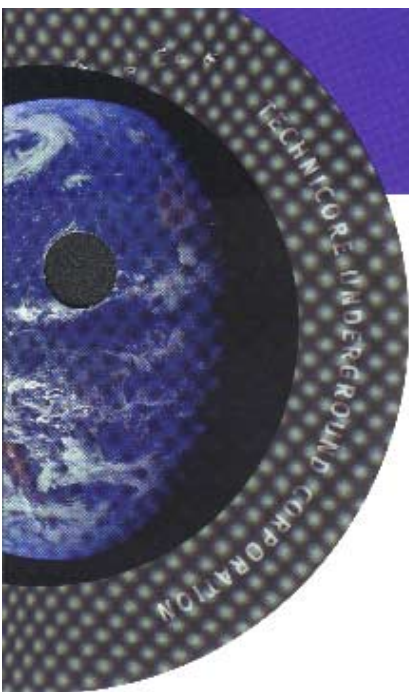


Tunnel Digging Machines (TDM 750 Series)

TECHNICORE



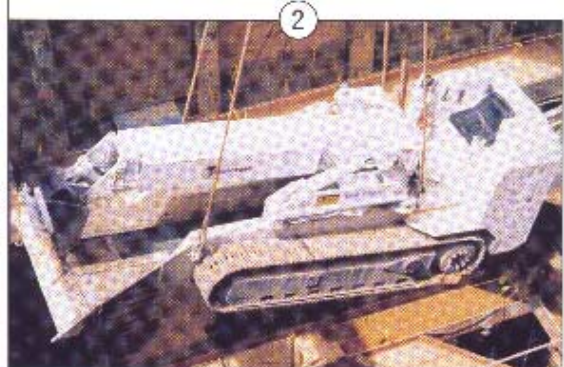
OVERVIEW

Technicore TDM 750 series machines continuously excavate and muck in confined space mines and tunnels from 6 feet (1.8m) to 22 feet (6.7m) of any profile where they perform excavation, mucking, drilling, breaking, roadheader and shotcrete operations.

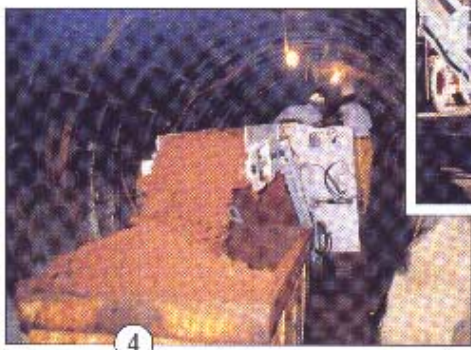
The unique design and compactness allows the TDMs to replace the customary 2 or 3 conventional machines most often used which create slow production rates with awkward maneuvering. The TDMs are ideal for hard rock, difficult or changeable soil conditions, NATM-style tunnels, narrow vein drifts where they drill and muck on a selective basis, perform final cleanup in hard-to-reach areas, operate on inclines or declines and inside a shield.

The spoils are gathered into an expandable front apron where the center conveyor transfers material from the front of the machine to the rear conveyor for continuous spoil removal. The boom has a continuous 360-degree rotation and the telescopic robotic arm is equipped with Technicore's quick attachment mechanisms, which allow the accessory attachments of rock bucket, hammer, drill boom, road-header and boom extension to replace the bucket as needed. The 80-degree side to side swing and reach insures that all areas of the face are accessible

for excavation. The rear conveyor elevates or lowers to load the material directly into a haulage system. The under carriage drops 6-inches below the tracks to allow the apron to drop below or stay flush with the base of the excavation and for excellent bulldozing capabilities. The TDMs are track mounted and available with rubber tire or rail mounted systems and powered by either electric or diesel motors or both.



1. TDM with hammer, Richmond, Fairfax County RT 7, Virginia
2. TDM with bucket and steel set erector, Tren Urbano Rapid Transit, Puerto Rico



