

 **Machinery**  
by SHRED-TECH  
REDUCE. RECLAIM. RECYCLE

  
Black River Trading



  
PRONAR





by SHRED-TECH

REDUCE. RECLAIM. RECYCLE



# PRONAR & 3R-MACHINERY DISTRIBUTION

We are 3r-Machinery, a subsidiary of Shred-Tech®. Since its inception in 1978, Shred-Tech® has become the largest manufacturer of shredding trucks with the largest global footprint of any specialty shredding manufacturer.

As a highly reputable volume reduction and material destruction company, Shred-Tech® specializes in manufacturing and distribution of dependable shredding and recycling solutions, including industrial stationary shredding systems, shredding trucks, collection trucks, and heavy-duty mobile recycling equipment. Our customer-focused approach involves taking the time to understand our customers' requirements and providing ongoing support to achieve their mission. Our dedicated distribution division, 3r-Machinery, supports North American dealer success by providing timely delivery, resources, and service for their regional markets. Our dealer partners are our connection to success.

Based in Narew Poland, Pronar is a leader in the production of agricultural, recycling, and municipal waste machinery. Pronar also manufactures driving systems, gears, pneumatic & hydraulic components, and more. All crucial Pronar components and whole machines are manufactured in-house in eight modern factories. Pronar employs over 3,000 people, 170 are highly qualified engineers. With high-quality design, ease-of-use, and excellent after-sales support, Pronar products can be found in over 80 countries around the world and every continent. With over 30 years of production and sales experience, Pronar is a vertically integrated manufacturing partner for 3r-Machinery and the core of the large mobile processing product assortment.

At 3r-Machinery, we are dedicated to delivering the highest quality shredding solutions, mobile conveyors, trommel screens, and more to align with our customers' processing and recycling specifications. As the sole distributor for Pronar's heavy equipment and machinery, we continue to provide the shredding and recycling market with the most dependable machines, unmatched service and exceptional value. 3r-Machinery provides North American wide logistical experience, professional support, and short lead times to our growing network of Pronar dealers.

3r-Machinery | Reduce, Reclaim, Recycle.

# ABOUT THE DEALER



Black River Trading

NEW DEALERSHIP



Contact Us Today to Learn More



# OEM PARTS AVAILABLE

3r-Machinery provides an all-encompassing OEM parts and service program for complete Pronar equipment maintenance, repair, and support. With a full range of OEM replacement parts and components, next-day shipment anywhere in North America, training & certifications, and a convenient online parts portal, 3r-Machinery offers seller and end user businesses the parts and resources necessary for success.

## With Us You Get Access to:

- Highly available OEM Pronar parts
- Next-day delivery
- Service center authorization
- Technical training & certification
- Online parts portal
- Parts configuration service
- A full Pronar product catalog

