

M 1400 WASHPLANT



FEATURES

- Fully mobile washing plant
- On board hydraulically folding side conveyors
- Capable of producing up to 4 end products
- Quick set up time
- Ideally suited to applications including coal, crushed stone, recycled materials, iron ore, sand and gravel
- Can work independently or as part of an entire wash plant

WORKS FOR YOU.™

FEATURES AND BENEFITS

- High capacity (depending on mesh sizes and material type)
- Quick set up time typically under 15 minutes
- Maximum mobility with heavy duty, low ground pressure crawler tracks (track)
- Approved gld braking axles, spring suspension, mudguards and 235/65/r17.5 Dual road wheels (wheel)
- Removable heavy duty pendant remote control system (track)
- Optional radio control system available if required at extra cost (track)
- High performance hydraulic system
- Angle adjustable tipping grid with radio control double acting tipping grid rams
- Low profile single or double deck vibrating grid option with remote control tipping. Angle adjustable and fully riveted construction

APPLICATIONS

- Sand and gravel
- Topsoil
- Coal
- Crushed stone
- Recycling
- Iron ore

SPECIFICATIONS

M 1400 WASHPLANT

MODEL OPTION	TRACK	WHEEL
TRANSPORT WIDTH	2.75m (9')	2.75m (9')
TRANSPORT LENGTH	14.1m (46' 3")	15.4m (50' 6")
TRANSPORT HEIGHT	3.2m (10' 6")	3.9m (13' 1")
WORKING WIDTH	16.2m (53' 2")	16.2m (53' 2")
WORKING LENGTH	13.8m (45' 5")	14.7m (46' 6")
WORKING HEIGHT	4.73m (15' 8")	5.06m (16' 7")
SCREEN UNIT	4 - bearing 3.3m x 1.5m (11' x 5')	
POWER UNIT	Diesel Hydraulic 75kW(100hp)@2200rpm	
TOTAL WEIGHT (VIBRATING GRID OPTION)	28,660kg (63,052lbs)	25,220kg (55,484lbs)

HOPPER & GRID

Adjustable angle tipping grid with integral loading and wing plates

GRID OPENING	4.18m x 1.8m (13'-9" x 5'-11") 14ft
GRID APERTURE	102mm (4")
TARGET AREA	4.9 x 1.8m (16'-1" x 5'-11") 14ft
HOPPER CAPACITY	8.75m ³ (11.44cu.yds) W 14ft Hopper 8.15m ³ (10.65cu.yds) T 14ft Hopper



SCREEN UNIT

3.3 x 1.5m (11' x 5') double deck, 4 bearing, free floating vibration system which eliminates the need for fine tuning



MAIN CONVEYOR

1050mm (42") 3 ply belt

Hydraulic drive with steel skirting

Omv 630 drive motor

Working angle 18° - 26°, hydraulically adjustable



SIDE CONVEYORS

650mm (26") (EP 315/3 ply belt) wide hydraulically folding side conveyors with individual, variable speed control

4.45m (14' - 7") stockpile height (Measured to drum centre) (Track)

4.68m (15' - 4") stockpile height (Measured to drum centre) (Wheel)



POWER UNIT & HYDRAULICS

STANDARD DIESEL ENGINE	developing 74.9kW (100.5hp) at 2200rpm
OPTIONAL DIESEL ENGINE (1)	developing 83kW (111.3hp) at 2200rpm
OPTIONAL DIESEL ENGINE (2)	developing 125kW (168hp) at 2200rpm
FLYWHEEL PUMP1	Cast iron tandem pump 32cc/rev (1.95ci/rev) each circuit <i>(Pump1 not used on shredder machine)</i>
PTO PUMP2	Cast iron tandem pump 23cc/rev (1.40ci/rev) each circuit
FLYWHEEL PUMP3	Cast iron triple pump 46cc (2.80ci/rev) / 33 cc (2.01ci/rev) / 33cc (2.01ci/rev) per rev <i>(Shredder only)</i>
FEEDER MOTOR	Cast iron motor 160cc/rev (9.76ci/rev)
SHREDDER MOTOR	Cast iron motor 102cc/rev (6.22ci/rev)
MAIN CONVEYOR MOTOR	Cast iron motor 630cc/rev (38.44ci/rev)
TAIL CONVEYOR MOTOR	Cast iron motor 500cc/rev (30.51ci/rev)
SIDE CONVEYOR MOTOR	Cast iron motor 400cc/rev (24.4 ci/rev)
SCREEN MOTOR	Cast iron motorcc/rev (3.60ci/rev)



