# PROVEN TOUGH.
# SERIOUSLY RELIABLE.

Redback
Horizontal Grinder
Doppstadt

REDBACK-GRINDERS.COM

# NEW, BUT NOT NEW.

Redback Horizontal Grinders may be new to North America, but they've built a decades-long reputation as brilliantly tough, amazingly efficient machines, hardened by experience in one of the harshest environments on Earth: Australia.

With its diverse geography, Australia is home to tropical rainforests, arid deserts, dense forests, mountain ranges, and wetland areas - and the Redback grinder has tamed them all.

## A 30-YEAR HERITAGE OF HEAVY-DUTY GRINDERS.

The parent company of Redback, Van Gelder Pty. Ltd, was founded in 1914 as a manufacturer of hammer mills for mineral processing. Its brilliant engineer, David Stubbs, took over leadership of the company in 1987 and introduced a green waste grinder in 1991 that incorporated the company's heavy-duty ideology and experience provided by hard rock mineral processing.

Australian hardwoods are some of the toughest and hardest woods in the world, and Redback grinders are engineered to conquer whatever they encounter. Its grinders are incredibly efficient and resilient and can handle contamination and feedstock impurities with ease. Redback is built for longevity and machines manufactured 30 years ago are still running strong.

# BUILT FOR AMERICA.

In partnership with Redback, the Doppstadt® Group, with its 60+ years of experience manufacturing industrial grinders and shredders, has brought Redback Horizontal Grinders to the U.S. to meet the growing demand for durable, efficient, and operator-friendly recycling equipment.

## REDBACK GRINDERS OFFER THE BEST OF THREE CONTINENTS:

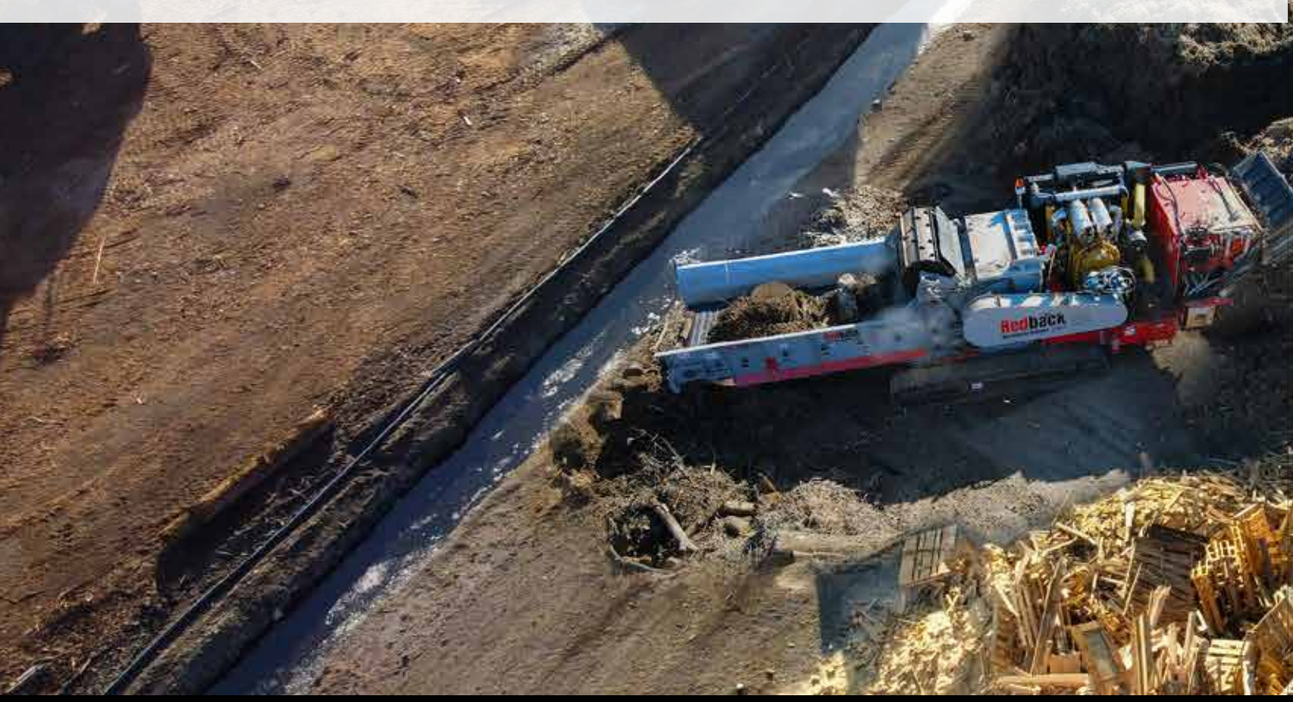
- **Australian survival,** by taming the hardest woods and conditions on Earth.
- **German engineering,** to provide power, efficiency, and remarkable throughput.
- **American independence,** because its simple design lets you maintain and repair in the field.

