



FREE STALL

BEDDING MANAGEMENT TOOLS

**SANDMAN • SANDMAN LP • BEDDING EXTRACTOR • MAT-MATE
SANDMAN SIDEMOUNT • SANDMAN LP SIDEMOUNT • MAT-MATE SIDEMOUNT**

IT'S ALL ABOUT COW COMFORT!





INCREASE YOUR HERD AVERAGE

REDUCE MASTITIS CASES

LOWER SOMATIC CELL COUNT

SAVE ON BEDDING COSTS

IMPROVE COW COMFORT

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Superior Attachments Inc

Superior Attachments, Inc. is proud to provide dairymen with time proven and dependable bedding management tools. Finding the correct bedding management tools for your herd can be challenging. Superior Attachments free stall bedding management tools are here to help. These tools are designed for consistent results and work well in sand, sawdust, compost & digester solids bedding material.

The proof is in the results; both the SANDMAN & the BEDDING EXTRACTOR are designed to help you, the dairymen, with cow comfort and free stall bedding management.

"WHEN THE COWS ARE DRIER AND MORE COMFORTABLE THEY, PRODUCE MORE MILK AND I GET HIGHER PREMIUMS."

"SOMATIC CELL COUNT IS DOWN... (AND) FEWER CASES OF MASTITIS..."

DESIGN FEATURES & BENEFITS

- All products are built for heavy duty farm use
- Implements are designed to cut time and labor costs from routine chores
- Increases cow comfort, promoting higher milk yields
- Achieves repeatable and consistent results to promote cow comfort
- Creates cleaner, dryer and properly sloped cow beds to minimize bacteria growth



SANDMAN

US Patent 6951253 B1

SANDMAN LP

US Patent 6951253 B1

SANDMAN LP ACCOMMODATES DIFFERENT STALL DESIGNS AND HEIGHTS

SANDMAN & SANDMAN LP are loader attachments designed to aerate, slope and groom free stall beds in one step.

SANDMAN not only grooms it leaves the bed at the uphill slope that cows prefer to lay on. Raking with SANDMAN is done at a walking pace allowing for quick preparation of the stall beds. Many of our customers groom stalls daily, some groom with every milking.

SANDMAN's boom and rotary arm are hydraulically driven. The hydraulic boom allows the operator to lower the rotary arm between the stall loops into the bedding area. Once the boom is lowered the rotary motor is started. The operator adjusts the loader frame height so the rotary arm shovels make contact with the bedding area, then drives forward at walking speed. SANDMAN is able to work under the stall loops to groom and slope the bedding material.

SANDMAN RAISES TO A VERTICAL POSITION FOR TRANSPORT. IT CAN BE ANGLED FORWARD TO LOWER ITS HEIGHT WHEN ENTERING LOW DOOR OPENINGS. SANDMAN'S COMPACT DESIGN AND HYDRAULICALLY RAISED BOOM MAKES IT EASY TO MANEUVER IN TIGHT AREAS.

BENEFITS

- Sloping the bed improves cow comfort
- Sloping promotes proper cow placement within the stall
- Proper cow placement puts manure in the aisle
- Aeration dries bedding and reduces bacterial growth
- Speeds up a labor intensive job and lowers costs

"We know the sand bedding is best for our cows, but it was hard to get employees to rake all the stalls. Now all stalls get raked EVERY DAY without constant supervision.

Sandman eliminates one of the most difficult chores on the farm and lowers employee turnover. With the Sandman, employees enjoy raking the stalls.

The Sandman gets the job done. It's one of the best pieces of equipment I have on the farm."

*Jerrold Philipps, Stoney Acres Farms, Wausaukee, WI
Rolling Herd Average: 26,500, Somatic Cell Count: 100*

"The advantages we have seen with the Sandman are:

- 1. We have cut the amount of sand we go through by between 20-25%.*
- 2. We eliminated one person hand raking the stalls once a day.*
- 3. We have seen that when the cows are done feeding, they go to the stalls and lay down quicker.*
- 4. All of the stalls are being used; no stalls are uncomfortable.*

In summary, the Sandman is a tool every dairyman should consider when thinking about total cow comfort."

Steve Brock, Michigan Dairy Farmer



PARKING STAND



CURB GUIDE



CURB SCRAPER



LOW PROFILE



ROTARY ARM WITH BOLTED ON, REPLACEABLE SHOVELS



QUICKLY CONNECTS TO A SKID STEER UNIVERSAL MOUNTING PLATE



BEDDING EXTRACTOR

Patent Pending

The BEDDING EXTRACTOR is designed to removed soiled and bacteria laden bedding from the stall bed. The auger removes the bedding and directs it over the curb into the aisle for easy cleanup.

