

Tunnel Digging Machines (TDM 1250 Series)

TECHNICORE

OVERVIEW

- **TECHNICORE TDM 1250 SERIES** machines continuously excavate and muck, clean and support development ends, drill, break, perform roadheader and shotcrete operations in any profile tunnel or mine having cross sections from 7.8 to 26 feet (2.4m to 8m). TDMs are ideal for ground conditions from difficult or changeable soil to hard rock, NATM-style tunnels, narrow veins to selectively mine ore and waste rock, final clean-up, inclines, declines or on the flat.



ACCESSORIES

- ROCK BUCKET
- IMPACT BUCKET
with built in hammer
- HYDRAULIC DRILL JUMBO
drill feed up to 24' (7.3m)
- HYDRAULIC HAMMER
up to impact class 2,000 ft. lbs
- ROADHEADER
- SHOTCRETE ATTACHMENT
- DIESEL ENGINE
140 HP (104 kw)
- MAN-LIFT BASKET
- BOOM EXTENSION
- CONVEYOR EXTENSION
- RADIO REMOTE CONTROL
- HARD-WIRE REMOTE CONTROL
- EXPLOSION PROOF MOTORS
- EXPLOSION PROOF PACKAGE

THE CONVEYOR transfers soils and rock from the front of the machine through the center conveyor at rates of over 262 cu. ft. (200 cu. m) per hour. The rear conveyor hydraulically elevates or lowers to load directly into a haulage system. The boom is a telescopic, 360-degree continuous rotation robotic arm that swings from side to side, elevates and lowers to facilitate positioning the various tools to the face, walls and roof of the excavation. The quick attachment mechanisms allow the bucket to be replaced as needed with a drill boom, impact hammer, roadheader, or man lift platform within ten minutes. TDMs are track mounted, available with rubber tire or a rail mounted system. The undercarriage drops 6-inches (15cm) below the propulsion tracks to allow the apron to stay flush with the base of the excavation and for excellent bulldozing capabilities. TDMs are powered electrically, by diesel engine or both.