**Redback grinders are built for America. Tough, hardworking, and seriously productive.**

# IT'S A BIG COUNTRY. REDBACK MAKES IT SMALLER.

**Processing green or wood waste? Clearing land? Recycling construction and demolition material? Redback grinders have serious power to handle the hardest materials, best-in-class throughput to reduce volume quickly, and the efficiency you need to do it profitably – in any environment.**

**REDBACK GRINDERS ARE PROVEN TOUGH AND SERIOUSLY RELIABLE.**



# TOUGH MATERIALS? REDBACK IS TOUGHER.

There's no need to limit the materials you process; Redback horizontal grinders are built for the hard stuff and can handle even the most challenging feedstocks. Our finely tuned grinding chamber geometry lets you produce the highest quality product with superior consistency.

## UNLEASH NEW LEVELS OF PROFITABILITY AND PROCESSING:

- **Green Waste**
- **Wood Waste**
- **Land Clearing Waste**
- **Forestry Residue**
- **Construction & Demolition Debris**
- **Storm Debris Cleanup**
- **Municipal Solid Waste**

# REDBACK GRINDERS LET YOU CREATE VALUABLE AND IN-DEMAND END-PRODUCTS:

### MULCH

**Earth-friendly and attractive, created from green waste and waste wood diverted from landfills, and from C&D waste wood.**

### COMPOST

**Used by consumers and landscapers, compost is a high-value product created from recycled waste wood, green waste, and food waste.**

### BIOFUEL

**Waste wood can be ground and processed into biofuel or transformed into pellets for burn plants and other waste-to-energy (WTE) facilities.**

# AMPLIFY YOUR OUTPUT...

Redback grinders are offered in two versions to take on all your grinding needs:

- **DS800T with a 785 hp C18 CAT engine**
- **DS1125T with a 1125 hp C32 CAT engine**

Utilizing powerful Caterpillar® diesel engines, Redback grinders' finely tuned geometry between the anvil, rotor, screen, and hammer arrangement maximizes performance and allows you to produce the highest quality product with unbeatable consistency.

Redback's serious power creates a level of throughput that just can't be beat. In fact, you might need to upgrade your other machines just to keep up.

# ...AND YOUR PROFIT.

Redback horizontal grinders are bottom-line friendly. With advanced engineering that squeezes more power and efficiency from its CAT engines, you'll see lower fuel consumption, more product consistency and less regrinding, a higher usable product yield, and a lower overall cost per ton.

Most importantly, Redback grinders have less downtime which means more production. Our grinders feature an advanced cooling system developed in conjunction with Caterpillar to help prevent overheating so you can run harder and work longer.

All this means a significantly lower cost of ownership and an increase in your profitability.

**REDBACK GRINDERS ARE PROVEN TOUGH AND SERIOUSLY PROFITABLE.**

# WHAT GIVES REDBACK EXTRA BITE?

**Adjustable Contamination Detection System**
with customizable threshold instantly disconnects the drive system when contamination is encountered.

**Rotor features adjustable hammer positioning**
to suit multiple applications, and user-friendly design allows for easy onsite maintenance with minimal disassembly required.

**Widest feeding table and feeder floor in its class.**
Unique design is less expensive and more reliable than a chain feeder, providing maximum uptime.

**Wide discharge belts – 60" on DS800T and 72" on DS1125T**
enable a low bed depth so neodymium cross belt magnets are more effective removing ferrous materials.

**Components are easily accessed**,
and routine maintenance and service can be performed in the field – no need to call in a specialist from around the world.

