



Diamond Z®

FULL LINE PRODUCT CATALOG



**GRINDING
SIMPLIFIED™**

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GRINDING SIMPLIFIED™

As a pioneer in the wood grinding industry, Diamond Z has a global reputation for manufacturing the highest quality, most durable and most productive mobile and portable grinders available.

Simple to operate and easy to service, Diamond Z Grinders focus on reliability and profitability. We offer a broad range of tub, horizontal and solid waste grinders to suit any application. From composting to construction and demolition, land clearing to tire disposal, municipal solid waste to asphalt shingle grinding, *nothing outgrinds a Diamond Z.*

It all starts in our Caldwell, Idaho USA factory, where our skilled teams of fabricators and welder-assemblers manufacture the biggest, baddest grinders in the world from the ground up. It's tough and demanding work that takes great attention to detail. Diamond Z Grinders are designed and built to function in extreme conditions and produce exceptional results. To do so, there are no shortcuts. Throughout each step of manufacturing, every component is installed and evaluated to ensure the finished machine functions at its highest level — the Diamond Z Standard.

All Diamond Z Grinders come standard with the following:

- Down-cut efficient mill design
- Fluid coupling mill drive
- No friction disc clutches
- Reversing fan
- Z Logic™ SMARTWatch™ telematics package on ALL models
- The industry's most tolerant contamination management system
- Super-screw belt lacing
- Radio remote control
- Tool box
- Engine cover

But Diamond Z's commitment to total customer satisfaction doesn't stop when the machine leaves our Idaho home. Our Dealer Network is committed to making sure your grinder is the best design for your application. Our Product Support specialists go on-site to ensure every Diamond Z Grinder performs as designed, and are always available for follow-up as needed. Our Parts Dept. is at the ready to get wear parts and anything else you may need to you as quickly as possible.

Once in the field, Diamond Z Grinders build upon our long-standing tradition of quality, durability and productivity. Our machines are the grinders of choice for disaster clean-up pros, because they know they need machines that they depend on. We hear it time and time again from satisfied customers — *nothing outgrinds a Diamond Z.*

NOTE: TKT = Track unit with ability to accept a transporter;
Additional options not included in base price
All weights estimated, depending on options selected



HORIZONTAL GRINDERS DZH7000



The high-capacity, low maintenance DZH7000 Series is essential for any large-scale wood waste and land-clearing grinding operation. Equipped with an internal drive feed roller which allows easy maintenance access and has fewer moving parts, all while ensuring minimal spillage and the highest surface torque in the industry.

With up to 1,200 horsepower and production capacity in excess of 1,000 yards per hour, No other horizontal grinder can match the DZH7000's power, unparalleled production capability, versatility in difficult environments, innovation and attention to detail. It is the grinder of choice for storm clean-up.

The DZH7000 Series track-mounted horizontal grinder has all the features and capabilities of the wheeled DZH7000 with the added mobility that comes with a track-mounted machine, allowing operation just about anywhere.

The DZH7000TKTS comes with complete transport system that easily and safely secures to the grinder, making it ready for transport and avoiding expensive permitting fees.

Model	DZH7000	DZH7000TKT / DZH7000TKTS
Tons Per Hour / Yards Per Hour	145 TPH / 1,000 YPH	145 TPH / 1,000 YPH
Avg Transport Net Weight	138,000 lbs.	184,000 lbs. 140,000 lbs. w/o transporter
Caterpillar® Engine Type	C27, C32 Tier 4 Final	C27, C32 Tier 4 Final
Available Horsepower	1,050-1,200	1,050-1,200
Mill Screen Surface Area	5,760 sq. in.	5,760 sq. in.
Grinder Transport L x W x H	46'-9" x 12'-0" x 13'-10"	91'-9" x 12'-2" x 14'-2"



DZH6000



Attention to detail that lasts. The high-capacity, low-maintenance DZH6000 Series is ideal for virtually for any grinding application. It has been Diamond Z's best-selling horizontal grinder over the last two decades.

With a quick screen change of 20 minutes or less, power options up to 1,200 HP and industry-leading production capabilities, the DZH6000 is clearly the simple choice for difficult jobs.

