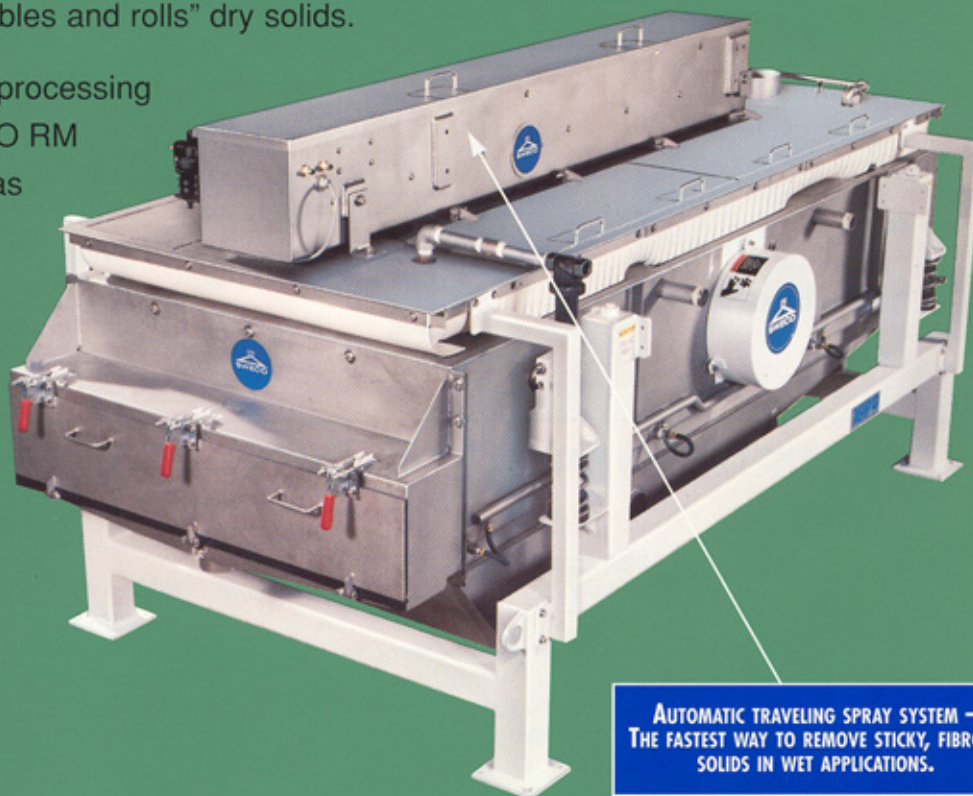


# SWECO® ROUND MOTION RECTANGULAR SEPARATOR

## THE ADVANTAGES OF RECTANGULAR SEPARATION PLUS THE BENEFITS OF ROUND MOTION.

**T**he RM's highly-effective round motion conveying action is created by a two-bearing vibratory system, designed to run at 1000-2200 RPM, producing up to 5 G's acceleration. Its effectiveness is maximized when inclined for dry screening or for horizontal wet scalping of slurries with a low percentage of oversized products. Good classification is also consistently achieved as the RM "tumbles and rolls" dry solids.

Created to meet specific processing requirements, the SWECO RM Rectangular Separator has been tried, tested and proven over nearly two decades of intensive research, development and implementation in hundreds of successful start-ups throughout the process industries.



