



**Export and Investment Company, Inc.**  
13915 Hastings Farm Road, Huntersville, North Carolina, 28078 USA

## Equipment Specification

In Service Date:	February 4, 2005
Excavator:	Komatsu PC228 USLC
Excavator SN:	On Request

### Shinn Systems S-1425 HT Cutter System

#### Cutter Head

Model	SC-250
Width	36"
Cutter Drum Diameter	18"
Number of Teeth	32
Cutter RPM	1780
Drive	Gates Poly Chain GT-2 Belt Drive
Upper Belt Cover	1/4" Thick
Lower Bearing Covers	3/4" AR-400
Shield Construction	3/4" AR-400
Main Shaft Diameter	3 15/16"
Front Pushbar	4 X 4 X 3/8" Tubing
Tree Capacity	Unlimited
Patented Mulch Deflection System	
Debris Control System	

#### Auxiliary Hydraulic Drive Package Specifications

Engine	CAT C-10 Diesel Powered Rated at <b>425 HP</b> at 2100 RPM "C" Rating Air to Air Aftercooled EPA and CARB tier 2 certified Electronic Governing/Programmable
Hydraulics	Denison Gold Cup Hydraulics Output to Main Circuit 130 GPM / 5000 PSI Torque Limiter
On Board Air System	14 CFM Compressor with controls Dual 5 Gallon air reservoirs Air pressure gauge Full controls Safety relief valve
Hydraulic Cooler	AKG Heavy Duty Cooler
Filtration	Dual High Flow Return Filters w/Electronic Bypass Ind. 10 Micron Charge Filter with Electronic Bypass Indicator
Engine Mounts	Heavy Duty Rubber Isolator Mounts

	4 X 4 X 3/8" Mount Base Construction
Hydraulic Reservoir	60 Gallon Capacity Electronic low level indication Sight gauge with Temperature Bulb Baffled Inlet and Suction 8" Access Opening with O-Ring Seal Inlet and Supply Shut Off Valves
Fuel	Fully independent-125 Gallon Capacity Electronic Low level indicator Baffled Tank with Access Panel and Drains
Engine Cabinet	2 X 2, 2 X 4, 4 X 4 Frame Construction 1/2" Plate Side Doors 1/4" X 1 Steel Grating Radiator and Cooler Guards
Intake System	Dual Element Air Cleaner with Indicator
Exhaust System	Heavy Duty Muffler with Rain Cap

**Excavator Modifications**

Chip Protection Package	Perforated metal screens will be attached to all openings in the excavator engine hood and air intake. Metal guard will be added around exhaust opening in hood to prevent debris intrusion.
Catwalk/Door Protection	3 X 3 X 1/4" Tubing Catwalk with Diamond Tread Plate Upper Cover will be added on both sides of machine, full length. 8 X 8 X 1/2" back bumper (extends beyond auxiliary power pack. Prevents damage to excavator side doors and auxiliary power pack radiators and cooler
Operator Fall On Protection	Constructed of 4 X 4 X 3/8" Tubing, the FOPS canopy features hinged front 1/8 X 1" steel grating and removable top. The FOPS canopy is tied directly to the excavator sub frame.
Front Window Modification	The front glass of the excavator will be removed and replaced with 1/4" Lexan™ window material. It is then covered with 3 plys of NASCAR™ type window tear-offs for maximum surface protection. Scratch resistant and cleanable.
Hose Package	Gates 5000 PSI-6 wire hose is mounted using short runs and welded bulkhead to facilitate easy hose changes. Hose is protected with Nylon covering from front to back.
Air Bleed Manifold	The air bleed manifold is located at the highest point on the cutter hydraulic system and provides excellent protection against air damage during restarts after hose changes. Operation is fully automatic.

### **Instrumentation/Controls**

Full instrumentation provides complete troubleshooting/monitoring capability. Parameters monitored include...

- Inlet Suction
- Charge Pressure
- System Pressure
- Return Pressure
- Hydraulic Temperature
- Charge Filter Bypass Light
- Return Filter Bypass Light
- Hydraulic Over-temperature Light
- Low Oil Quantity Light
- Low Fuel Quantity Light

All instrumentation lines are routed through Nylon protective sleeve. All electrical connections use Deutsch™ sealed plugs and sockets. Sealed electrical switchbox and relay will be installed in cab for easy access.

Engine instrumentation (oil pressure, water temperature, engine RPM) is also provided. Electronic engine control. Pump controls are provided through heavy duty Cablecraft™ linkages. The instrumentation package is mounted at eye level in the forward corner of the operator's cab for easy monitoring. Electrical relays and switching are protected by a sealed enclosure.

### **Accessories Included in Price**

- Air bleed manifold system
- Hydraulic Filtration/Transfer Cart
- Full Machine Fall On Protection
- Tool Box (which includes)
  - (1) 50' air hose reel
  - (1) Air operated grease gun
  - 1/2" air ratchet
  - (3) Extra Hoses, cleaned and plugged
- Mud flap on top of machine (to protect machine center section from debris)
- Pump controls mounted on floor of excavator
- Move hydraulic reservoir up flush with fuel tank. Put in 90 degree fittings to facilitate the installation of the grease pail
- Grease reel and air reel to be mounted on RH side of machine in tool space if poss.
- Install guards on front of stick to protect metal elbows of stick cylinder piping
- Install perforated metal on top of grating on upper side of machine (other machine had perforated metal welded UNDER existing grates)
- Gaps are to be kept at a minimum on top of machine between covers
- Sawtooth" gusset on aft of cutter head to grip trees
- 1 X 1" strips on front of pushbar
- Chip protection on front of lift cylinders
- Shelves to be installed on LH side of machine in storage area (between power pack excavator doors)

**Note**

The above specifications reflect the configuration/condition of the machine at the time of delivery to the original customer. Specifications/configuration and condition of the machine may have changed since the time of delivery, either by the customer or by others.

**Warranty Information**

This machine is being sold as is where is. No warranty is extended or implied.

**Delivery**

Machine is ready for delivery at this time.

**Taxes/Transportation**

Price does not include applicable taxes or transportation cost.