TANK CAPACITIES

HYDRAULIC TANK	564L (124gal)
DIESEL TANK	336L (74gal)

ROAD TRANSPORT

WHEELS	235 / 75 / R17.5 Dual
AXLE	Approved braking axle (GLD manufacture)
SUSPENSION	Mono leaf spring suspension
BRAKES	Air brakes, (ABS optional)
MUDGUARDS	Plastic type
LATERAL PROTECTION	Optional extra
LIGHTS	Optional extra



CRAWLER TRACK DATA

TRACTIVE EFFORT	14,276 daN
GRADABILITY PERCENTAGE	77 -75 %
GEARBOX RATIO	1:122
HYDRAULIC MOTOR	63cc/rev
APPROXIMATE SPEED	0.8 km/hr (0.54mph)



RINSER OPTION CATCH BOX

Hydraulically hinged, giving access to the bottom deck for mesh changes

50-50 Fixed division plate. Adjustable division plates for 1/3-2/3 option

10" Outlets

Single or double grade catch box with option rubber lining

Optional adjustable division plates to blend sands



WASH BOX

Adjustable 5 nozzle spray bar

Feed conveyor belt scraper

Steel wear plate



SCREEN BOX

10 steel spray bars split into 5 bars per deck

Top decks with plastic nozzles

Bottoms deck with brass nozzles



VIBRATING GRID OPTION

SCREEN SIZE	3.05m x 2.14m (10' x 7'). For Double deck
BOTTOM DECK SCREEN SIZE	2 off 1.9 x 1.5m (6'3" x 4'11")
WORKING ANGLE	10° degrees to 20° degrees adjustable
TIP ANGLE	45° degrees maximum
MOTOR	59cc/rev
CIRCUIT	Coupled to main conveyor circuit
TRANSPORT HEIGHT	3.4m (11' - 1.75") (Track)
TRANSPORT HEIGHT	4.0m (13' - 1") (Wheel)
TOTAL WEIGHT	28,660kg (63,052lbs) (Track)
TOTAL WEIGHT	25,220kg (55,484lbs) (Wheel)