# THE REDBACK SPIDER STORY

Where does our name come from? The Redback spider, also known as the 'Australian black widow,' is a venomous predator native to Australia.

It is small but powerful and is well known for taking down prey much larger than itself. The Redback's preferred environment is among wood chips and wood piles, so with its natural connection to wood, Redback was chosen as our name.

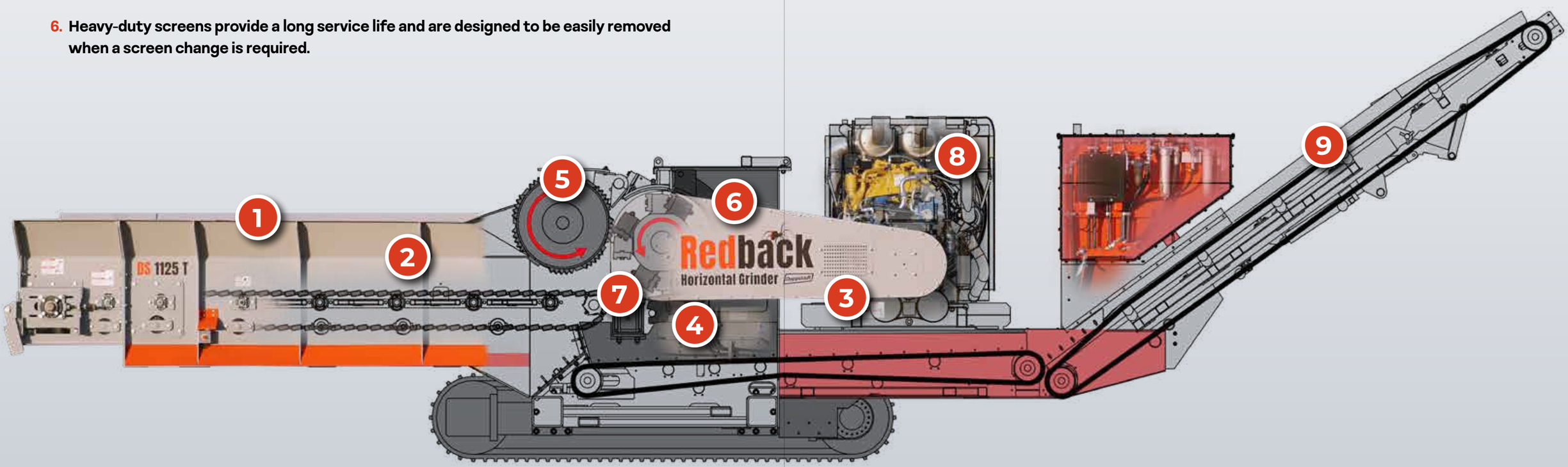
The Redback is fierce, adaptable, should never be underestimated, and thrives in a wide range of climates – just like our horizontal grinders.

**REDBACK IS THE GRINDER WITH BITE.**

# KEY FEATURES AT A GLANCE.

We pack 30+ years of manufacturing experience and continuous improvement into every Redback grinder, and that's what makes them the toughest, most powerful, efficient, productive, and operator-friendly heavy-duty grinders available in North America.

1. **Self-cleaning, heavy duty infeed conveyor provides a maintenance free long life.**
2. **Widest feeding table and feeder floor in its class to accept large feedstock input.**
3. **Proportional feed control system automatically adjusts the infeed rate to maximize throughput.**
4. **The infeed conveyor and feed wheel are driven directly by high-torque motors (not chain drive).**
5. **Feed wheel has a multi-tooth design with a large lift height, giving an infeed opening of 1000mm. It also features a manual crush down feature.**
6. **Heavy-duty screens provide a long service life and are designed to be easily removed when a screen change is required.**
7. **Heavy-duty rotor and anvil are built tough to handle the hardest materials and are highly resistant to damage by contaminants. Fully lined grinding chamber features heavy-duty key locked hammer tips which overlap the rotor discs to give full width grinding coverage.**
8. **American-made Caterpillar diesel engine matched to a Twin Disc® wet clutch for seamless control. The Redback DS800T is fitted with a CAT C18 engine and the DS1125T utilizes a CAT C32 engine.**
9. **24' 6" long, 60" or 72" wide discharge belt with max height of 14' 10".**



# COAST TO COAST SUPPORT

Redback provides nationwide support to keep your grinders productive and profitable and is backed by Ecoverse, North America's leading provider of environmental processing equipment and solutions. With its national dealer network, you can count on service and parts support to keep your grinder productive and profitable.