## Order Today Ship Tomorrow

# PRIMARY & SECONDARY MOBILE SHREDDERS

In-Stock for Immediate Delivery

MRW 2.1010 | MRW 2.85g | MRW 2.75g  
MRW 2.65g | MRS 1.53 | MRW 1.300 & 1.300g



TECHNICAL SPECIFICATIONS	MRW 2.1010 Two Shaft	MRW 2.85g Two Shaft	MRW 2.75g Two Shaft	MRW 2.65g Two Shaft	MRS 1.53 Single Shaft	MRW 1.300(g) Single Shaft
<b>TECHNICAL SPECS</b>						
Engine	Volvo Penta 16.1l 768HP (585 kW) Stage V/Tier 4 Final	CAT C9.3B 405HP(310 kW) Stage V/Tier 4 Final	Volvo Penta 7.7l 285HP (210 kW) Stage V/Tier 4 Final	Volvo Penta 5.1l 240HP (175 kW) Stage V/Tier 4 Final	Volvo Penta 12.8l 550HP (405kW) Stage V/Tier 4 Final	Volvo Penta 12.8l 550HP (405kW) Stage V/Tier 4 Final
Fuel Tank Size	317 gallon (1200L)	184 gallon (700L)	105 gallon (400L)	105 gallon (400L)	184 gallon (700L)	169 gallon (640L)
Loading Height	125"	124"	108"	98"	96"	112"
Shredding Chamber	96" x 114"	68" x 92"	63" x 92"	61" x 27"	86" x 144"	86" x 144"
<b>PERFORMANCE SPECS</b>						
Max. Shaft Speed	34 RPM	37 RPM	37/42 RPM	37 RPM	1000 RPM	27 RPM
Hopper Volume	159 Cu/Ft	106 Cu/Ft	88 Cu/Ft	N/A	N/A	226 Cu/Ft
Throughput	Up to 100 t/h	Up to 40 t/h	Up to 40 t/h	Up to 20 t/h	10,595 Cu Ft/hr	Up to 120 t/h
Shred Size (depending on material)**	6" to >24"	6" to >24"	6" to >24"	6" to >24"		2" to >6"
Machine Weight	97,020 lbs.	58,168 lbs.	36,383 lbs.	37,479 lbs.	59,535 lbs.	59,535 / 66,150lbs.
<small>*Throughput stats are approximate and great effected by the material being processed and machine configuration.  **Due to the variety of the discs per shaft and the cutters per disc, an end product of approximately 5"-20" can be achieved.  *** t/h - Tons Per Hour      Cu Ft/h - Cubic Feet Per Hour</small>						

# Up to **120** tons per hour



## Shredding & Volume Reduction

- Waste wood, railway ties, cable reels
- Green waste, roots, construction, demolition material
- Paper rolls, tires, mattresses
- Plastics, films, etc.
- Scrap metals
- Tires
- Concrete, asphalt
- All kinds of domestic, industrial, or bulky waste
- And more
- Capable of achieving up to 120 t/h

## Shredder Options

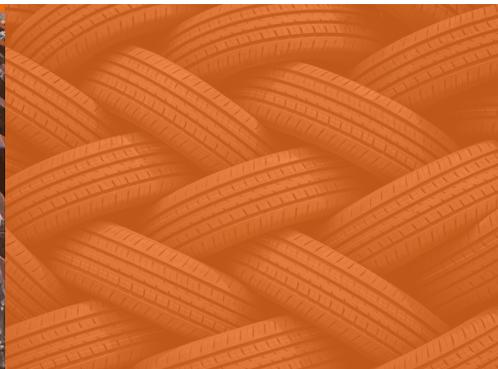
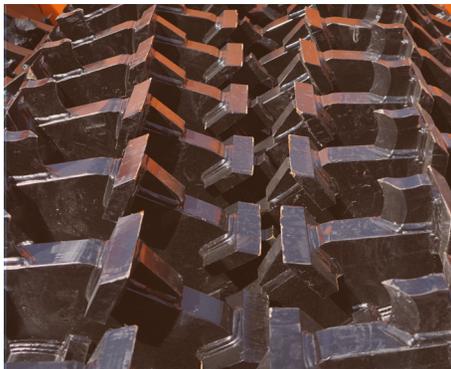
- Trailer mounted
- Hook lift with hydraulic landing gear
- Track mounted
- High power cross belt magnet
- Water sprinkling dust management
- Upgraded "Cleanfix" radiators
- Material specific shaft configurations
- Alternative standard engines

## Advantages

- Reduces waste volume by as much as 90%
- Stress free service thanks to easy-access engine area
- Specialty programs for each waste material
- Different machine sizes according to material requirements and throughput
- Final products from "fine" (approximately <2") to "coarse" (approximately <31")
- Low loading heights
- Large fuel capacity and powerful engines

## Standard Features

- Central lubrication
- Radio remote control
- Digital operator controls
- Remote machine telematics
- Class leading fuel efficiency
- Tipping hoppers
- 2 belt conveyance systems
- Class leading warranty