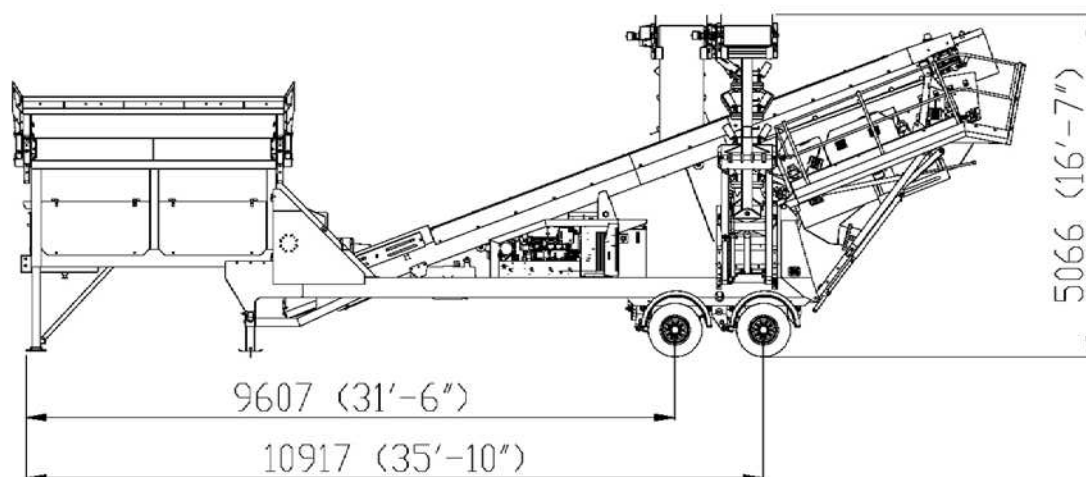
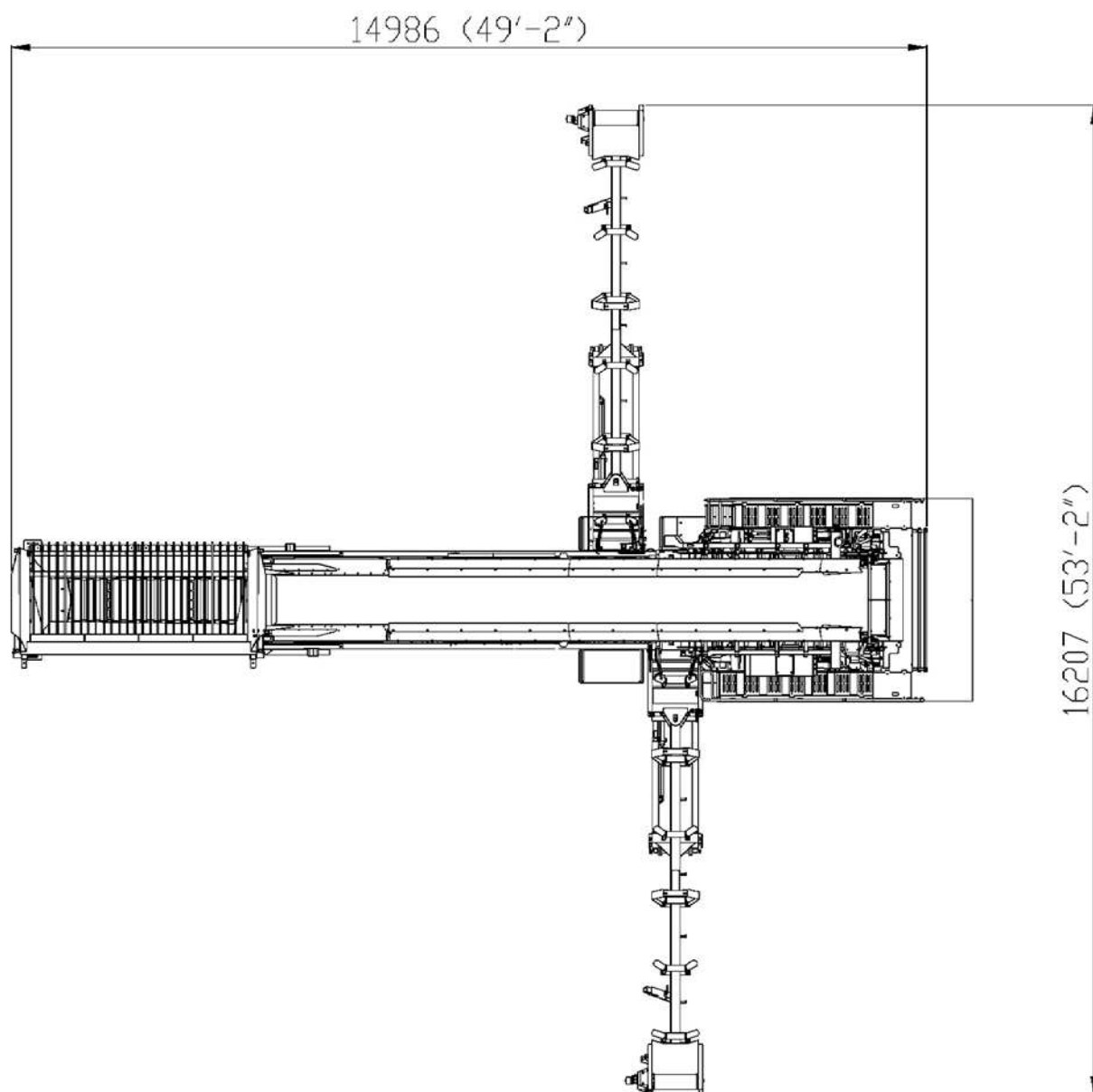


