

The Solution for Waste Transfer Stations  
**HIGH DENSITY COMPACTORS**

**M**  
**MACHINEX**

*Experience Results*



Machinex compactors are the ultimate solution to optimize waste transportation to landfill sites and other disposal facilities. These rugged and reliable machines will enable moving floor trailers to be loaded to their maximum legal capacity.



**99%**  
**OF TRUCKLOAD  
CAPACITY  
ACHIEVED WHEN  
COUPLED WITH AN  
IN-FLOOR SCALE**

## Advanced Functions

Machinex High Density Compactors have cutting-edge features ensuring optimal results. Its state-of-the-art design makes it user friendly and facilitates easy access for maintenance.

► Compactors can be fed by conveyor, material handler or grapple.



### EASY MAINTENANCE ACCESS

The chute is provided with an opening located behind the ram in order to release the excess of material. Removing the inclined panel of this chute allows to reach the interior of the compactor with the help of a stepladder.



## Control and Operation



- The compactor can be filled in 20 minutes.
- Once loaded to its full capacity, the operator stops the compactor with a control panel.
- Couple the compactor with an in-floor scale to optimize the trailer loads by obtaining real-time tonnage.

### MOTOR

Hydraulic power unit with integrated oil cooling system.



**COMPACTION  
FORCE**  
**95**  
TONS



# Options



Standard Ram

## OPTIONAL BULLNOSE RAM



Bullnose Ram

The bullnose ram prevents waste from falling on the floor and offers better compaction compared to the standard ram. Adding the bullnose ram will increase the overall ram penetration by 27".



## EXTRA PENETRATION

The extra penetration option allows for better compaction since the compacting ram is able to travel inside the trailer as far as 47", while the standard ram penetration is 23".



## HOOKS

The compactors are equipped with mechanical or optional hydraulic grab hooks that attach to the moving floor trailers.



Side Hooks



Center Hooks

## Customer's Experience

*"We're extremely satisfied with the compactors. By coupling the compactors with an integrated in-floor scale, we can load our trucks to 99% of their capacity. These results are even better than we'd hoped for and it makes us more competitive in the market."*

*– Maxim Sylvestre, EBI Group, Montreal*

MODELS	MTC-1400-50	MTC-1400-50-XP	MTC-1400-50-HS	MTC-1400-50-HS-XP
<b>DESIGN FEATURES</b>				
<b>CHARGE BOX CAPACITY</b>				
Manufacturer Rating	14.0 yd <sup>3</sup>			
Wastec Rating	10.17 yd <sup>3</sup>			
Clear Opening	76 ½" wd. x 122" lg., 54" deep			
<b>RAM FACE</b>				
Platen Face	79 ½" wd. x 48" ht.			
Platen Face Thk.	1" with stiffeners			
<b>COMPACTOR COMPONENTS</b>				
Floor Plate	½" m.s. + ½" bolted liner (425 BHN)			
Side Walls	3/8" m.s. + 3/8" liner (425 BHN)			
Ram Top	¾" abrasion resistant			
Ram Penetration	23" past breaking bar	47" past breaking bar	23" past breaking bar	47" past breaking bar
Weight	37,000 lb (18.5 tons)	39,000 lb (19.5 tons)	37,000 lb (18.5 tons)	39,000 lb (19.5 tons)
<b>PERFORMANCE CHARACTERISTICS</b>				
Cycle Time (no load)	29 sec.	34 sec.	20 sec.	23 sec.
Operating Ram Force	165,400 lb			
Maximum Ram Force	190,900 lb			
Operating Ram Face Pressure	43.3 psi			
Maximum Ram Face Pressure	50.0 psi			
Bullnose	Optional			
<b>ELECTRICAL EQUIPMENT</b>				
TEFC Electrical Motor	50 HP, S.F. 1.25			
Electrical Control Voltage	24 VDC			
CSA Control panel	Nema 4 (type)			
Standards Controls	Keylock, start-stop			
HMI screen	Alarm status, Operating data, etc.			
Controls Location	Compactor mounted			
<b>HYDRAULIC EQUIPMENT</b>				
Hydraulic Pump	87 GPM, with regen		125 GPM, with regen	
Cylinder Bore	9"			
Cylinder Rod	6"			
Cylinder Stroke	147 ½"	171 ½"	147 ½"	171 ½"
Operating Pressure Penetration	2,600 psi			
Maximum Pressure	3,000 psi			
Reservoir	200 gal		400 gal	
Oil temperature, level alarms	Standard			
Oil cooler	Standard			
Oil heater	Optional			

The data in the table above may change.