Shoveling the soiled and bacteria laden bedding out of the bed is a back breaking job that everyone avoids until it becomes a problem. The BEDDING EXTRACTOR, with its powered trench auger, makes quick work of removing the bedding material.

Bedding EXTRACTOR RAISES TO A VERTICAL POSITION FOR TRANSPORT. IT CAN BE ANGLED FORWARD TO LOWER ITS HEIGHT WHEN ENTERING LOW DOOR OPENINGS. THE BEDDING EXTRACTOR'S COMPACT DESIGN AND HYDRAULICALLY RAISED BOOM MAKES IT EASY TO MANEUVER IN TIGHT AREAS.

BENEFITS

- Two passes with the EXTRACTOR will cleanly remove up to 10" of bedding
- Powers bedding into the aisle for easy cleanup
- Effective way to remove bedding with high bacterial count from the rear of the stall
- Carbide mounted teeth removes the toughest bedding
- Speeds up a labor intensive job



CARBIDE TIPPED AUGER



CURB INDICATOR



PARKING STAND



QUICKLY CONNECTS TO A SKID STEER UNIVERSAL MOUNTING PLATE.



CONTACT SUPERIOR ATTACHMENTS FOR TECHNICAL ASSISTANCE. THEY HAVE THE RIGHT SYSTEM FOR YOUR STALL NEEDS.



SANDMAN

US Patent 6951253 B1

SIDE MOUNT

SANDMAN LP

US Patent 6951253 B1

SIDE MOUNT

SANDMAN SIDE MOUNT & SANDMAN LP SIDE MOUNT are designed to mount to the side of many compact tractors. SANDMAN will aerate, slope and groom freestall beds in one step. SANDMAN not only grooms, it leaves the bed at a uphill slope that cows prefer to lay on. Grooming with the SANDMAN is done at a walking pace allowing for quick preparation of the stall beds. Many of our customers groom stalls daily, some dairymen groom with SANDMAN every milking. SANDMAN SIDE MOUNT'S rotary grooming head is driven by a high torque low RPM motor. The electro hydraulic controls allow the operator to lower the boom and rotary arm between the stall loops into the bedding area. Once the boom is lowered the rotary motor is started, the operator adjusts the depth of tillage into the bedding material. All of SANDMAN SIDE MOUNT functions are controlled by the fender mounted toggle switch control box. The grooming area is highly visible from the tractor seat making it very easy for the operator to groom stalls. SANDMAN SIDE MOUNT is able to work under the stall loops to groom and slope the bedding material. Optional sprayer systems are available.

BENEFITS

- Sloping the bed improves cow comfort
- Sloping promotes proper cow placement within the stall
- Proper cow placement puts manure in the aisle
- Aeration dries bedding and reduces bacterial growth
- Speeds up a labor intensive job and lowers costs



TRACTOR FENDER MOUNT
ELECTRONIC CONTROLS



ROTARY ARM PITCH
ADJUSTMENT



8" of VERTICAL TRAVEL



MAT MATE SIDE MOUNT

Mat-Mate Side Mount is designed to mount to the side of many compact tractors. Brushing is done at a walking pace allowing for quick preparation of the stall beds. Mat-Mate Side Mount rotary brush is driven by a high torque low RPM motor. The electro hydraulic controls allow the operator to lower the boom and rotary brush between the stall loops into the bedding area. Once the boom is lowered the rotary motor is started, the operator adjusts the amount the brush contacts the bed. All of the Mat-Mate Side Mount functions are controlled by the fender mounted toggle switch control box. The brushing area is highly visible from the tractor seat making it very easy for the operator to clean the stalls. Optional sprayer systems are available.

BENEFITS

- Mat-Mate powers off organic material at a rate that normal scraping cannot match
- Better removal of organic material means mats will dry quicker
- Drier and cleaner mats lower bacterial growth
- Optional sprayer attachment applies disinfectant to the brushed areas



TRACTOR FENDER MOUNT
ELECTRONIC CONTROLS



ROTARY BRUSH
ADJUSTMENT



MAT-MATE

Mat-Mate is designed to brush off organic matter from the surface of cow mats more effectively than hand brushing. Manual brushing organic matter off cow mats is tedious work. Mat-Mate brushes off the organic material that can cause bacterial growth on the mat surface. Cleaning occurs at a fast walking pace. Mat-Mate is designed to quickly connect to a skid steer universal mount plate. Mat-Mate raises to a vertical position for transport. It can also be angled forward to lower its height when entering low door openings. The Mat-Mate's compact design and hydraulically raised boom, makes it easy to maneuver in tight areas.

