

DOPPSTADT INVENTHOR 9 SHREDDER



Doppstadt

A new standard of quality in high-torque shredding: the INVENTHOR 9. This next-generation shredder carries on Doppstadt's time-tested single shaft shredding product line. Equipped with a revolutionary drivetrain concept, redesigned hopper and unprecedented access to the machine interior for service and maintenance, the INVENTHOR is a world leader in engineering and performance.

FEATURES:

- Choice of multiple shredding packages depending on application
- State-of-the art drive train concept for powerful and efficient operation
- Total access to the machine components for ease of maintenance and service
- Unprecedented throughput

German engineering, heavy-duty construction and top quality components provide the reliability and efficiency needed for a relentless day-to-day operation and a long service life.

The INVENTHOR 9 by Doppstadt is a powerful, robust machine for primary volume reduction in waste wood, municipal solid waste, industrial waste, green waste, construction & demolition waste and more.

VARIODIRECT DRIVE: New, patented, VarioDirect drive allows for continuous, variable power transmission directly to the shredding shaft.

HYDRAULIC ASSIST:

VarioDirect drive senses when tough material is being shredded and automatically increases torque via hydraulic pump to power through the material.

VARIODIRECT DRIVE BENEFITS:

- Eliminates motor load when shaft is inactive and provides breakaway torque even when at a standstill
- Allows machine to be started under load
- Can reverse during operation. Remove wrap-arounds without stopping the machine.
- Automatically stops when machine is malfunctioning or overloaded
- Pre-programmed, material-dependent operating modes for simplicity



WITH THE EARTH IN MIND

DOPPSTADT INVENTHOR 9

CHASSIS: Tracklaying, ideal for rough terrain

DRIVE: Diesel Engine

TYPE: MTU 6R1300

POWER: 525 hp

FUEL TANK: 251 gallons

EMISSIONS: Certified EPA Tier 4 Final

HOPPER LOADING HEIGHT: 11'-2"

SHREDDING SHAFT

- **Length:** 9' - 10"
- **Diameter:** 24" or 32" (based on package)
- **Speed:** 0-32 RPM forward, 0-5 RPM reversing
- **Teeth:**
 - L Package: 21 teeth, 174 mm each (standard)
 - XL Package: 14 teeth, 250 mm each
 - M Package : 125 teeth, 100 mm each
 - S Package: 145 teeth, 60 mm each

CONVEYORS:

LONGITUDINAL UNDERS CONVEYOR:

- **Length:** 16'
- **Width:** 3'-4"
- **Speed:** 4.3 - 9.5 ft/second

REAR STOCKPILING CONVEYOR:

- **Length:** 23' (28' as option, 40' rigid conveyor as option, transported separately)
- **Width:** 48"
- **Speed:** 0 - 6.6 ft/second

STANDARD INCLUSIONS: Armored comb teeth, multichannel remote control, additional hydraulic connection (40 l/min or 70 l/min), Doppstadt Telematic Monitoring System

TRANSPORT DIMENSIONS:

- **Length:** 32'-3"
- **Width:** 9'-10"
- **Height:** 12'-8"
- **Weight:** 77,162 lbs

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REDESIGNED MATERIAL FEED: Steep hopper walls create a wide-opening to the shaft, allowing for aggressive pulling-in of material and preventing bridging and clogging.

WIDE SHREDDING AREA: Increased space between the shredding shaft and longitudinal unders conveyor further reduces clogging, contaminant risk, and increases overall accessibility.

COMB ACCESS: The comb flap opens up to 120°, allowing ample access to the entire shredding compartment. This enables quick replacement of wear parts, wide access to clean the machine and easy removal of contaminants to reduce downtime and increase safety.

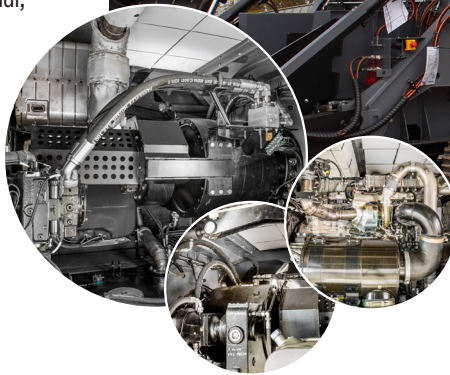
SHREDDING COMB: The redesigned comb frame is attached to the machine frame, to best absorb forces. The comb spacing is hydraulically adjustable, allowing for continuous and instantaneous adjustment of the comb-shaft distance via control panel without stopping the machine. Unshreddables discharged with no damage to comb.

DOPPHITCH CONVEYOR SYSTEM: Continuously adjust the angle of the rear stockpiling conveyor during operation. The distance between the belts during the adjustment is equal, allowing for minimal flow loss.

PLUG AND PLAY: Shred within minutes. Track it, fold out the conveyor and press a button to get shredding.

MTU 6R1300 DIESEL ENGINE

- High fuel efficiency with direct drive to shredding shaft
- Unmatched maintenance-friendliness of engine compartment
- Intelligent planetary gearbox.
- Pumps mounted directly onto the planetary gearbox
- Torque transmission by helical gear unit
- No fluid clutch due to VarioDirect Drive



- **New Cooler Design:** Hydraulically driven with temperature-dependent regulation of fan speed
- **New Transfer Gearbox:** Direct engine connection results in a very effective power transmission to the hydraulic pumps



CONTROL PANEL SYSTEM

- All engine temperatures oil & water
- Date, engine hours, daily operation hours, service intervals
- Unprecedented control over all machine functions
- Run material-dependent operating program

REMOTE CONTROL

- Enables operation by one person
- Includes: sender, receiver, holder for sender, loading cable, 12/24V, 230V and 2 batteries

DOPPSTADT TELEMATIC MONITORING SYSTEM

- Remote diagnostic feature
- Unit is able to send, receive and store information via telecommunication and GPS technology integrated with on-board computer
- Allows for remote panel access and diagnostic by factory trained technician