

COMPACT DOZER LOADER

TIER 4 FINAL MINOTAUR DL550



DESIGN ADVANTAGES

INDUSTRY-CHANGING DESIGN



- MINOTAUR DL550 is the industry's first Compact
 Dozer Loader
- MINOTAUR DL550 is a revolutionary design integrating the ability of a dozer into the compact track loader frame
- The integrated c-frame dozer blade design gives operators rugged dozing ability
- Loader arms give operators the most versatility for loading, grading and material handling
- Electro-hydraulic dozer controls and dozer-style control grips give traditional dozer operators an operating experience they're familiar with, by allowing them to be more efficient and productive
 - Electro-hydraulic controls switch from dozer controls to ISO for loader operation
- DZR Power Mode (dozer only) lets operators match engine output to a specific dozing task
 - **Standard Power** for optimized performance and fuel efficiency
 - Max Power maximum engine power in aggressive dozing conditions
- Bluetooth radio for hands-free communication
- Three track options
 - 14 in. steel single 1.5 in. grousers for the most tractive effort
 - 18 in. steel triple 7/8 in. grousers for better flotation with increased tractive effort
 - 17.7 in. HD rubber track for more flotation and easier operation on concrete and asphalt
- Configurable pedal allows operators to choose function
 - Accelerator traditional acceleration
 - **Trans** operators reduce drive speed but retain set rpm for loader arm functions
 - Decelerate pedal decelerates the engine rpms

POWERFUL HYDRAULICS

- Uses a Closed Center Load Sensing hydraulics (CCLS) system
 - On-demand hydraulics create less heat and increase fuel efficiency
- Standard enhanced-high-flow (EHF) hydraulics is for customers who run the most demanding attachments like mulching heads and cold planers
 - 41.6 GPM @ 4,100 psi EHF
 - 41.6 GPM @ 3,450 psi high flow
 - 24.4 GPM @ 3,450 psi standard flow
- Hydraulics on Demand implement flow control allows for fine-tuning hydraulic flow to the demands of the attachment within the 8 in. LCD display



SELECTABLE CONTROLS

- Choose between Dozer and ISO controls
- ISO controls can be adjusted between low, medium, and high
- Custom settings can be set to adjust speeds and lift and bucket sensitivity (adjustable electro-hydraulic controls)
- Dozer settings are adjustable for settings pertinent to the dozer operation
 - Shuttle Setting
 - Steer Setting
 - Blade Lift Speed
 - Blade Sensitivity
 - Blade Tilt Speed
 - Blade Angle Speed
- In dozer control mode, 16 selectable speeds on the left joystick give traditional dozer operators the feel they are familiar with
- In ISO control mode, use the rabbit and turtle button on the left handle for two-speed operation, and to adjust creep speed when activated

RAISING THE GRADE

- SiteControl gives operators the ability to get to grade faster, reducing fuel use, machine hours, machine wear, and lets customers bid more jobs and bid them more accurately
- Standard universal blade control harness lets customers choose the precision solution they know, and meets the needs of their business, whether it is Leica, Trimble, or Topcon
- Customers can easily hold a slope or grade without the need for lasers, masts or GPS with CoPilot. This solution offers a cost-effective entry into machine control technology
- 2D systems allow a machine and its attachments to work in two different dimensions—plane and slope. These systems can be both indicate-only or automatic, and are ideal for any type of grading or work where basic plane construction is required
- 3D solutions let customers place the machine precisely within a three-dimensional site plan and provide the highest degree of accuracy

BLADE AND RIPPER



- 6-way Power Angle Tilt (PAT) blade gives the operator the ultimate grade adjustability and an extremely well-suited blade for 2D/3D machine control
 - Raise/Lower increase/decrease depth of cut
 - Tilt Right/Tilt Left add/remove cross slope and ditching capabilities
- Rake Left/Rake Right move material, windrow spoil
- Blade pitch turnbuckle
 - Adjust the pitch 52 to 60 degrees for cutting (blade pitched forward) or better carrying performance (blade pitched backwards)
- 5-position, 3-shank ripper (optional) allows for breaking up hard pack for easier grading
 - 2 additional shanks can be added for a 5-shank ripper

PREPARING FOR A WALKAROUND

- Run the machine to ensure it is operating correctly and is free of any defects
- Familiarize yourself with the controls so you can properly direct the customer on how to operate the machine and explain the machine functions to the customer
- Practice connecting the c-frame and dozer blade so you can understand how these functions are performed
- When in dozer operating mode, set electro-hyraulic controls to the moderate setting so the controls can be adjusted up or down as needed
- Prepare and set up any machine control functions that will be demonstrated prior to starting (setting lasers, receivers and other components necessary for the demo to the correct settings)
- Set the controls for the type of operation that will be done (Dozer or ISO) and familiarize yourself with how to switch controls

NEW BUCKET AND ATTACHMENTS FOR EVEN MORE PRODUCTIVITY

- Large, extra heavy duty (XHD) 1.25 cu. yd. capacity buckets allow for more productivity
 - XHD with SmartFit[™] teeth give operators the best breakout force and payload
 - XHD with bolt-on cutting edge allows for great capacity and the best grading
- 72-inch mulching head provides customers a wider, high-pressure solution for improved mulching efficiency