# PRONAR SLOW & HIGH SHREDDERS

MRW 2.1010 | MRW 2.85g | MRW 2.75g | MRS 2.65g | MRW 1.300 | MRW 1.300g

## Tilting Hopper

Expanded feed capacity able to accommodate consistent processing



## Engine

- Caterpillar or Volvo diesel engines
- Low fuel consumption
- Easy access for maintenance
- Improved noise protection
- Large fuel capacity



## Discharge Belt

- 55" wide out-feed belt with discharge height adjustable to 198"



## Overband Magnet

- Hydraulically height adjustable
- Extra strong magnet



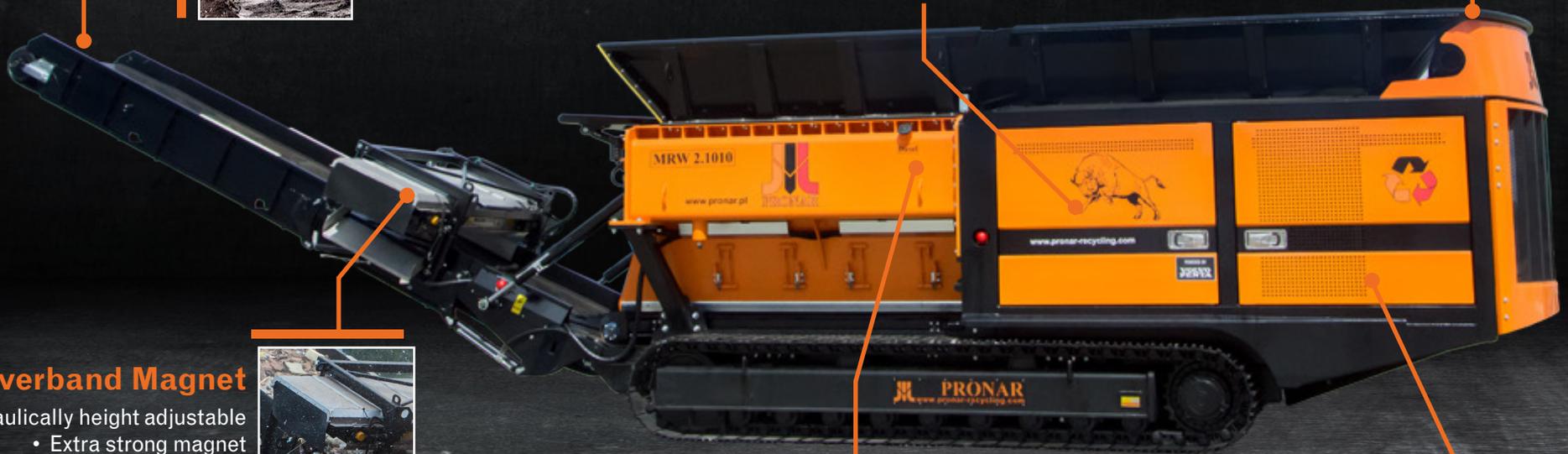
## Shredding Shafts

- Aggressive in-feed
- No material wrapping
- 4 adjustable shred settings



## Remote Control

- Move the machine
- Tilt the Hopper
- Engage the shredder

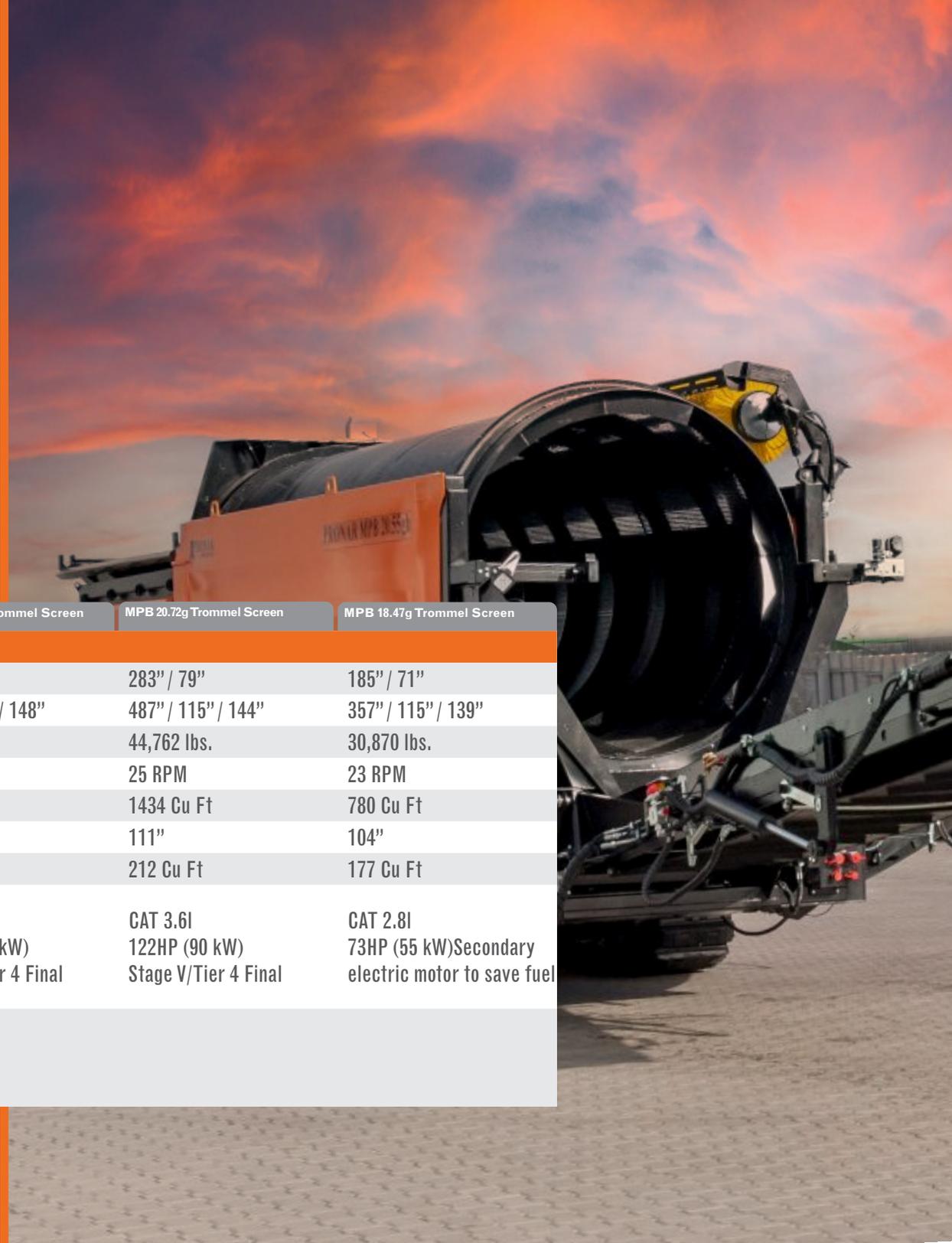


WOOD WASTE | PALLETS | RAILWAY TIES | E-WASTE | WHITE GOODS  
DOMESTIC, INDUSTRIAL & BULKY WASTE | CABLE REELS | TIRES | PAPER ROLLS | GREEN WASTE | MATTRESSES | ROOTS | ALUMINUM  
CONCRETE | ASPHALT | CONSTRUCTION AND DEMOLITION DEBRIS | TIRES | SCRAP METAL