The DZH6000TKT Series track-mounted horizontal grinder has all the features and capabilities of the DZH6000 with the added accessibility that comes with a track-mounted machine, allowing operation just about anywhere. The DZH6000TKT comes with complete transport pin or axle system that easily and safely secures to the grinder so it is ready to be transported, avoiding expensive permitting fees.

Model	DZH6000	DZH6000TKT
Tons Per Hour / Yards Per Hour	110 TPH / 510 YPH	110 TPH / 510 YPH
Avg Transport Net Weight	93,000 lbs.	116,000 lbs. 103,000 lbs. w/o transporter
Caterpillar® Engine Type	C27, C32 Tier 4 Final	C27, C32 Tier 4 Final
Available Horsepower	1,050-1,200	1,050-1,200
Mill Screen Surface Area	4,320 sq. in.	4,320 sq. in.
Grinder Transport L x W x H	44'-2" x 12'-0" x 13'-11"	52'-2" x 12'-1" x 13'-8"



DZH5500



The newest addition to the Diamond Z Grinder line, the DZH5500 is the perfect combination of size, power and performance. Field tested from coast to coast with a broad cross-section of material and in a variety of conditions, the DZH5500 can take on just about any challenge.

Offering CAT C-27 Tier IV Final power, 3,800 square inches of screen area and an operational weight of 112,000 pounds, the DZH5500TKT does the work of bigger machines, yet is still easily transportable.

Like the DZH7000TKT and DZH6000TKT, the DZH5500TKT comes with complete pin or axle transport system that easily and safely secures to the grinder, making it ready to be transported and avoiding expensive permitting fees.

Model	DZH5500TKT
Tons Per Hour / Yards Per Hour	107 TPH / 524 YPH
Avg Transport Net Weight	112,000 lbs.
Caterpillar® Engine Type	C27 Tier 4 Final
Available Horsepower	1,050
Mill Screen Surface Area	3,800 sq. in.
Grinder Transport L x W x H	53'-2" x 11'-5" x 12'-9"



HORIZONTAL GRINDERS

DZH4000



Simply stated, the DZH4000 will outgrind any competitor's comparably-sized machines. The C18 Caterpillar engine, combined with our aggressive down-cut mill, delivers production rates up to 95 tons per hour. Meanwhile, the smaller overall dimensions makes it easily transportable. Friendly operation, ease of maintenance and attention to detail are found throughout ... hallmark traits for all Diamond Z Grinders.

The DZH4000TK Series track-mounted horizontal grinder allows operation just about anywhere a portable grinder cannot go. With up to 755 horsepower and an innovative, operator-friendly design, the 4000TK is the simple horizontal-tracked choice for any difficult job.

The DZH4000TKT Series track-mounted horizontal grinder has all the features and mobility of the DZH4000TK and also includes a custom transport system with jeep, providing an economical and efficient way to transport the machine.

Model	DZH4000	DZH4000TK	DZH4000TKT
Tons Per Hour / Yards Per Hour	95 TPH / 435 YPH	95 TPH / 435 YPH	95 TPH / 435 YPH
Avg Transport Net Weight	78,000 lbs.	86,000 lbs	100,000 lbs. 90,000 lbs. w/o transporter
Caterpillar® Engine Type	C18 Tier 4 Final	C18 Tier 4 Final	C18 Tier 4 Final
Available Horsepower	755	755	755
Mill Screen Surface Area	3,800 sq. in.	3,800 sq. in.	3,800 sq. in.
Grinder Transport L x W x H	42'-1" x 10'-1" x 13'-9"	41'-5" x 10'-7" x 12'-1"	47'-9" x 11'-5" x 13'-8"



DZH3000



Continuing Diamond Z's tradition of innovation and overall performance excellence, the DZH3000 is a top performer in its market niche.

This smaller, lighter, more cost-efficient model is infused with all of Diamond Z's proven production qualities — reliability, durability and low maintenance.

CAT diesel powered at 580 horsepower in a 63,000 lb. package, the portable DZH3000 is an ideal choice for an aggressive grinder in an easily transportable design.

