TYPICAL APPLICATIONS

Rendering

 Poultry Processing Feathers

 Meat Processina Whole Carcasses

 Fish Processing Animal Waste

- Fish/Animal Bones

Shavings

Pulp & Paper, Gypsum Board, Particle Board

Lime Mud

• Wood Chips • Fiber Sludge Hogged Bark

• Screenings

Agriculture

• Pulp

 Fertilizer Corn Gluten • Grain Powder

 Sugar Beets/Cane Processing Salt • Flour

 Chopped Hay Meal

 Pellets Peat

Hospital Waste Processing, Recycle Plants

Shredded Cans

Bottles

Paper

Medical Disposables

Heavy Reject

Pulper Reject

Screenings

Wine & Beverage Industries

Whole Berry

• Stems

• Pumice

Fruit Peels

Waste Water • Solid Waste Treatment

• Sludge

• Grit

Screenings

Solids Removal

Heavy Industrial

Ash Coal

Bauxite

• Recycle Batteries

Metal Chip Handling

• Iron Ore

Carbon Black

Shredded Tires

• Bentonite • Limestone Caustic Soda Insulation

Martin SUCCESS STORIES

In any industry, unscheduled downtime can cost you money. Conveyor downtime can impact your production quotas and shipments of your finished products, which ultimately can affect your profits.

At Mailin we understand how important it is to keep your equipment operating. Below are some examples of how Martin was able to help.

Compost

Application: 50 TPH of compost conveyed to Drier.

Problem: Existing drag conveyor had two strands of drop forge chain. Chain would routinely break under load, shut down line, and require total clean out of 85' long drag.

Solution: Matin's Shaftless Conveyor provided the ideal choice for conveying wet and stringy compost. No internal pipe, no hangers, and no build up on trough bottom resulted in a huge performance improvement and cost savings over the earlier system.

Documented Savings: Customer's estimated savings was \$1.2 million/year.

Lime

Application: Burned lime being conveyed via Vibrating Conveyor.

Problem: Existing conveyor was noisy, difficult & expensive to maintain. Product spillage meant expensive housekeeping. A large replacement inventory was required, and vibrations were felt throughout facility.

Solution: Martin's Shaffless Conveyor provided low maintenance costs, total enclosure and quiet operation with only two moving parts, as well as the ability to handle oversized material.

Documented Savings: Customer's estimated savings \$125,000/year.

USA Arlington, TX 817-258-3000 (FAX 817-258-3333)

Sales and Manufac Danielsville, PA

610-837-1841 (FAX 610-837-7337) Ft. Worth, TX (Conveyor & Tool Div.) 817-258-3000 (FAX 817-258-3173) Montpelier, OH 419-485-5515 (FAX 419-485-3565) 916-441-7172 (FAX 916-441-4600) 404-292-8744 (FAX 404-292-7771)

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CANADA Sales and Manufact Mississauga, Ontario, Canada 905-670-1991 (FAX 905-670-2110) Ayr, Ontario (Conveyor Div) 519-621-0546 (FAX 519-621-4413) MEXICO Sales and Manufacturing
Matin Sprocket & Gear de Mexico,

S.A. de C.V. Toluca, Edo. de México +52 722 276 0800 (Fax: +52 722 276 0801) **Monterrey** +52 811 156 6830 (FAX +52 811 156 6833)

SHAFTLESS SCREW SPROCKET & CEAR, INC. www.martinsprocket.com • 817-258-3000 Where dependability is a tradition...and exceptional service is nothing new!"

Martin Shaftless Screw Conveyors — The Problem Solver

Matin Shaftless Screw Conveyors are the ideal solution for hard-to-transport materials ranging from irregularly shaped dry solids such as scrap wood and metals, to semi-liquid and sticky materials including pulp, compost, food-processing refuse, hospital waste, and wastewater products.

Matin Shaftless Conveyors' simple, pipeless design employs fewer parts than conventional shafted-screw conveyors, reducing lifetime maintenance costs. It enables higher trough loading and lower RPMs, maximizing the volume of materials conveyed. Matins Shaftless Screw eliminates jamming and buildup typical in shafted-screw conveyors for greater uptime, higher efficiency, and lower maintenance. It

eliminates hanger bearings and end bearings to reduce maintenance and increase efficiency - enabling direct transfer to another conveyor.

