteristic of gravity screening.

For heavy density powders (Pb-Sn solder, nickel, chromium), the ultrasonic vibration makes screen wires “live”, significantly reducing lodging or wedging of near-size particles that can lead to long-term, gradual blinding of screen mesh.

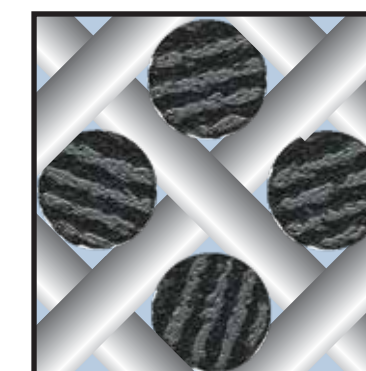
For particle carrying an electrostatic charge, the ultrasonics minimize the clinging effect of small (6-20 microns), non-metallic particles.

Available in standard screen sizes from 18” to 72”. Additionally, both the Sono-Wave™ and Sono-Energy™ Systems can be retrofit to most existing SWECO and non-SWECO round separators.

CONVENTIONAL SCREEN BLINDING

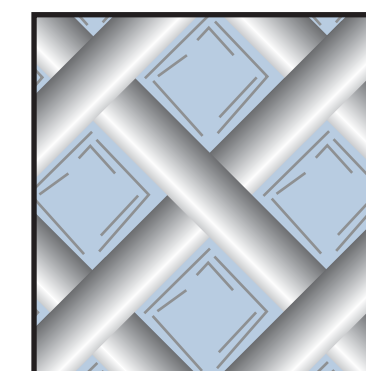


Certain fine powders will invariably clog or blind nearly any conventional separating solution.



Heavier density powders tend to lodge or wedge themselves between the wires, leading to the gradual blinding of the screen mesh.

HIGH-FREQUENCY ANTI-BLINDING



Continuous Energizer vibrations virtually eliminate blinding, resulting in higher flow rates, increased screen life and dramatically reduced downtime.



ULTRASONIC SYSTEM



SONO-WAVE™
TECHNOLOGY



SWECO has sales agents and/or licensees in most countries.

Manufacturers worldwide rely on SWECO.

We span five continents with 9 manufacturing and support facilities and over 100 sales and service representative offices.

So, wherever you are, be assured that SWECO – the global leader in screening technology – is there when you need us.