# PRONAR MOBILE TROMMEL SCREENS

In-Stock for Immediate Delivery

MPB 20.55gh | MPB 20.72g | MPB 18.47g



## TECHNICAL SPECIFICATIONS

	MPB 20.55gh Trommel Screen	MPB 20.72g Trommel Screen	MPB 18.47g Trommel Screen
Trommel Screen Dimensions (length / diameter)	217" / 79"	283" / 79"	185" / 71"
Dimensions (length / width / height)	423" / 122" / 148"	487" / 115" / 144"	357" / 115" / 139"
Weight	45,952 lbs.	44,762 lbs.	30,870 lbs.
Max Trommel Rotational Speed	19 RPM	25 RPM	23 RPM
Effective Sieve Surface	1052 Cu Ft	1434 Cu Ft	780 Cu Ft
Loading Height	105"	111"	104"
In-Feed Hopper Capacity	212 Cu Ft	212 Cu Ft	177 Cu Ft
Engine	CAT 3.6l 122 HP (90 kW) Stage V/Tier 4 Final	CAT 3.6l 122HP (90 kW) Stage V/Tier 4 Final	CAT 2.8l 73HP (55 kW)Secondary electric motor to save fuel

\* The RPM of the trommel screen is adjustable depending on the material being screened.

# Effective and Efficient Sized Based Material Separation

## PRONAR MPB TROMMEL SCREENS

3r-Machinery is proud to offer our practical and robust models of Pronar trommel screens, designed to efficiently separate agricultural, shredded waste, and aggregate materials by size for convenient sorting and processing.



### Special Features

- **AUTO START |**  
The built-in auto-start feature on each model of trommel screen gets you up and running faster
- **STREAMLINED OPERATIONS |**  
Quick parameter changes are achieved via an easy-to-use control panel
- **CUSTOMIZABLE DRUMS |**  
Screen drums be made with round or square hole configurations and various drum thicknesses to easily separate desired material types
- **EASY-ACCESS COVER PANELS |**  
Easily service or replace drums or service the machine powerplant
- **FULL MOBILITY |**  
Thanks to a totally autonomous drive system with crawler suspension that allows it to be moved at any time for easier screen repositioning
- **FRAME HEIGHT ADJUSTMENT |**  
Hydraulic cylinders makes it easy to level the screen drum and position the trommel on difficult terrain (Available on 20.55gh models)

### Commitment to Service & Support

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# PRONAR MPB TROMMEL SCREENS

The Pronar MPB series of mobile trommel screen is a combination of durable construction and simplistic operation to effectively separate materials for further processing. Mobile screens are an excellent way to sort a wide range of material types by size, including soil, compost, municipal waste, coal, aggregate, and biomass. Pronar trommel screens have near universal designs, that allow the use of drums from some manufacturers with the machine.



Replaceable drums with round or square holes and drum thickness according to customer requirements



Hydraulically raised and lowered trommel cleaning brush



Reinforced belt on in-feed hopper conveyor



Control panel with easy-to-use functions



Conveyor belt speed control

Quick and easy drum change



Hydraulic support legs



Central lubrication system



The engine and hydraulic system are mounted on a pull-out frame which provides easy access for maintenance.



# PRONAR MOBILE CONVEYOR SYSTEMS

Easily Shipped Anywhere in  
North America

MPT 30/1g | MPT 24/1g | MPT 18/1g

MPT 15g



## TECHNICAL SPECIFICATIONS

	MPT 30/1g Conveyor	MPT 24/1g Conveyor	MPT 18/1g Conveyor	MPT 15g Conveyor
Belt Length	100 ft.	77 ft.	62 ft.	53 ft.
Pile Stacking Height	42 ft.	35 ft.	28 ft.	24 ft.
Belt Width	41"	35"	35"	35"
Dimensions (length / width / height)	497" / 116" / 128"	468" / 89" / 124"	467" / 89" / 96"	467" / 89" / 95"
Maximum Throughput*	500 t/h	400 t/h	400 t/h	400 t/h
Fuel Tank Size	46 gallon (175L)	46 gallon (175L)	46 gallon (175L)	46 gallon (175L)
Engine	CAT 2.8l 75HP (55,4 kW) Stage V/Tier 4 Final	CAT 1.7l 47HP (36 kW) Stage V/Tier 4 Final	CAT 1.7l 47HP (36 kW) Stage V/Tier 4 Final	CAT 1.7l 47HP (36 kW) Stage V/Tier 4 Final

\*Throughput is Dependant on the material type being processed and feed rate from the hopper.