Martin Shaftless Screw Conveyors and components are manufactured and stocked at our branches strategically located near major industrial markets across North America. This ensures rapid shipping on new installations and next-day delivery on stock replacement parts.

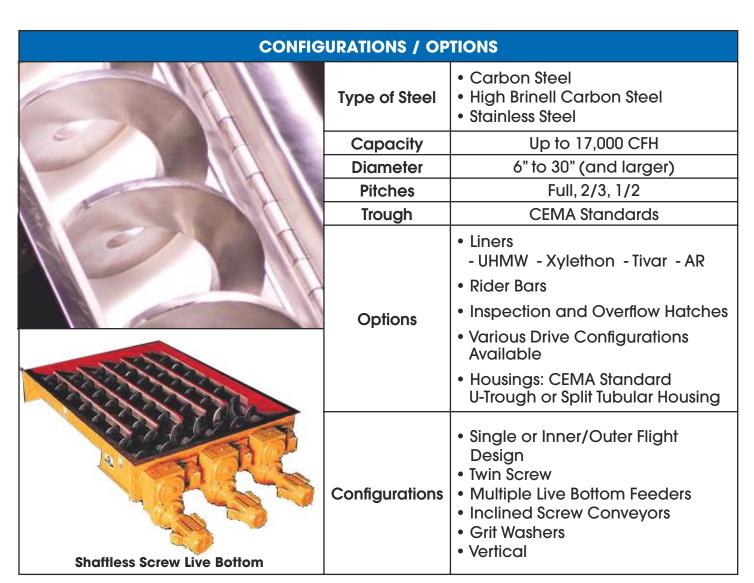
Several test units, as well as video footage of actual applications, are available for demonstration of the unique capabilities of the shaftless screw. Discover the benefits **Matin** conveyors can bring to your business – call us today to arrange an on-site demo using your product.

FEATURE	FUNCTION	BENEFIT	
No Center Pipe Required	Eliminate buildup on pipe	Able to convey large irregularly shaped and sticky product	
Continuous Flight	Hanger bearings not required	Eliminate costly hanger bearing maintenance	
Higher Trough Loading	Can handle more product at lower RPMs	Longer wear life	
Can use Blind Endplate on Tail End	No tail bearings or seals to maintain	Reduces maintenance and replacement costs	
No End Bearings Needed	Direct transfer to another conveyor, incline, vertical or horizontal	Can be designed to fit within space limitations or plant layout	
Side Inlet Feeding	No vertical transition necessary	Lower installation cost — Reduces headroom	
3/4" - 1" Thick Flighting	Long lasting due to wear resistance	Increases uptime	
Cold Formed Flight	High Brinell	Longer life	
Wide Variety of Liners	Offer proper liner for specific application Reduction		
Simple Design	Fewer operating parts	Lower overall operating costs	
Compact Drive System	Doesn't require belts	Easy to maintain	
Can be Completely Enclosed	Prevent material leakage — Reduces dust	Eliminates environmental or product contamination	
Manufactured in North America	Quality Built — Local Stock Fast delivery		

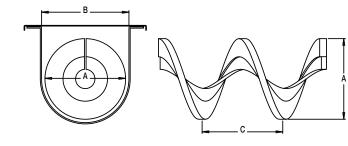








^{*}Conveyors shown without cover for illustration purposes only. Please follow manufacturing safety guidelines when operating conveyors.



50% Trough Loading*					
Nom. Dia.	A Dia.	B Inside	C Pitch	CFH @ 1 RPM	Max RPM
6	6	7	6	2.5	25
9	9	10	9	9.1	25
10	10	11	10	12.7	25
12	12	13	12	21.6	25
14	14	15	14	34.7	25
16	16	17	16	51.9	25
18	18	19	18	75.1	25
20	20	21	20	104	25
24	24	25	24	182	25
30	30	31	30	359	25