BENEFITS

- Mat-Mate powers off organic material at a rate that normal scraping cannot match
- Better removal of organic material means mats will dry quicker
- Drier and cleaner mats lower bacterial growth
- Skid Steer Universal mounting plate
- One set of hydraulic couplers runs Mat-Mate's rotary brush and operates the boom
- Optional sprayer attachment applies disinfectant to the brushed areas



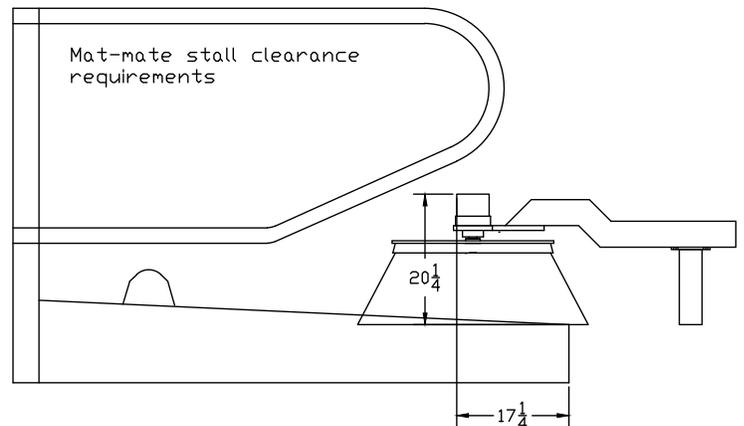
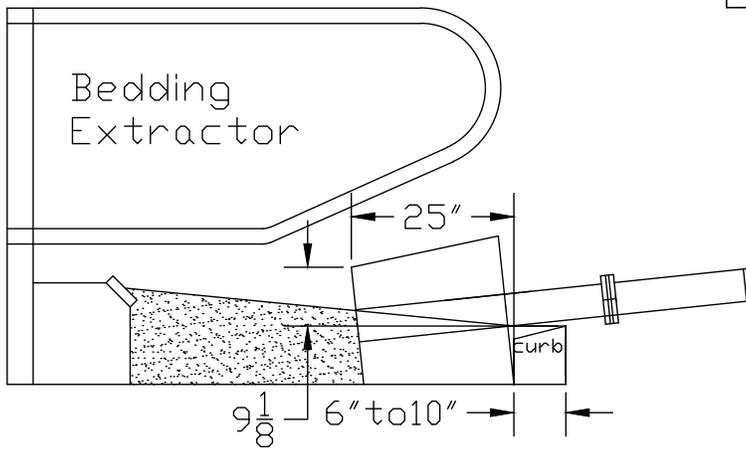
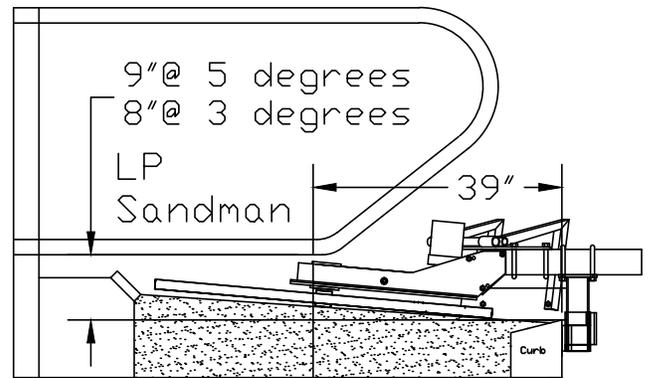
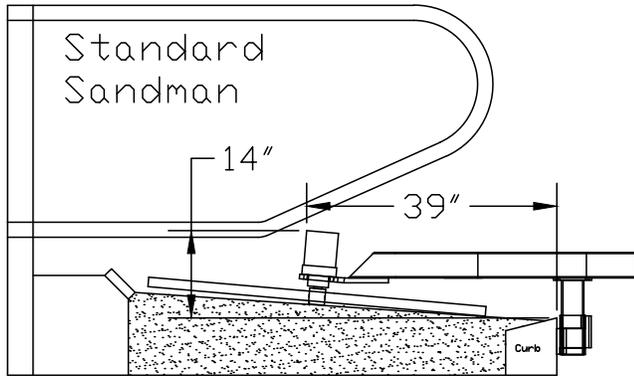
Shown with optional sprayer attachment.



