



MORBARK®
BUILDING EQUIPMENT THAT CREATES OPPORTUNITIES



MORBARK® CHIPARVESTOR™

MODELS

- 20
- 22
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HEAVY-DUTY INDUSTRIAL WHOLE TREE DISC CHIPPERS FROM THE LEADER IN THE INDUSTRY

Creating Opportunities: Past, Present and Future

At Morbark®, we have always been there for our customers, providing new opportunities throughout our long history, and we always will be.

In 1957, Norval Morey founded the Morbark Debarker Company in Winn, Michigan. Since then, Morbark has grown from a simple blacksmith shop to a huge manufacturing complex; from two workers to hundreds of employees; and from one product to hundreds of heavy equipment designs. From our roots in the sawmill industry, we've expanded into forestry, recycling, tree care and the biomass energy market.

We get to know you by listening to you, then improving our products based on what you say. Our equipment is durable, dependable and productive, and our name is the most trusted in the industry. When you choose Morbark, you make a commitment to excellence – and we're committed to helping you achieve success by creating new opportunities for you: unexplored revenue streams, untapped markets and better uses of byproducts.

We recently invested in Heat Transfer International (HTI), extending our capabilities from making the finest wood reduction equipment to producing systems that generate usable electricity and steam from wood and other organic materials. It's yet another example of how we apply innovation to bring us – and you – new opportunities for today, and far into the future.

Customer Testimonials



"In the last 20 years we have tested other brands of machines out, but we have always stayed with Morbark. In my opinion, the Morbark Chiparvestor is the most durable, long-lasting, high-production machine on the market. At certain times of the year we have big chip orders to fill, and I wouldn't think of anything else to use but a Morbark Chiparvestor to get the job done."

Terry Pannell
Pannell Chipping
Broken Bow, OK



"I was counting on 'Old Blue' to be the workhorse of the operation – a tall order for a 35-plus-year-old piece of equipment that I bought on eBay – but she definitely rose to the challenge. That chipper has been at work every day with us now for more than three years and gives us all the production we need and then some."

Mark Congden (left)
Mark Congden Logging & Landclearing
Cleveland, NY



"We bought our first chipper, a new Morbark Model 20 WCL, in 1988, and since then, we have bought six more Morbark chippers. Looking forward, we will continue to buy only Morbark because of their minimal downtime, solid construction and superior performance."

Travis Khiel
John Khiel Logging
Denmark, ME

MODELS, FEATURES AND OPTIONS FOR EVEN THE MOST CHALLENGING CHIPPING JOB

Morbark® introduced the first portable whole tree chippers in the early 1970s, and has led the industry ever since. We offer a full line of Morbark Chiparvestor™ whole tree chippers in a range of sizes and in several configurations – with cab and loader (WCL) or no cab and loader (NCL), on tracks or tires, diesel or electric powered. Add to these choices a wide variety of available options, and you've got the flexibility to customize the perfect whole tree chipper for your particular needs.