\*\* t/h - Tons Per Hour

# Stack Material to Impressive Heights with Pronar

## PRONAR MPT MOBILE STACKING CONVEYORS

3r-Machinery is proud to offer 4 sizes of mobile stacking conveyors designed to pile material to new heights for your business. Stack shredded waste and aggregate materials with ease all day every day.



### Special Features

- **REMOTE OPERATION |**  
With remote operation the loader operator is also the stacking conveyor operator, saving man power and time
- **LOW FUEL CONSUMPTION |**  
Stack material for days thanks for the large fuel capacity and fuel efficiency of Pronar
- **EASY TO TRANSPORT |**  
All Pronar stacking conveyors can easily be transported inside a 40-Foot High Cube shipping container
- **COMPLETE MOBILITY |**  
All Pronar stacking conveyors are tracked and mobile, helping them move with the job
- **MOVE A LOT OF MATERIAL |**  
With a stacking throughput of up to 500 tons per hour with the MPT 30/1g model you can count on Pronar to keep up on the job site

### Commitment to Service & Support

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# PRONAR MOBILE STACKING CONVEYORS

MPT 30/1g | MPT 24/1g | MPT 18/1g | MPT 15g

## Remote Control

- Wired remote controls for all models



## 4 Belt Options

- 4 belt lengths available
- 100-feet
- 77-feet
- 62-feet
- 53-feet



## Engine

- Caterpillar or Volvo diesel engines
- Low fuel consumption
- Easy access for maintenance
- Improved noise protection



- 4 ideal stacking heights
- Conveyor belts up to 100-feet in length

## Wide Conveyor Belt

- Aggressive in-feed
- No material wrapping
- 4 adjustable shredding settings



SOIL | AGGREGATE | WOOD WASTE | DOMESTIC, INDUSTRIAL & BULKY WASTE  
TIRES | PAPER ROLLS | GREEN WASTE | ROOTS | ALUMINUM | CONSTRUCTION AND DEMOLITION DEBRIS

# PRONAR MBA 4512g WINDROW TURNER

Touch Screen & Joystick Operation  
Easy to Use  
Air Conditioned Cabin  
Category 4 Air Cleaning System  
Powerful and Reliable

## ORDER TODAY



### TECHNICAL SPECIFICATIONS

Prism Dimensions (width / height)	177" / 86"
Dimensions (length/width/height)	157" / 197" / 181"
Weight	31,973 lbs.
Air Filtration Spec	EN-15695 cat. 4
Throughput	105,944 Cu Ft/h
Max Shaft Speed	220 RPM
Fuel Capacity	94 gallon (355L)
Engine	Volvo Penta 7.71 215HP (160 kW) Stage V/Tier 4 Final

\*The revolutions per minute of the shafts can be infinitely adjusted. Both shafts are driven separately and can thus run with different speeds & directions.

\*\* Cu Ft/h - Cubic Feet Per Hour

# Heap Compost Quickly and Efficiently with Pronar

## PRONAR MBA WINDROW TURNERS

3R-Machinery is proud to offer our the MBA 4512g windrow turner a mobile compost aeration machine designed to optimize decomposition and compost pile aeration, releasing excess heat and encouraging evaporation.



### Special Features

- **COMFORTABLE CABIN |**  
The cabin of the MBA 4512g is designed for driver comfort throughout the work day
- **EASY OPERATION CONTROLS |**  
Enable the driver to easily control the entire machine through a touch screen and joystick configuration
- **AIR CONDITIONED |**  
Stay cool even on the hottest days with air conditioned equipped as a standard feature
- **CONVENIENCE & SAFETY |**  
Safety and convenience are top of mind with this machine, the shaft direction can be shifted on the fly from forward to reverse
- **FULL MOBILITY |**  
Tracked mobility allows this machine to operate in a wide range of environments
- **AIR CLEANING SYSTEM |**  
The Pronar MBA 4512g is equipped with a EN-15695 cat. 4 air filtration system for the operator cabin
- **SIMPLIFIED SERVICE |**  
Easy to service and get back in action after any repair

