SAND DEWATERING SCREENS

McLanahan®
AGRICULTURAL SYSTEMS

mclanahan.com

CLEANER, DRYER SAND MEANS MORE COMFORTABLE COWS AND HIGHER MILK PRODUCTION

Ultimately, everyone knows, clean, comfortable cows are healthier, higher producing cows. Bacteria need water, organic matter, and heat to thrive and survive in sand. Remove excess water and organic matter to stunt bacterial growth and improve overall freestall bed quality.

Reduce Sand Inventory, Save Time, Money, And Space

Inventory is your cash not working for you. Excessive sand inventory is an unnecessary cost of doing business. Oftentimes, sand is inventoried on dairies only for the purpose of allowing it to dewater and dry. During this time, the sand is stacked, spread, and turned, only to be done again and again. Increase sand dryness and decrease sand inventory.

What does sand inventory cost you?

VALUE OF SAND INVENTORY FOR 1,000 COWS

Days In Inventory	Sand Cost ($/t)			
	$6.00	$8.00	$10.00	$12.00
3	$450	$600	$750	$900
5	$750	$1,000	$1,250	$1,500
7	$1,050	$1,400	$1,750	$2,100
10	$1,500	$2,000	$2,500	$3,000
14	$2,100	$2,800	$3,500	$4,200
30	$4,500	$6,000	$7,500	$9,000
60	$9,000	$12,000	$15,000	$18,000
90	$13,500	$18,000	$22,500	$27,000
180	$27,000	$36,000	$45,000	$54,000

With Sand Dewatering Screens you will:

- Decrease time handling sand and machinery wear and tear
- Reduce the amount of space required to store sand
- Minimize the amount of dirty runoff water from sand stack pads

SAFER, SIMPLER, SMARTER

McLanahan Sand Dewatering Screens are a safe, simple, and smart way to produce cleaner, dryer sand. Using proven mining-duty technology, vibrating screen panels shear, or shake, free water and organic matter that coats recycled sand grains. No fresh or recycled water is necessary. Sand Dewatering Screens are capable of reducing recycled sand moisture and organic content loadings by 50%.

Features include:

- Low power requirement
- Mining-duty abrasive resistant design
- Compact and easily retrofitted
- 10 to 90 tons per hour

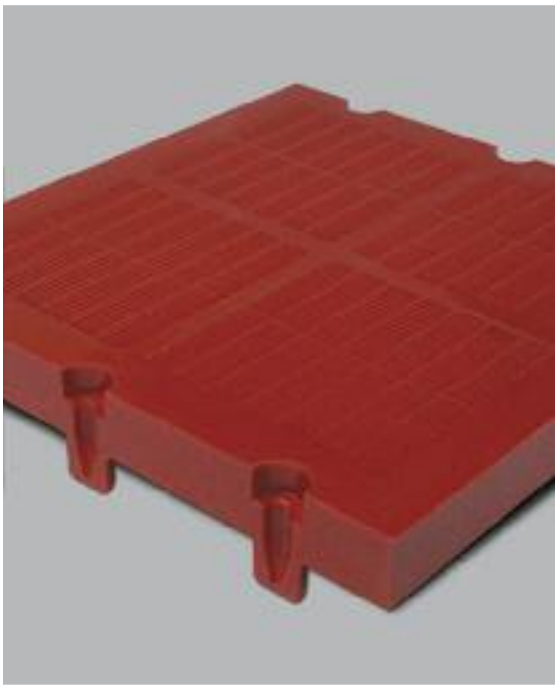
Last Step In A Sand-Manure Separation System

Sand Dewatering Screens are used in many ways to produce cleaner, dryer sand. The compact design is easily retrofitted to existing conventional Sand-Manure Separation Systems. Screens can also be used stand-alone to clean-up sand from sand lanes that is otherwise not suitable for recycling.

Sand Dewatering Screens are used to dry sand in the following applications:

- Sand-Manure Separator discharge
- Sand lane clean-up
- Hydrocyclone underflow

NO ADDITIONAL WATER NECESSARY



To Help Promote Your Herd Health, Protect The Environment
And Maximize Your Production, Call About The Latest Advances
In Sand System Technology –
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Sand-Manure Separators | Liquid-Solid Separators | Conveyance Augers | Pump Systems
Stall Fillers, Truck Or Trailer-Mounted | Manure System Design | Treatment Systems

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agdivision@mclanahan.com • mclanahan.com

Guards are recommended for safe operation of equipment. In some photos, safety guards may not be shown.

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