VERMEER TECHNOLOGY EQUIPS SURFACE MINES TO DO MORE

The Vermeer T1255III SEM delivers enhanced production and efficiency. It has a fully hydrostatic motor mounted to the side of the cutting head, which provides direct drive power and delivers more horsepower to the cutting drum — resulting in enhanced efficiency when working in soft, medium or hard rock conditions. The single-sided direct drive drum on the T1255III allows the quarry operator to cut an 80-degree high wall to provide slope stability that is desired in high-wall mining applications.

Optional dust suppression system features an enclosed cutting head with two large vacuums that pull dust into baghouses and drop it beneath the machine — reducing the dust entering the air.

SmartTEC control software displays the status of critical elements of machine performance — alerting the operator for recommended control adjustment.

Optional GPS technology can be used to create a mine-by-line plan that can be uploaded to the GPS system — then the machine will automatically cut to the plan.

VERMEER T1255III
TERRAIN LEVELER
SURFACE EXCAVATION MACHINE (SEM) WITH SINGLE-SIDED DIRECT DRIVE DRUM
ALLOWS THE OPERATOR TO CUT AN 80-DEGREE HIGH WALL AND PRODUCES LESS NOISE, DUST AND VIBRATION — HELPING MINES TO INCREASE PRODUCTION BY EXCAVATING RESERVES THEY COULDN’T OTHERWISE GET TO DUE TO DRILL AND BLAST RESTRICTIONS, AIR QUALITY REGULATIONS OR URBAN ENCROACHMENT.

SPECIFICATIONS:

ENGINE OPTION ONE
Make/Model: Caterpillar C18 ACERT
Gross horsepower: 600 hp (448 kW)
Engine rpm: 2100
Fuel consumption @ full load: 31.8 gph (120.4 L/hr)
EPA certification family: Tier 3

ENGINE OPTION TWO
Make/Model: Caterpillar C18 ACERT
Gross horsepower: 600 hp (448 kW)
Engine rpm: 2100
Fuel consumption @ full load: 30.5 gph (115.5 L/hr)
EPA certification family: Tier 4 Final (Stage IV)

TERRAIN LEVELER SINGLE-SIDED DIRECT DRIVE ATTACHMENT
Weight: Tractor plus attachment: 265,000 lb (120,202 kg)
Max cutting depth: 20” (50.8 cm)
Cutting width: 144” (365.8 cm)
Drum tilt available: Yes, +/- 5 degrees
Max drum speed rpm: 24.7 rpm
Laser/GPS acceptable: Yes
Digging chain size: None
Drive type: Hydrostatic