## SERVICE

Redback horizontal grinders are built tough to minimize downtime, but when something does break, we're here to help. Our network of regional Dealers throughout the U.S. and Canada have trained technicians to keep your machines operating at peak performance levels so you can get the job done.

## PARTS

All machines break down, caused by normal wear and tear, improper maintenance, environmental factors that can accelerate wear and tear, overuse or using it for unintended purposes, and simple human error. When you need a replacement part for your Redback grinder, our network of Dealers can get you what you need when you need it - from coast to coast and everywhere in between.

## WARRANTY

Ask your local Redback dealership about warranty options to provide peace of mind that your investment will continue to work as hard as you do.

# TECHNICAL DATA

| | DS800T | DS1125T |
|---|---|---|
| **DRIVE** | | |
| **Type** | CAT C18 diesel engine | CAT C32 diesel engine |
| **Power** | 785 hp / 597 kW | 1125 hp / 895 kW |
| **Torque** | 2736 lb-ft @ 1300 rpm | 4056 lb-ft at 1,200 rpm |
| **Emissions** | U.S. EPA Tier 4 Final | U.S. EPA Tier 4 Final |
| **Fuel Tank** | 390 g diesel | 520 g diesel |
| **CHASSIS** | | |
| **Type** | Steel tracks | Steel tracks |
| **Ground Clearance** | 11" / 275 mm | 11" / 275 mm |
| **Angle of Approach** | 12° | 12° |
| **FEED HOPPER** | | |
| **Volume** | 7.5 yrd3 | 9.5 yrd3 |
| **Width** | 5' 0" / 1520 mm | 6' 0" / 1890 mm |
| **Height** | 7' 6" / 2300 mm | 7' 6" / 2300 mm |
| **Length** | 13' 0" / 4000 mm | 16' 4"/ 5000mm |
| **MILL** | | |
| **Width** | 60" / 1520 mm | 75" / 1890 mm |
| **Diameter** | 40" / 1000 mm | 40" / 1000 mm |
| **Number of Hammers** | 26 | 30 |
| **Speed** | 870 – 970 rpm | 870 – 970 rpm |
| **Infeed Height** | 3' 0" / 900 mm | 3' 0" / 900 mm |
| **CONVEYORS** | | |
| **Length** | 24' 6" / 7468 mm | 24' 6" / 7468 mm |
| **Width** | 60" / 1520 mm | 72" / 1800 mm |
| **Discharge Height** | 14' 10" / 4524 mm | 14' 10" / 4524 mm |
| **TRANSPORT DIMENSIONS** | | |
| **Length** | 44' 1" / 13600 mm | 44' 1" / 13600 mm |
| **Width** | 10' 6" / 3200 mm | 11' 6" / 3500 mm |
| **Height** | 11' 2" / 3400 mm | 11' 2" / 3400 mm |
| **Weight** | 83,776 lbs / 38000 kg | 95,918 lbs / 43500 kg |
| **OPERATIONAL DIMENSIONS** | | |
| **Length** | 51' 2" / 15600 mm | 51' 2" / 15600 mm |
| **Width** | 10' 6" / 3200 mm | 11' 6" / 3500 mm |
| **Height** | 14' 9" / 4500 mm | 14' 9" / 4500 mm |

# REDBACK GRINDERS ARE BUILT FOR AMERICA.

## TOUGH, HARDWORKING, AND SERIOUSLY PRODUCTIVE.

- Brilliantly simple design, amazingly tough
- Powerful 785 or 1125 hp CAT engines
- Chews up and spits out contamination that would stop other grinders dead
- A rowdy spirit that easily handles the toughest materials and environments
- Engineered for maximum uptime
- Unrivalled accessibility for easy maintenance and service
- Nationwide service and parts support

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*All product specifications are subject to change without notice and machine details may vary from those pictured. Equipment shown with options available at additional cost.*