Also CAT-powered at 580 HP, the tracked DZH3000TK weighs 75,000 lbs. and is just 8'-2" wide, allowing it to be transported with no special requirements.

Model	DZH3000	DZH3000TK
Tons Per Hour / Yards Per Hour	65 TPH / 320 YPH	65 TPH / 320 YPH
Avg Transport Net Weight	63,000 lbs.	75,000 lbs
Caterpillar® Engine Type	C15 Tier 4 Final	C15 Tier 4 Final
Available Horsepower	580	580
Mill Screen Surface Area	3,146 sq. in.	3,146 sq. in.
Grinder Transport L x W x H	37'-1" x 10'-5" x 13'-3"	39'-11" x 8'-2" x 11'-11"



TUB GRINDERS

DZT8000



The DZT8000's short, compact and durable design maximizes mobility and stability. Its heavy-built frame and aggressive 60" hammermill allow for increased production capacities of up to 105 tons per hour, while improved deflector and containment shields greatly minimize any possibility for throwing debris.

The DZT8000TKT track-mounted tub grinder allows you to operate just about anywhere that a portable unit cannot. The DZT8000TKT combines Diamond Z's user-friendly engineering with innovative features that improve on-site mobility, increase throughput and enhance overall performance.

Like all Diamond Z Grinders, the DZT8000 Series offers extreme attention to safety, along with being easy to use and maintain.

Model	DZT8000	DZT8000TKT
Tons Per Hour / Yards Per Hour	105 TPH / 495 YPH	105 TPH / 495 YPH
Avg Transport Net Weight	77,000 lbs.	99,000 lbs. 89,000 lbs. w/o transporter
Caterpillar® Engine Type	C27 Tier 4 Final	C27 Tier 4 Final
Available Horsepower	1,050	1,050
Mill Screen Surface Area	4,800 sq. in.	4,800 sq. in.
Grinder Transport L x W x H	40'-1" x 11'-11" x 13'-7"	45'-7" x 11'-11" x 13'-7"



DZT1463B



The 1463B is the standard by which all tub grinders are measured. No other grinder can match its power, production or versatility. It grinds wood waste, green waste and even tires at unparalleled rates.

Since the first DZT1463B was produced in 1988, it has perennially out-performed the competition, and boasts the highest resale value in the tub grinding industry.

Available with a range of 1,600-2,000 horsepower and featuring 120 lb. hammers, the Diamond Z 1463BT is truly in a class of its own. No other tub grinder in the world can duplicate this massive machine's ability to reduce scrap tires, including over-the-road designs up to 10 feet in diameter, stumps and wood waste, green waste, C&D and railroad ties at unparalleled rates.

Model	DZT1463B	DZT1463BT
Tons Per Hour / Yards Per Hour	135 TPH / 600 YPH	135 TPH / 495 YPH
Avg Transport Net Weight	100,000 lbs.	100,000 lbs.
Caterpillar® Engine Type	C27, C32 Tier 4 Final	C27, C32 Tier 4 Final
Available Horsepower	1,050, 1,200	1,050, 2,000
Mill Screen Surface Area	6,795 sq. in.	6,795 sq. in.
Grinder Transport L x W x H	48'-2" x 11'-11" x 13'-11"	48'-2" x 11'-11" x 13'-11"



TUB GRINDERS

DZT1248



With a 12'-0" diameter tub and 48" hammermill, the DZT1248B may seem like a mid-sized tub grinder. However, unlike other grinders in its class, the DZT1248B easily processes stumps, logs, C&D materials, green waste and much more at high production rates.

With output of up to 55 tons per hour, this grinder can, and does, consistently out-produce larger grinders, offering the best value in both price and productivity.

The DZ1248BTK Series track-mounted tub grinder allows you to operate just about anywhere a portable grinder cannot. With up to 755 horsepower, production capacities up to 55 tons per hour and an innovative, operator-friendly design, the 1248BTK is the simple tub-tracked choice for high-powered grinding.