OPTIONS

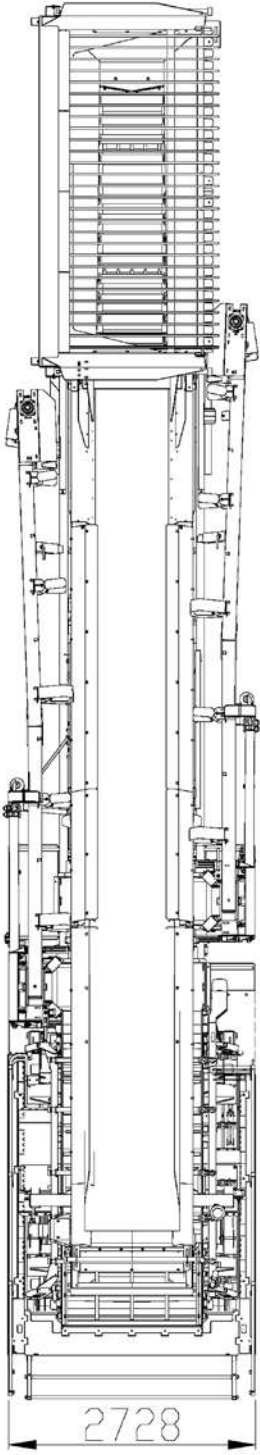
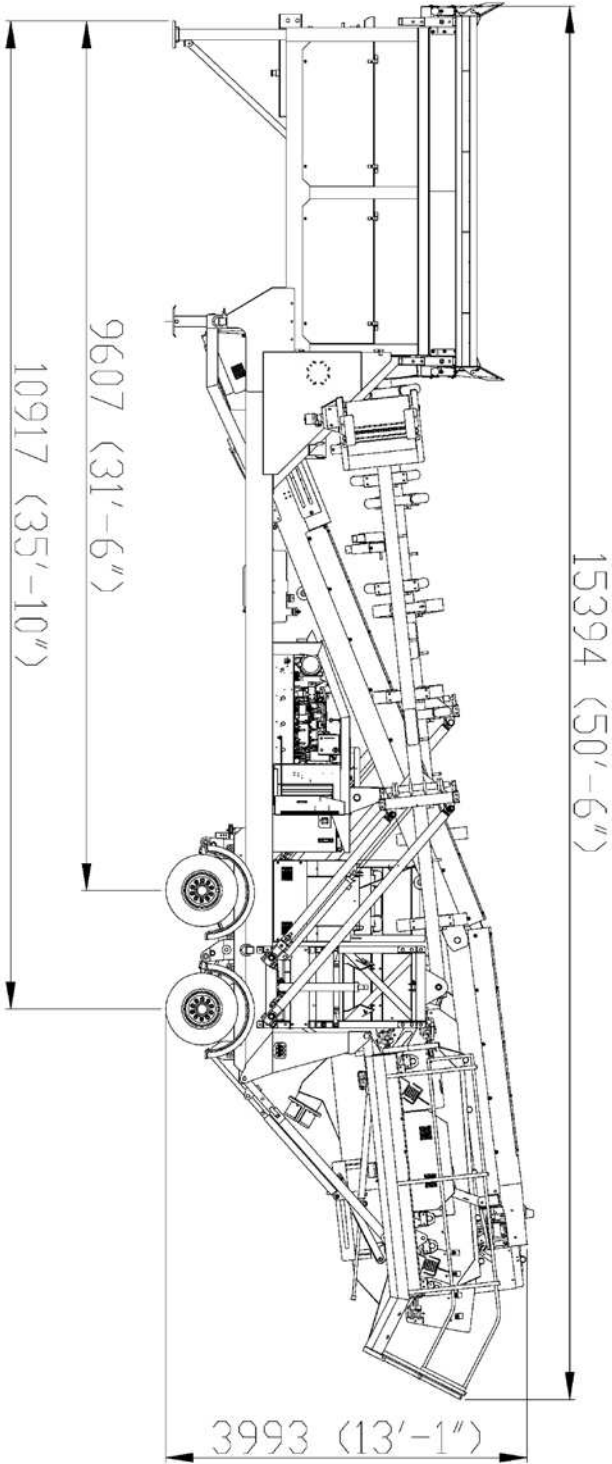
- Crusher feed chute
- Anti-roll back on main conveyor
- Vibrating grid
- Vibrating grid discharge chute
- Dual power (can be operated electrically)
- Quick release wedge screen tensioning system
- 25mm aluback wearplate in washbox
- Sealed pipes with bonded rubber lining
- 11' x 5' single or twin grade catchbox
- Wheel or track mobile
- Roll-in bogie prepared
- Roll-in bogie equipped
- Abs braking axle with leaf spring suspension and handbrake
- Radio controlled tracks
- Prepared tuv chassis
- Auto lubrication system
- Hydraulic screen tensioning
- Dry screen tail conveyor
- Single or double deck vibrating grizzly
- Single shaft, flail type shredder
- Wheel bogie for track machine
- Hydraulic jacking legs