**AUTOMATIC TRAVELING SPRAY SYSTEM —  
THE FASTEST WAY TO REMOVE STICKY, FIBROUS  
SOLIDS IN WET APPLICATIONS.**

Patent # 4,582,597



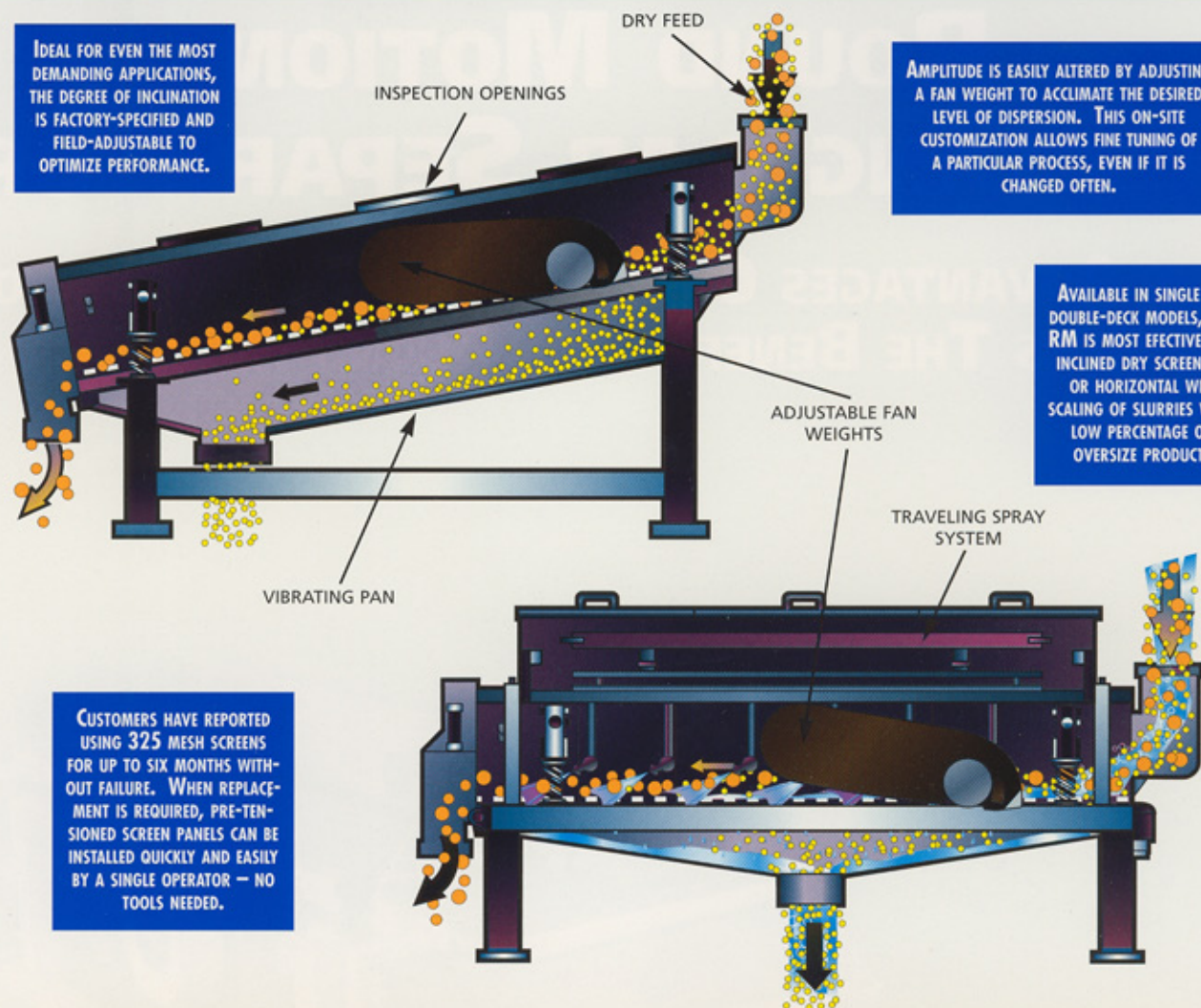
**We Put Technology In Motion™**

[www.sweco.com](http://www.sweco.com)



# The Best Solution For High Volume, Wet & Dry Screening

IDEAL FOR EVEN THE MOST DEMANDING APPLICATIONS, THE DEGREE OF INCLINATION IS FACTORY-SPECIFIED AND FIELD-ADJUSTABLE TO OPTIMIZE PERFORMANCE.



AMPLITUDE IS EASILY ALTERED BY ADJUSTING A FAN WEIGHT TO ACCIMATE THE DESIRED LEVEL OF DISPERSION. THIS ON-SITE CUSTOMIZATION ALLOWS FINE TUNING OF A PARTICULAR PROCESS, EVEN IF IT IS CHANGED OFTEN.

AVAILABLE IN SINGLE OR DOUBLE-DECK MODELS, THE RM IS MOST EFFECTIVE FOR INCLINED DRY SCREENING OR HORIZONTAL WET SCALING OF SLURRIES WITH LOW PERCENTAGE OF OVERSIZE PRODUCT.

CUSTOMERS HAVE REPORTED USING 325 MESH SCREENS FOR UP TO SIX MONTHS WITHOUT FAILURE. WHEN REPLACEMENT IS REQUIRED, PRE-TENSIONED SCREEN PANELS CAN BE INSTALLED QUICKLY AND EASILY BY A SINGLE OPERATOR — NO TOOLS NEEDED.

## THE MOST COMMON CAUSES OF DOWNTIME HAVE BEEN ENGINEERED OUT TO PROVIDE NON-STOP OPERATION

- Tough 313 spherical roller bearings support the highest G-force vibrator drive available. No leaky hydraulics and only bi-monthly greasing required.
- An "off the shelf" motor powers the vibrator through standard belts and can be replaced in an hour. A "hostile duty" motor suitable for wet environments is included and U.L. listed motors are available for hazardous environments.
- The RM features an adjustable deck angle, and with the hand crank, a single operator can adjust the incline quickly and easily when the machine is not in operation.
- For easier maintenance and greater economy, most RM replacement parts are standard off-the-shelf items including motors, belts and drives.

MODELS	DRY MODELS		WET MODELS	
	RM3-1D	RM3-2D	RM3-1W	RM3-2W
Motor Size-HP	5HP	5HP	5HP	5HP
RPM	1800	1800	1800	1800
Number of Springs	4	4	4	4
Number of Screens	3	6	3	6
Screen Size	3' x 4'	3' x 4'	3' x 4'	3' x 4'
Active Screen Surface	30 Ft <sup>2</sup>	60 Ft <sup>2</sup>	30 Ft <sup>2</sup>	60 Ft <sup>2</sup>
Basket Dimensions	4' x 9'	4' x 9'	4' x 9'	4' x 9'
Unit Weight (Net)-Lbs.	3000	4100	2900	3500
Height to Feed Inlet	75.48"	89.06"	53.68"	67.75"
Unit Width	75.07"	75.07"	75.06"	75.06"
Unit Length	131.63"	131.72"	110.25"	110.25"



**We Put Technology In Motion™**  
e-mail: info@sweco.com