Model	DZT1248B	DZT1248BTK
Tons Per Hour / Yards Per Hour	55 TPH / 260 YPH	55 TPH / 260 YPH
Avg Transport Net Weight	53,000 lbs.	68,000 lbs.
Caterpillar® Engine Type	C18 Tier 4 Final	C18 Tier 4 Final
Available Horsepower	755	755
Mill Screen Surface Area	3,013 sq. in.	3,013 sq. in.
Grinder Transport L x W x H	34'-9" x 11'-11" x 13'-3"	42'-6" x 11'-11" x 14'-0"



TROMMEL

DZT621

NEW!



The DZT621 Trommel matches up perfectly with a Diamond Z Grinder for processing and stacking newly-processed material.

Features a 6'-0" x 21'-0" trommel barrel and a 180° radial fines stacker. Powered by a CAT® C4.4 110 HP diesel engine.

Features include:

- Wireless remote control
- Centralized lubrication — one grease point for the full machine
- Rapid Change™ cable/hinge screen lock system
- Z Logic™ SmartWatch™ telematics package
- Four-wheel trommel drum drive
- 16" track width

Model	DZT621
Caterpillar® Engine Type	C4.4 Tier 4 Final
Available Horsepower	110 HP
Trommel Screen	6'-0" x 21'-0" with Choice of Screens
Screen Area	3,400 sq. in.
Avg Transport Net Weight	54,000 lbs.
Transport Dimensions L x W x H	50'-5" x 8'-6" x 11'-5"
Operating Dimensions L x W x H	58'-1" x 23'-1" x 11'-5"
Mill Screen Surface Area	9.4 Cubic Yards
Radial Stacker Belt Width	42"



TRACKED STACKER DZC8048

NEW!



Take your material processing to new heights with the DZC8048 Tracked Stacking Conveyor. A full 80'-0" in length with a 48" wide belt and variable height adjustment up to 30'-0", this stacker works perfectly with a Diamond Z Grinder to keep production humming!

Standard features include radio remote control, a 10" smooth head pulley, 15" lagged drive pulley, counterweighted design for optimal stockpiling capability, hydraulic raise and lower, hydraulic top fold for easy transport and a heavy-duty 16" tracked undercarriage. It has an 80-gallon fuel tank and 85-gallon hydraulic tank.

Simple and designed for quick set-up, the DZC8048 is a perfect addition to any grinding operation.

Model	DZC8048
Engine Type	Kubota Tier 4 Diesel
Available Horsepower	74 HP
Production Length	80'-0"
Belt Width	48"
Avg Transport Net Weight	32,000 lbs.
Transport Dimensions L x W x H	62'-0" x 10'-0" x 11'-10"
Operating Dimensions L x W x H	80'-0" x 10'-0" x 30'-0" (max height)



DIAMOND Z INNOVATION Z LOGIC™ SYSTEM



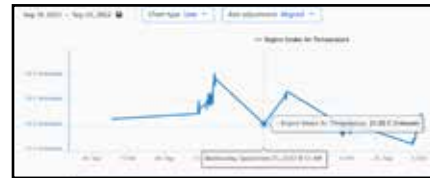
Diamond Z's state-of-the-art electronic control system puts the operator in total control. The self-diagnostic screen alerts the operator to an overload, amperage draw, shorts and multiple other electrical malfunctions.

Z LOGIC CONTAMINANT DETECTION



The Z Logic Contaminate Detection system detects high-frequency impact resonance within the grinding chamber and stops the in-feed when an unacceptable impact level is reached. It provides a flashing warning screen while stopping and reversing the feed.

Z LOGIC SMART*Watch* Telematics



New and now available, all Diamond Z machines will be equipped with the Z Logic SmartWatch™ telematics package. SmartWatch™ allows remote monitoring for key information, like GPS, alarms, diagnostics, service reminders, warranty information and more.

TUB CONTAINMENT SYSTEM



Allows safe operation of a Diamond Z tub grinder in an environment where horizontal and other designs are not permitted. With its combination of deflector shield and containment shield, the Diamond Z Containment System controls up to 99.9% of all ejected material/thrown debris. A standard feature in all Diamond Z tub grinders.

DZ TRANSPORTER SYSTEM



The Diamond Z Transporter System provides an economical and efficient way to move machines between jobsites without a multi-axle tractor trailer. The result is a huge savings in transportation and permit costs.



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