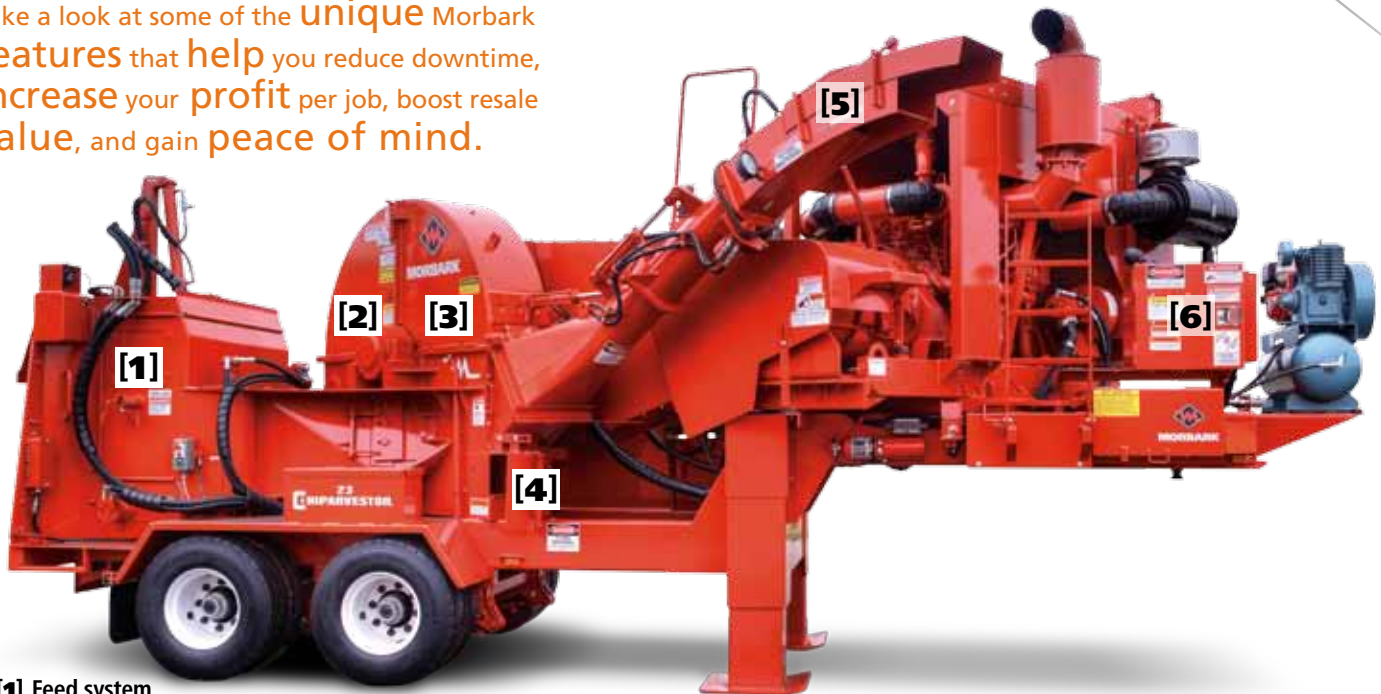
All models are aggressive, highly productive, and engineered to give you the power and features you need to maximize output and enhance your profitability. In addition, they:

- Are designed with customer input
- Are durable and long lasting
- Are known for high resale value

The Morbark Chiparvestor is designed to provide unmatched flexibility in controlling chipper RPM, feed rate and other parameters,

while meeting the challenges of varying timber, climate, species and conditions. It produces clean, high-quality chips even from non-merchantable and juvenile timber. We'll help you configure the ideal machine for your application, whether you're producing biomass fuel chips or clean chips to meet the tight specifications of the pulp and paper industry. These are just some of the reasons that Morbark is the largest and most respected name in whole tree chipping.

Take a look at some of the **unique Morbark features** that **help** you reduce downtime, **increase** your **profit** per job, boost resale value, and **gain peace of mind**.



[1] Feed system

The powerful, high-torque, multi-wheel hydraulic feed system provides a positive and highly efficient feed, crushing limbs and tops for maximum production rates. It controls the wood, feeding it to the chipper at a constant rate and making uniform, high-quality chips that will keep your customers coming back for more. The unique spreader infeed system spreads multiple stems apart, aiding bark removal, especially with smaller-diameter material.

[2] Chipper disc

The heart of the Morbark Chiparvestor is its chipper disc – long recognized for quality and performance. Morbark chipper discs are fabricated from ultrasonically tested and certified plate steel that meets ASTM A36 standards. Discs are processed to perfection to provide high-quality, superior performance for years to come.

[3] Wide variety of knife configurations

The Morbark Chiparvestor can be arranged with three, four or six knives, and you can dial in chip thickness and length, giving you the power to produce a range of chip sizes from very small to very large. This high degree of customization provides the versatility you need to service diverse markets, expanding your sales potential and increasing your income.

