



# 3000SM SURFACE MINER

- Mechanical cutter drive for maximum efficiency
- Four-track steer -- Four-track leveling
- Precise excavation to final grade with laser or GPS controls!



# 3000SM<sup>TM</sup>

## Surface Miner

- **Cuts 10 ft. wide and up to 26 inches deep in a single pass!**
- **Easy operation**
- **Rugged construction**

The 3000SM Surface Miner brings together Trencor's 50 years of experience trenching in rock throughout the world to a new, yet very similar, application. Trencor has learned from many contractor customers that durability, weight and efficient power delivery are the keys to long-term success in breaking rock. The 3000SM Surface Miner brings that Trencor tradition to the mass rock excavation industry. Whether you are doing road excavation, site excavation or mining, the 3000SM provides the durability, production capability and flexibility to make you successful. The Trencor 3000SM Surface Miner...because every job counts!



# TRENCOR 3000SM SPECIFICATIONS

## KEY FEATURES

- Rigid unibody six-inch thick steel frame construction for strength, weight and durability.
- Four (4) crawlers with independent suspension, front- and rear independent steering.
- Three (3) different steering modes--standard front steer, coordinated four-track steer and crab steering.
- Cutter drum rotates in an up-cutting direction.
- Cutter drum is driven through an hydraulic clutch to transmission belts and a planetary gearbox mounted in the drum.
- Four-track independent suspension can be coordinated with a GPS system to automatically control grade and slope.
- 1000 gallon (3785 L) capacity water-spraying system for dust control is standard equipment.
- Climate-controlled operator's cab offers easy access and clear view of cutting path.
- Operator's control console and seat swivel for better visibility. All controls and instrumentation are within view and easy reach of the operator.
- Emergency shutdown switches provide operator and jobsite safety.

## ENGINE

<b>Manufacturer:</b>	Caterpillar®
<b>Model:</b>	3512B turbo-charged, after-cooled diesel
<b>Output:</b>	1650 hp (1230kW) @ 1800 rpm
<b>Cooling:</b>	Mesabi Radiator with Hydraulic fan drive Rated for 125° F (52° C) ambient temperature

## FUEL CAPACITY

800 gallon (3030 L) capacity. Twin fuel filters and cab mounted fuel gauge. Approx. 80 gallons (303 L) per hour fuel consumption at maximum load.

## CUTTING DRUM

<b>Maximum Cutting Width:</b>	10 ft. ( 3048 mm)
<b>Maximum Cutting Depth:</b>	26 in. (660 mm)
<b>Number of Teeth on Drum:</b>	Varies, depending on application
<b>Drum Diameter ( with teeth):</b>	64 in. (1626 mm)

## DRUM DRIVE SYSTEM

<b>Type:</b>	Integrated hydraulic clutch and final drive gearbox
<b>Manufacturer:</b>	Desch®
<b>Power Transmission:</b>	Mechanical belt drive
<b>Belts:</b>	36 Kevlar 5V belts



## HYDRAULIC SYSTEM

<b>Pump Drive:</b>	Funk
<b>Track Drive:</b>	Hydrostatic Track pumps Rated @ 6000 psi
<b>Controls:</b>	Auxilliary pump rated at 2500 psi
<b>Reservoir:</b>	200 gallons (757 L) capacity.

## CRAWLER TRACKS

<b>Size:</b>	Cat® 245 size with Cat® 245 rollers
<b>Drive System:</b>	Closed-loop hydraulic drive with planetary final drive gearboxes
<b>Cutting Radius:</b>	30 ft. cutting radius in coordinated four-track steering mode
<b>Dimensions, Front &amp; Rear:</b>	Length: 10'- 0" (3048 mm) Width: 1'-6" (457 mm) Height: 4'- 5" (1035 mm)

## SPEED/GRADEABILITY

<b>Operating Speed:</b>	0-116 ft/min (0-35 m/min)
<b>Travel Speed:</b>	0-2.5 mph (0-4 km/h)
<b>Gradeability:</b>	20%
<b>Maximum Cross Slope:</b>	15%