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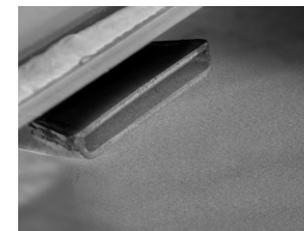
# PRONAR MBA 4512g WINDROW TURNER

The Pronar MBA 4512g windrow turner is a combination of durable construction and simplistic operation to quickly and efficiently aerate compost rows on the job site. A comfortable operators cabin with professional joystick and touch screen controls allow the operator to stay on top of operations while staying cool in the air filtered and air condition cabin.



Rear facing camera

Air-Conditioned Cabin



EN-15695 cat. 4 Air Filtration



Joystick and touch-screen controls



Tracked machine design



220 PRM aerating turner shaft



177" x 86" Prism moving up to 105,944 Cu/Ft. of material per hour.



# PRONAR SCALPER SCREEN

Highly versatile screening, ready for  
aggregate material streams

**MPP 1238s**

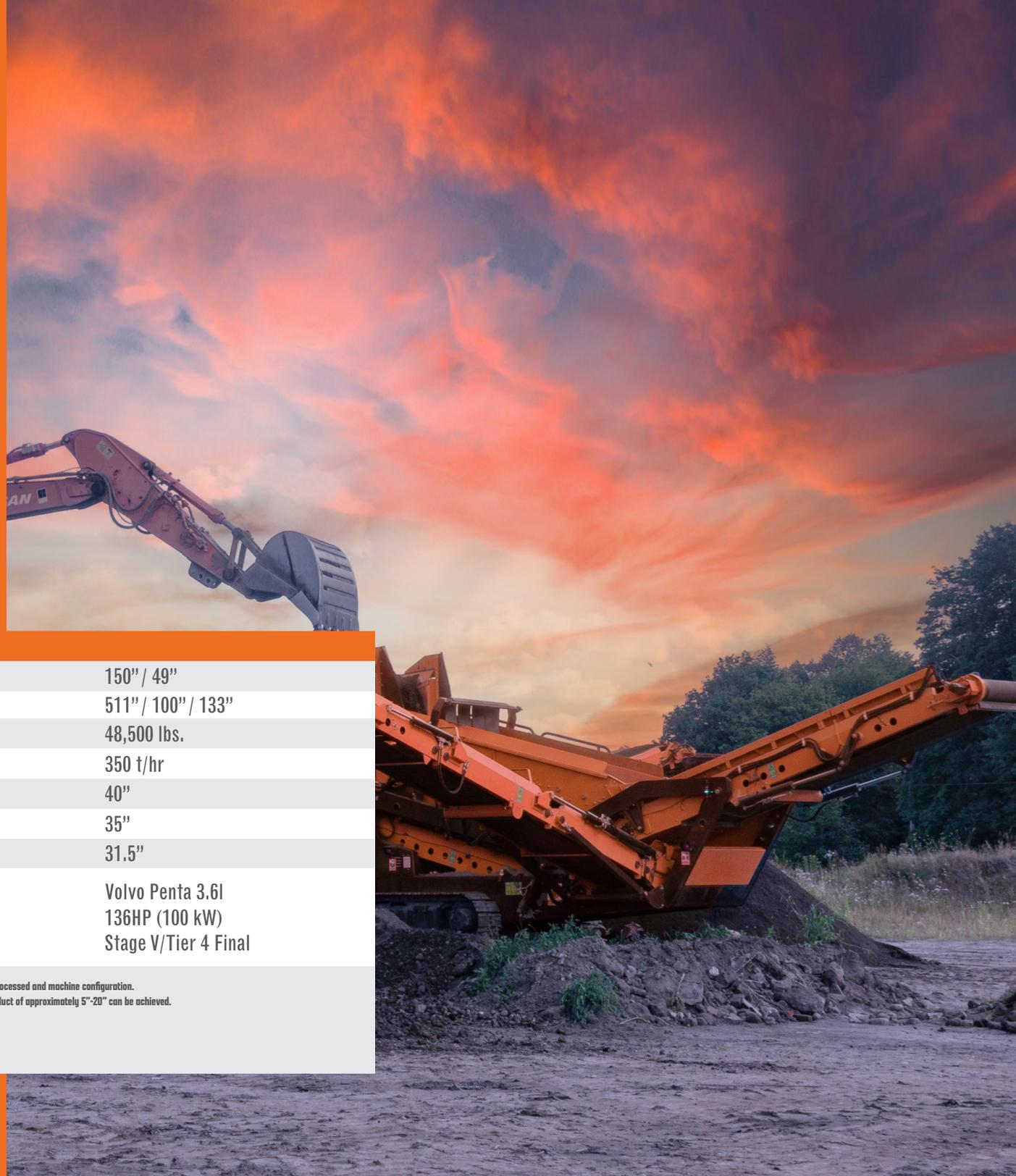
## TECHNICAL SPECIFICATIONS

Deck Sizes	150" / 49"
Travel Dimensions (length/width/height)	511" / 100" / 133"
Weight	48,500 lbs.
Performance in Tonnes /hr	350 t/hr
Oversized Conveyor	40"
Transfer Conveyor	35"
Mid-size Conveyor	31.5"
Engine	Volvo Penta 3.6l 136HP (100 kW) Stage V/Tier 4 Final

\*Throughput stats are approximate and great effected by the material being processed and machine configuration.

\*\*Due to the variety of the discs per shaft and the cutters per disc, an end product of approximately 5"-20" can be achieved.

\*\*\* t/h - Tons Per Hour      Cu Ft/h - Cubic Feet Per Hour



# MORE FRACTIONS WITH HEAVIER MATERIAL

## PRONAR MPP SCALPER SCREEN

This powerful machine, with two decks, precisely separates materials into three fraction sizes. Touchscreen-adjustable speed and easily adjustable screening-box inclination enable seamless fine-tuning for many material types. The 136 HP 3.6-liter engine efficiently handles heavy loads without high revolutions. The vibrating box lifting system and side tensioning decks ensure quick access and a brief setup.



