



COVER PLACEMENT MACHINE (CPM)



Managed Organic Recycling

offers a Cover Placement Machine (CPM) for handling & placing large (12.5m X 55m ; 40.5' x 178.75') compost covers at composting facilities. The CPM is completely mobile, and is powered by a gas engine, hydraulic pump and motors. The CPM allows any composting facility that employs compost covers, and other material processing facilities that require tarps, to move them efficiently while at the same time extending the life of the covers by eliminating drag in cover placement and removal.

CPMs can be designed by MOR to meet client specific requirements for cover width, length and weight. The CPM has unlimited directional capability (forward/reverse, sideways and diagonally at any angle) and can even rotate 360 degrees on one tire. The cover roll-up tube (extra thick wall 10-inch diameter tube to eliminate deflection) is operated by two hydraulic rams (for lift) and a hydraulic motor for roll-on/roll-off of the cover material. The CPMs are designed to have a structural factor of safety of 2 for lifting a totally wet or saturated covers.

Hydraulics motors and rams are powered by a hydraulic oil pump driven by a Tier 3 4.5 liter John Deer gas driven engine. The engine has an automatic start feature with battery disconnect switch so the battery will not drained when the CPM is not in service. CPMs are typically designed for hard-surface operation, but flotation tires can be optionally supplied, on an adjusted price basis, if the CPM must operate on a dirt surface.

The CPMs are controlled by "joy-stick" for ease of operator handling while attending to the placement/removal of the cover on a pile. The operator has a full field of visibility from the control bridge—typically, 14 feet above the pile base—for precise operation and deployment of the cover.



Our CPM is powered by a John Deere 4.5 liter engine capable of 140 hp at 2,400 rpm. The Eaton hydraulic motor is capable of lifting up to 6000 psi with 4,160 rpm at 18 degrees.



TECH SPECS

ENGINE	John Deere 4.5 liter engine capable of 140 hp at 2,400 rpm.
HYDRAULIC DRIVE	Eaton hydraulic motor capable of lifting 6000 psi with 4,160 rpm at 18 degrees
STEERING SYSTEM	Multi-directional steering system with front, back and all wheel drive. Also capable of diagonal, cross, and roundabout drive.
LIFTING FORCE	6000 lbs.
COVER ROLL-UP SPEED	0-30 ft/min
CPM WEIGHT	22,000 lbs