## OPTIONS

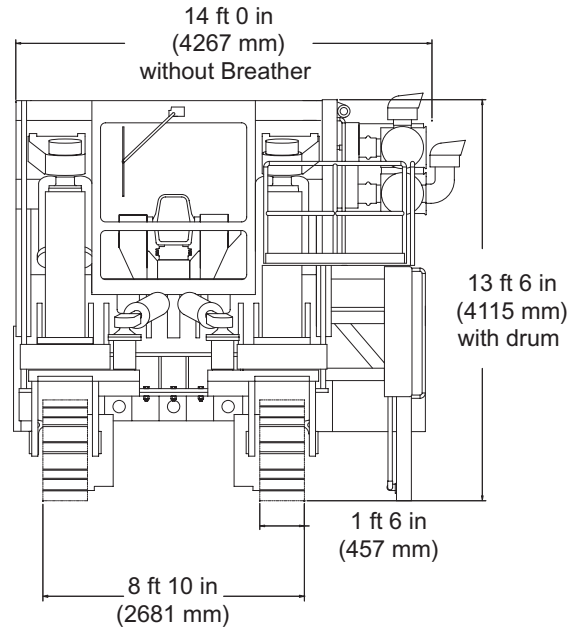
- Rear-loading conveyor system ( front-steer models only)
- Fully automatic grade control via GPS system
- Fully automatic depth control via laser guidance system
- Elevating operator's cabin
- Cold-weather start package
- Central lubrication system
- Complete lighting system for night operation.

# Trencor 3000SM Specifications

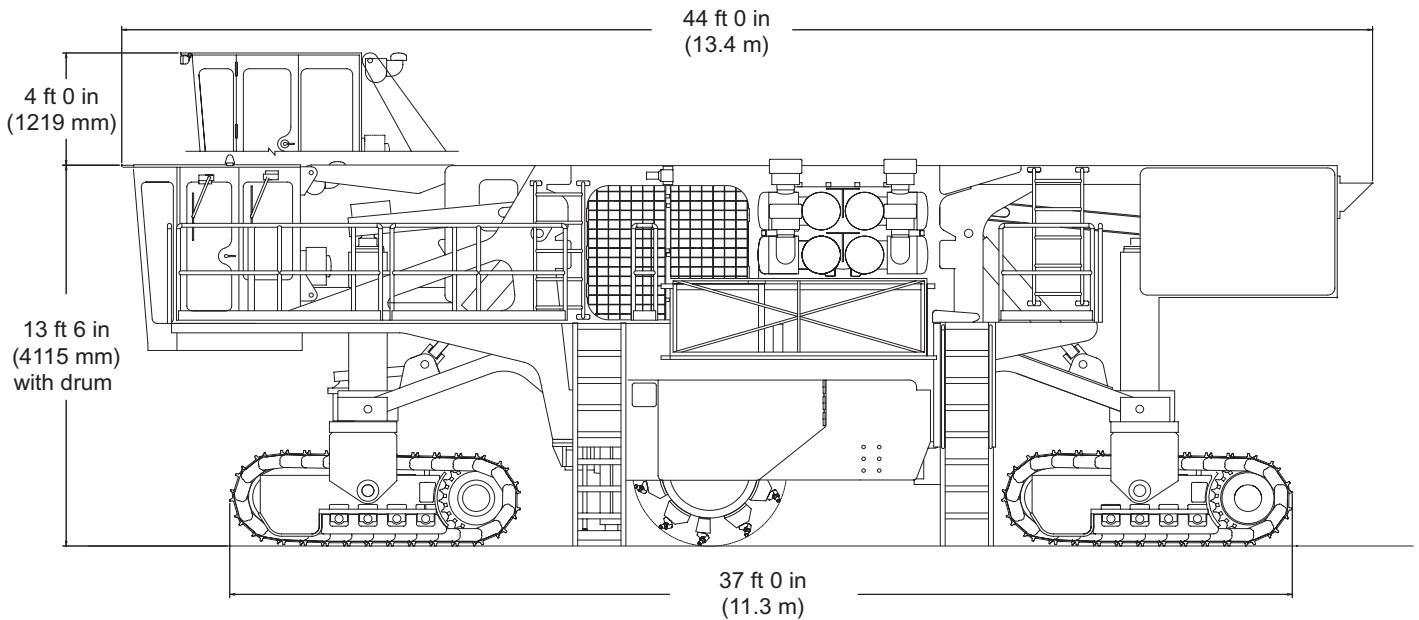
## WEIGHTS & DIMENSIONS

OVERALL LENGTH: 37'-0" (11.3 m)  
 OVERALL WIDTH: 14'-0" (4.3 m)  
 without breather

SHIPPING WEIGHT (DRY): 290,000 LB (132,500 kg)  
 SHIPPING WEIGHT (WET): 305,000 LB (138,300 kg)



FRONT VIEW



LEFT SIDE VIEW

( Shown with optional elevating operator's cabin)



Due to our continuing product improvement, specifications are subject to change without notice  
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