SPECIFICATIONS

SPECS	SANDMAN	SANDMAN LP	SANDMAN SIDE MOUNT	SANDMAN LP SIDE MOUNT
Overall Working Length from aisle side of curb	65"	65"	65"	65"
Rotary Arm Drive	Direct Drive Hydraulic Motor	Chain case driven 100 roller chain, oil bath	Direct Drive Hydraulic Motor	Chain case driven 100 roller chain, oil bath
Rotary Arm	53"	53"	53"	53"
Hydraulic requirements	Single set of remotes, 8 gpm	Single set of remotes, 8 gpm	8 gpm	8 gpm
Number of shovels	4	4	4	4
Attachment of machine	Skid steer universal adapter plate	Skid steer universal adapter plate	Bolted to tractor	Bolted to tractor
Rotary Arm Speed	Preset flow controlled	Preset flow controlled	Preset flow controlled	Preset flow controlled
Rotary Arm Torque	Pressure relieved at preset torque	Pressure relieved at preset torque	Pressure relieved at preset torque	Pressure relieved at preset torque
Weight	675 lbs	855 lbs	N/A	N/A
Hydraulic Couplers	Flat face couplers; male tip pressure relieved for ease of connection	Flat face couplers; male tip pressure relieved for ease of connection	N/A	N/A
Curb Guide	Shoe, abrasion resistant steel	Shoe, abrasion resistant steel	Chain	Chain
Curb Scraper	Spring return, Reversible abrasion resistant steel	Spring return, Reversible abrasion resistant steel	Spring return, Reversible abrasion resistant steel	Spring return, Reversible abrasion resistant steel
SPECS	MAT-MATE	MAT-MATE SIDE MOUNT		
Brush Diameter	36"	36"		
Rotary Brush Drive	Direct Drive Hydraulic Motor	Direct Drive Hydraulic Motor		
Hydraulic requirements	Single set of remotes, 7 gpm	7 gpm		
Attachment of machine	Skid steer universal adapter plate	Bolted to tractor		
Rotary Brush Speed	Preset flow controlled	Preset flow controlled		
Rotary brush torque	Pressure relieved at preset torque	Pressure relieved at preset torque		
Weight	675 lbs.	N/A		
Hydraulic Couplers	Flat face couplers; male tip pressure relieved for ease of connection	N/A		
SPECS	BEDDING EXTRACTOR			
Cutting Width	24"			
Cutting Depth	1"-10"			
Auger Diameter	24" x 18" tapered for more stall clearance			
Auger flighting scraper	Spring activated			
Auger flight thickness	3/8"			
Number of carbide tips	22			
Rotary Auger Drive	Direct Drive Hydraulic Motor			
Hydraulic requirements	Single set of remotes, 8 gpm			
Skid steer mount	Universal adapter plate			
Auger Speed	Preset flow controlled			
Auger Torque	Pressure relieved at preset torque			
Weight	830 lbs.			
Hydraulic couplers	Flat face couplers; male tip pressure relieved for ease of connection			

STALL CLEARANCE REQUIREMENTS



BENEFITS

BENEFITS of USING SANDMAN & THE SANDMAN LP

- Slopes the cow bed uphill. The slope reduces the cow from creeping forward in the stall as she nests in the bedding. Cows naturally prefer to lay uphill. A sloped bed allows the cow to easily lunge forward to rise and also promotes uterine drainage. The degree of slope is preset in the head of SANDMAN.
- Redistributes the bedding. By redistributing the bedding and filling in pockets in the front of stall, the neck rail to the bedding height is corrected, providing better indexing. Proper indexing of cow places cow in bed with her tail over the curb. Proper indexing is difficult to achieve with uneven bed heights. SANDMAN produces very even beds allowing dairymen to adjust neck rails for proper cow indexing.
- Aerates bedding; drier bedding reduces bacterial growth in the bedding. Lower bacteria levels reduce stress on the cow.
- In sand bedding, cows keep dragging the bedding to the rear of the stall. The SANDMAN can move sand forward in stall by tipping forward the rotary arm allowing front half of the 360° circle to grab more sand than the rear half.
- In separated solids, SANDMAN aerates and fluffs the top 3-4 inches of bedding. The SANDMAN also removes the ridges from under the stall loop and redistributes the bedding to the stall bed.





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