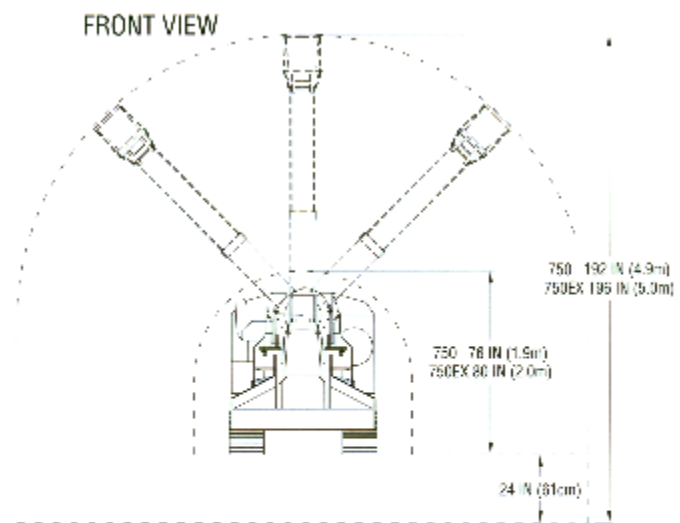
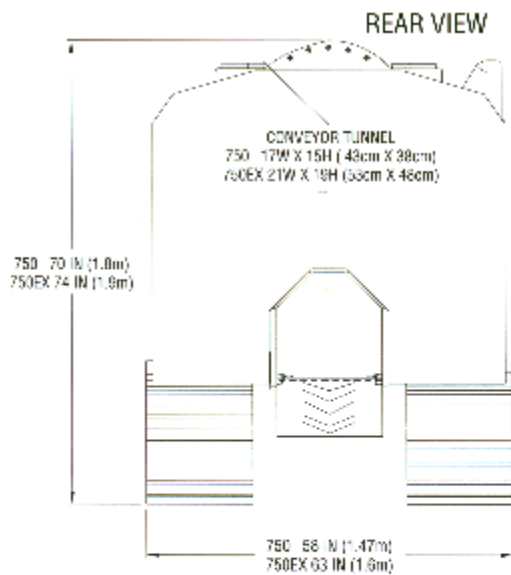
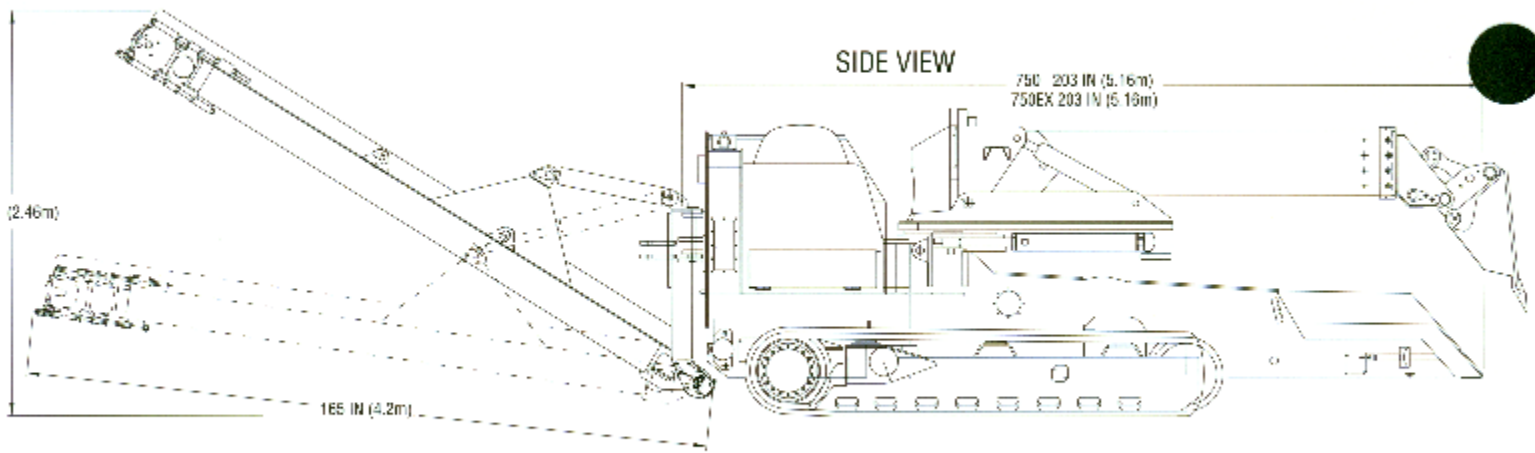
3. TDM with drill boom and both electric and diesel motors, Dragon Mount Mine, China
4. Discharge of spoils from rear conveyor

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 1,200 ft. lbs
- ROADHEADER
- SHOTCRETE ATTACHMENT
- DIESEL ENGINE 100 HP (75 kw)
- MAN-LIFT BASKET
- BOOM EXTENSION
- CONVEYOR EXTENSION
- RADIO REMOTE CONTROL
- HARD-WIRE REMOTE CONTROL
- EXPLOSION PROOF MOTORS
- EXPLOSION PROOF PACKAGE



Digging Machine (TDM 750 Series)



SPECIFICATIONS	TDM 750		TDM 750EX	
Weight	22000 lbs	9976 kg	24000 lbs	10886 kg
Width	58 in	1.47 m	63 in	1.6 m
Height	70 in	1.8 m	74 in	1.9 m
Main Body Length	203 in	5.16 m	203 in	5.16 m
Rear Conveyor Length	165 in	4.2 m	165 in	4.2 m
Conveyor Width	16 in	40.6 cm	20 in	50.8 cm
Centre Conveyor Tunnel Opening	17 x 15 in	43 x 38 cm	21 x 19 in	53 x 48 cm
Boom Extension	62 in	1.57 m	62 in	1.57 m
Standard Maximum Reach	192 in	4.9 m	196 in	5.0 m
Optional Maximum Reach	252 in	6.4 m	256 in	6.5 m
Digging Depth Below Tracks	24 in	61 cm	24 in	61 cm
Electric Motor	75 hp	56 kw	75 hp	56 kw
Amps/Volts	85/600-100/460		85/600-100/460	
Maximum Speed Electric	1.75 mph	2.8 kph	1.75 mph	2.8 kph
Optional Diesel Motor	100 hp	75 kw	100 hp	75 kw
Maximum Speed Diesel	2.85 mph	4.6 kph	2.85 mph	4.6 kph