DIMENSIONS

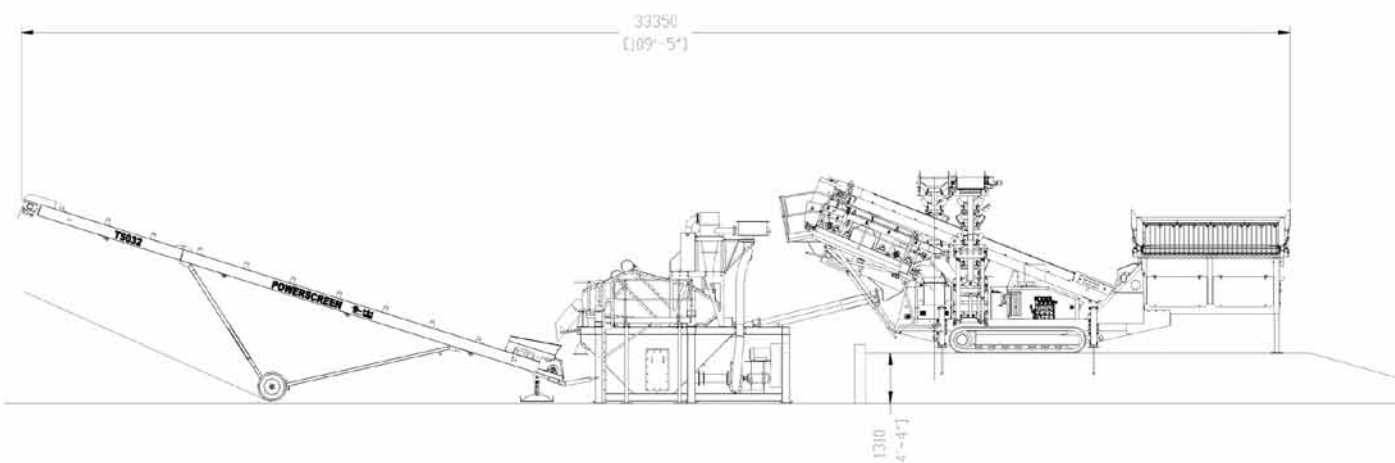
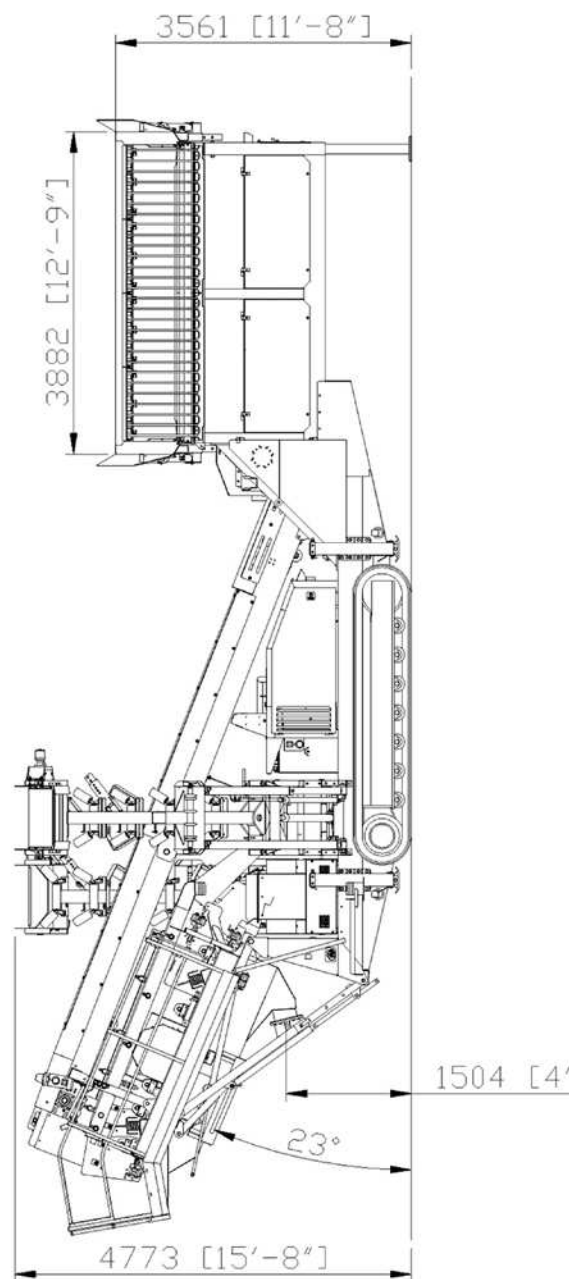
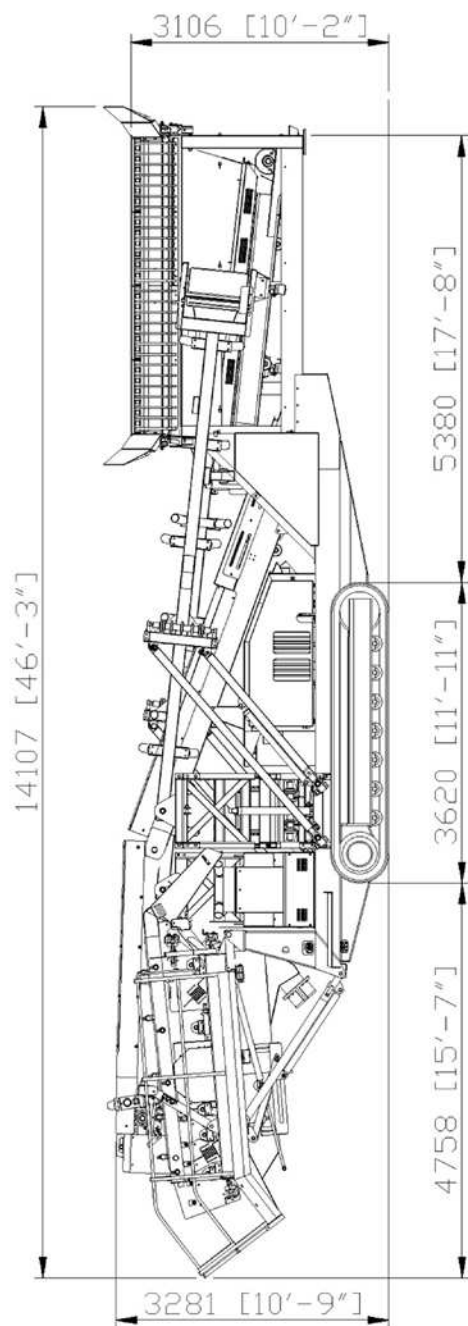
M 1400 WHEELED WORKING



M 1400 WHEELED TRANSPORT



M 1400 WORKING AND TRANSPORT



TEREX WASHING SYSTEMS CONTACT DETAILS

Dungannon Site

200 Coalisland Road
Dungannon
Co. Tyrone
Northern Ireland
BT71 4DR

Tel: +44(0) 28 8771 8500

Email: TWS.sales@terex.com

www.terex.com/washing



Check out Terex Washing Systems videos
on YouTube: www.youtube.com/terexwashingsystems



www.facebook.com/TerexCorporation



Effective Date: July 2012 Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks, or trade names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries. © 2010 Terex Corporation.



TEREX®

WORKS FOR YOU.™