

# Coloring Systems

## Morbark N-Viro Mulch

Product Information



Now there's a better way to profit from shredded, recycled wood waste other than converting it into common boiler fuel, compost or animal bedding. The Morbark N-Viro Mulch Coloring System turns shredded wood waste into color enhanced, premium landscape mulch, a high value consumer product with a large profit potential. The Morbark N-Viro Mulch Coloring System employs a patented process

using rich, organic pigments to transform recycled shredded wood waste into decorative landscape mulch that resists fading, providing homeowners and landscapers color retention and fresh appearance. A simple addition to your current grinding system, the N-Viro Mulch System consists of a variable speed, infeed hopper/conveyor that closely monitors and meters the wood flow as it enters the coloring chamber. The system is based on fail-safe mechanical principles for simple operation, assuring no struggles with complicated color systems or computer failures. The completely self-governing system easily adjusts the rate of color applied, and because the N-Viro Mulch System is enclosed and clean, it allows for indoor processing. Changing the color is as simple as attaching a new drum of colorant and continuing. With the ability to process 50 to 120 or more cubic yards of material per hour (depending on material) you'll be able to produce more mulch in less time. Organic colorants are available in five earth tone colors, including red, gold, brown, rose and black.



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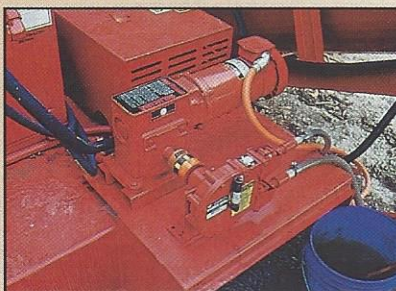


# Morbark N-Viro Mulch **Coloring Systems**

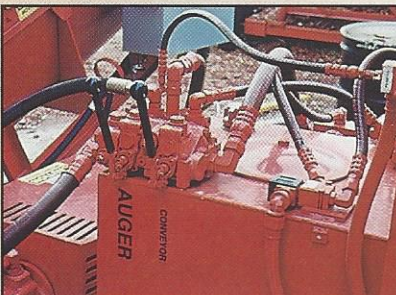
*A variable speed, infeed hopper/conveyor closely monitors and meters the wood flow as it enters the coloring chamber.*



*The rate of color applied per cubic yard of mulch is easily adjusted with the variable flow colorant metering pump. Changing colorant is simple too, just change drums and continue.*



*The fail-safe hydraulic system features a sensor which shuts off the feed of material in the event the auger is stopped for any reason.*



*Water and colorant are mixed precisely in the control panel and injected into the mulch through six spray nozzles.*



*With the ability to process 50 to 120 or more cubic yards of material per hour (depending on material), you'll produce more mulch in less time. Several colors and options are available.*

## **COLORING UNIT**

20" x 34' auger section with infeed hopper and support legs, completely seated. Conveyor discharge height: 12'6". Installed with safety door to shield infeed hopper. 6,000 Char-Lynn drive. Production capacity: 50-120 cubic yds per hour.

## **COLORING METERING SYSTEM**

Mixes colorant and water to an accuracy of +/- 1%, independent of water pressure fluctuations. Includes positive flow peristaltic pump with digital control and flow meter for precise control of colorant injection and the ability to pinpoint production costs.

## **WATER REQUIREMENTS**

20-25 GPM, 1-1/2" to 2" water line required.

## **20 HP ELECTRIC PUMP STAND**

20 HP Lincoln electric motor. Vickers double pump stand with hydraulic controls, 45 gallon hydraulic reservoir. Starter mounted and wired to motor. Electrical requirements: 480 Volt, 3 phase.

## **FEED CONVEYOR**

**Model 2000:** 3.5 yard feed conveyor, 24" x 16' complete with hopper and dual C-188 chain, hardwood paddles and 2,000 Series Char-Lynn hydraulic drive.

**Model 2060:** 6 yard feed conveyor, 24" x 20' complete with hopper and dual C-188 chain, hardwood paddles, and 2,000 Series Char-Lynn hydraulic drive.

**Model 2100:** 10 yard feed conveyor, 6' x 12' opening and a drag chain moving floor with 6,000 Series Char-Lynn hydraulic drive and bolt on support legs.

**Model 2200:** 20 yard feed hopper with 10,000 Series Char-Lynn hydraulic drive and triple mill feed to conveyor. Hopper height: 11' from ground.

## **OPTIONAL EQUIPMENT**

21 HP Kubota diesel pump stand complete with Vickers double pump, hydraulic controls, 45 gallon hydraulic tank, 30 gallon fuel tank, battery and all necessary gauges and controls.

24 HP Onan gas pump stand complete with Vickers double pump, hydraulic controls, 45 gallon hydraulic tank, 30 gallon fuel tank, battery and all necessary gauges and controls.

5 HP Electric drive with reducer for auxiliary conveyor.

Radial pivot to the coloring unit in lieu of standard legs.

Towing package

\*Note: Pump stands are plumbed to run an auxiliary conveyor