### Special Features

- Autonomous tracked drive system
- Easy-to-access service areas
- Auto-start system equipped
- Class leading fuel efficiency
- Individually controlled belt drives
- Split rear wall foldable for direct feeding with a crusher with adjustable feed speed
- Hydraulically lifted screenbox
- Prepared for direct feeding with front loader
- Impact bars in hoppers and oversized conveyors
- Metal plate at the beginning of the box to prevent damaging screening media with big rocks
- Easy to tension top and bottom deck.
- Removable bottom deck or whole side conveyor for two-way split conversion
- Fixed catwalk on both sides for easy access

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# PRONAR MOBILE SCALPER SCREEN

MPP 1238s



## 3 Independent Belt Drives

- Individually control each belt drive
- 40" oversized conveyor
- 35" transfer conveyor
- 31.5" mid-size conveyor
- 350 tonnes/hr capacity



## Tough Screenbox

- Damage resistant plates
- Two adjustable decks
- Hydraulically adjustable
- Variable speed feed hopper



## Side Mounted Catwalks

- Can be mouted to both sides



## Tracked Drive System

- From trailer to screening in under 10 minutes
- Move anywhere on the job site with ease



## Engine

- Caterpillar 3.6l 136 HP Engine
- Low fuel consumption
- Easy access for maintenance
- Low RPM

# EXPERIENCE THE POWER OF PRONAR EQUIPMENT TODAY!



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by SHRED-TECH  
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# JML PRONAR



COMPLETE SHREDDING AND RECYCLING SYSTEMS  
[www.3rmachinery.com](http://www.3rmachinery.com) | [sales@3rmachinery.com](mailto:sales@3rmachinery.com) | t. 1.800.465.3214

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