[4] Quick-change dirt separator

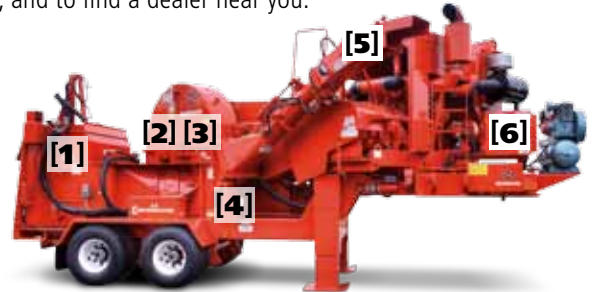
The dirt separator rejects dirt, twigs, bark and foliage, which improves the quality of your output by removing a high percentage of the contaminants and impurities found in chips made from whole trees. You get a higher-quality, more marketable product.



WHEN YOU CHOOSE MORBARK, YOU GET MORE THAN JUST THE BEST WHOLE TREE DISC CHIPPER IN THE INDUSTRY.

You also get the benefit of more than a half-century of experience, unmatched expertise in whole tree chipping, and world-class parts, service and support. Morbark has a global network of dealers that ship, start up and support our equipment, wherever you are. If you need a replacement part, you get it when and where you need it. If you have a problem, our service team gets you up and running quickly, onsite or remotely, saving you time and money.

Create new opportunities with a Morbark Chiparvestor whole tree disc chipper. Give us a call now at **800-831-0042**, or visit us at **www.morbark.com** for more information, including spec sheets and videos, and to find a dealer near you.



[5] Discharge

The hydraulic powered swivel and telescoping chip discharge spout maximizes your chip loads.



[6] Morbark Integrated Control System

Morbark Integrated Control System (MICS) monitors hydraulic pressures, temperatures, clutch systems and engine efficiency to maximize performance and decrease downtime. MICS is the ultimate diagnostic tool, allowing onsite and remote troubleshooting – it's like always having a mechanic onboard to look out for and solve problems. It also tracks operational data and fuel usage.



[+] Optional CAT undercarriages

Track models feature CAT undercarriages, providing excellent ground clearance, low ground pressure, and high tracking power, so you can traverse almost any terrain to tackle tougher jobs. Morbark track models can track and chip at the same time, increasing your production and helping you make more money.



[+] Optional cab

The optional all-weather cab, with its six-way adjustable seat, is the most operator-friendly and comfortable cab in the industry. It increases productivity by reducing operator fatigue, and its backlit controls, clearly labeled functions, and all-digital MICS display ensure easy operation.



[+] Optional loader

At Morbark, we manufacture a complete line of hydraulic knuckleboom loaders for our equipment to ensure that we can offer essential design requirements for loader speed, reach and lift capacity. Building our own loaders also guarantees our customers the quality control and parts availability that they have come to expect from Morbark.



[+] Additional options

Customize your Morbark Chiparvestor with a variety of options: light package, air compressor, ESPAR heater, reversing fan, different disc sizes, and much more.



[!] Attention to detail

Morbark's attention to detail is evident in the design of all of our equipment. Because we're intimately familiar with the industries we serve, we know how the little things can make a big difference to you. So we focus on fine-tuning the many features that make our Morbark Chiparvestors easy to use and efficient – so you can be more productive.





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20

Length 28'8"
Height 11'3"
Width 8'6"
Gross weight 34,500 lbs.
Horsepower 325 – 500 HP



22

Length 27'0"
Height 13'4"
Width 10'8"
Gross weight 52,000 lbs.
Horsepower Up to 875 HP



23

Length 27'4"
Height 13'6"
Width 10'10"
Gross weight 45,000 lbs.
Horsepower Up to 800 HP



30

Length 32'0"
Height 13'4"
Width 10'4"
Gross weight 58,000 lbs.
Horsepower Up to 875 HP

NOTE: Equipment specifications may change, based on options chosen. Current specifications are available at www.morbark.com.