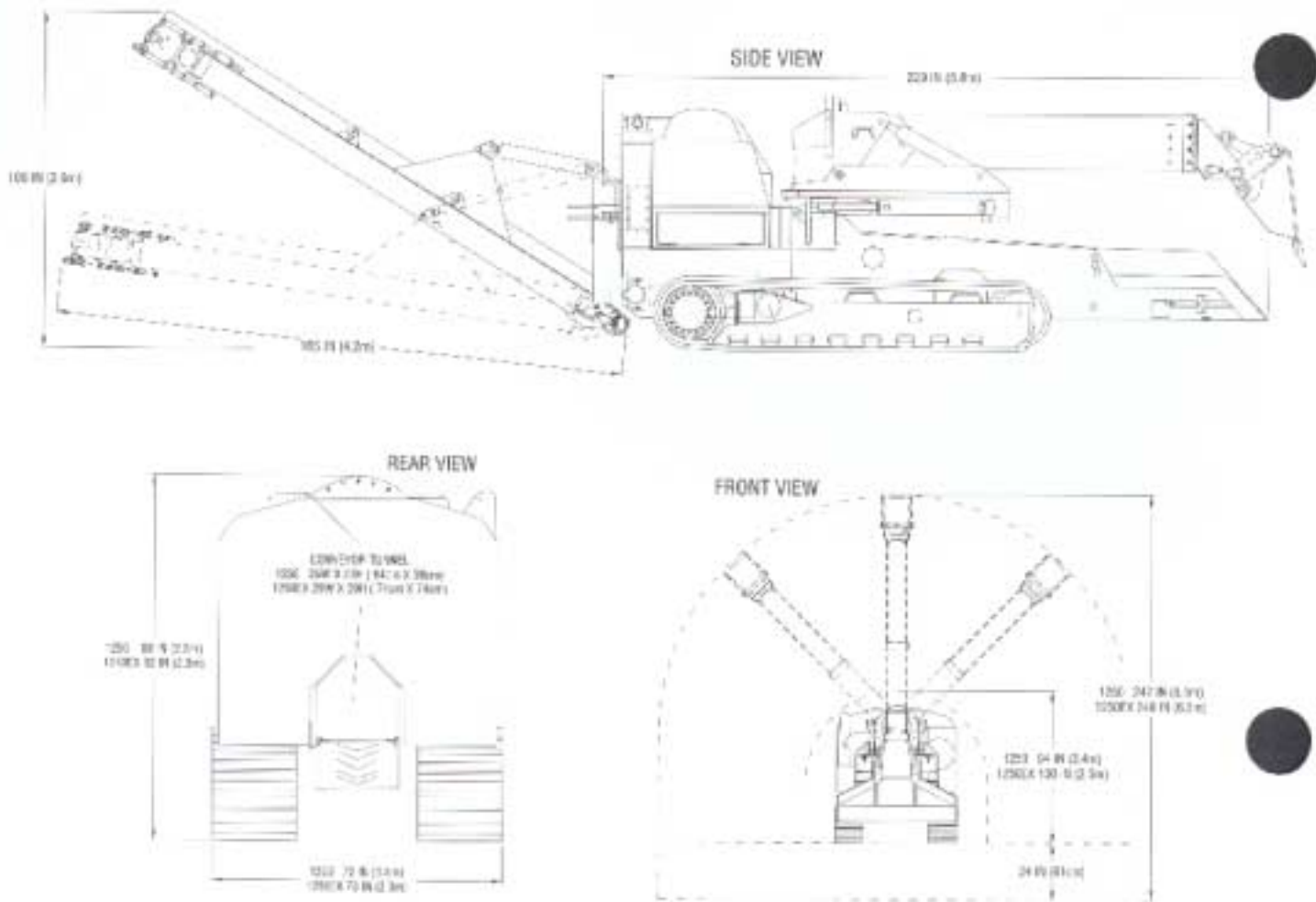


THE SOLUTION for single end development mining or confined space tunnel excavation is the Technicore TDM, where the unique design and compactness allows it to replace the customary 2 or 3 conventional machines most often used. These single versatile machines can drill the face and roof boltholes, clean the soils or broken rock and bar the face. When fitted with an impact bucket cleaning the round, barring and excavating the lifters is a single operation.



102 Bales Drive, P.O. Box 93089
Newmarket, Ontario L3Y 8K3 CANADA
Tel: (905) 898-4839 Fax: (905) 898-2822
technicoretunnel@mssc.com

Digging Machine (TDM 1250 Series)



SPECIFICATIONS	TDM 1250		TDM 1250EX	
Weight	32000 lbs	14515 kg	34000 lbs	15422 kg
Width	72 in	1.8 m	78 in	2 m
Height	88 in	2.2 m	92 in	2.3 m
Main Body Length	229 in	5.8 m	229 in	5.8 m
Rear Conveyor Length	165 in	4.2 m	165 in	4.2 m
Conveyor Width	24 in	61 cm	24 in	61 cm
Centre Conveyor Tunnel Opening	25 x 23 in	64 x 58 cm	29 x 29 in	74 x 74 cm
Boom Extension	76 in	1.9 m	76 in	1.9 m
Standard Maximum Reach	242 in	6.1 m	248 in	6.3 m
Optional Maximum Reach	302 in	7.7 m	308 in	7.8 m
Digging Depth Below Tracks	24 in	61 cm	24 in	61 cm
Electric Motor	125 hp	93 kw	125 hp	93 kw
Amps/Volts	125/600-140/460		125/600-140/460	
Maximum Speed Electric	1.75 mph	2.8 kph	1.75 mph	2.8 kph
Optional Diesel Motor	140 hp	104 kw	140 hp	104 kw
Maximum Speed Diesel	2.85 mph	4.6 kph	2.85 mph	4.6 kph