

C&M PreCrushCompactor

PreCrushCompactor
C&M Baling Systems, Inc. Winston-Salem, NC 1.800.225.3796

deluxe model



C&M PreCrushCompactor – *deluxe* model

- Eight-inch ram cylinder for over 125,000 lbs of variable controlled crushing & compacting force
- 40-HP power unit for 35-second cycles
- 25,000 –28,000 pounds overall manufactured weight & more depending on selected options
- Unique features not found on other PreCrushers to solve problems that plague other PreCrushers
- Manufactured with C&M baling press QUALITY – not lower industry accepted compactor quality



Shown with *optional* 100-inch wide drive on deck, flared hopper extensions, and attached heavy-duty 24-inch dock ramp.

C&M designed the highest quality PreCrusher with many optional features for demanding applications. All options might not be needed for each installation.



Starts with a push button “auto-cycle” for a *simple standard crushing/compacting cycling* including a START warning horn & strobe light.

Multiple operator functions are used for varied materials & conditions.

For container “Pack-Out”, the driver has the full 125,600 pounds of compression force.

The OPERATOR CONTROLS & “Pack-out” panel are both controlled by an Allen-Bradley PLC.



Typical Crush/Compact Cycle



Fully wired and assembled freestanding 40-HP power unit is standard with choice of three locations.

Optional ENCLOSED POWER UNIT with easy-to-service location of hydraulic components (shown above) is out of the way, protected, and out of sight.

C&M uses standard hydraulic power unit components, not factory custom designed hard-to-get proprietary parts used by most compactor manufacturers.

Crush Door track and platen/ram plates are ALL replaceable wear materials designed for lubrication and wear NOT STEEL-ON-STEEL!

The C&M Crush Door has a guide-track cleaning device for clearing materials such as Styrofoam and wood chips.

The C&M PreCrushCompactor has two ram wipers to help eliminate waste from entering the rear of the machine and two see-through lockable cleanout chutes to make cleanliness practical.

Note. The C&M Crusher Door is shown with solid steel bars to break wood and other rigid materials.

The **C&M DELUXE model PreCrushCompactor** is powerful and complete with all features imaginable. Various infeed hopper designs are available to fit your installation requirements. An Allen-Bradley 1200 PLC does the hard work.

THE FUSE PROTECTED ALLEN-BRADLEY 1200 PLC IS ENCLOSED WITH THE DISCONNECT, TRANSFORMER & MOTOR STARTERS

FLUID RESERVOIR & OIL COOLER LOCATED BEHIND COVER PANEL



HYDRAULIC COMPONENTS CONVENIENTLY MOUNTED ON BEAMS BEHIND COVER PANEL



LOCKABLE CLEANOUT CHUTES



HEAVY-DUTY RATCHETS



fast...simple-to-operate...versatile...easy to clean & maintain

C&M PreCrusherCompactor operation...

The C&M PreCrushCompactor operation is simple because the complex sequencing is performed within the logic of a complex and well-conceived PLC program. Most compression force is utilized to *CRUSH* waste materials by breaking glass and flattening cans, barrels, pallets, boxes, bottles, damaged or spoiled electronic devices, furniture, appliances, and many other items and then compacting those items with dense materials such as plastic wrap and waste paper. A lesser amount of force is used to compact the waste materials inside a roll-off container – so as to not damage the container. When 75% of the *COMPACTING* force is utilized, a yellow signal light on the OPERATOR'S CONTROL PANEL notifies the operator the container is nearing full density. When the 100% FULL container pressure setting is reached, a red signal light, along with the horn & strobe light, provide warning the container should be exchanged for an empty one. When the truck driver arrives to exchange containers (or remove and empty a dedicated container), separate "pack out" controls are used that allow the driver to override operator controls. The driver has 125,600 pounds of force available to help assure residual waste can be compacted into the container.

Speed & power chart for the C&M *DELUXE* PreCrushCompactor Industrial grade 116" stroke x 8" bore compression cylinder

CRUSH	COMPACT	RETRACT FROM CONTAINER	POWER	PACK-OUT FORCE	CRUSH FORCE	COMPACT FORCE
20 SECONDS	10 SECONDS	15 SECONDS	40-HP	125,600 LBS	Up to 110,528 LBS	Up to 100,000 LBS



REDUCE → **BULKY COMPACTOR WASTE** → **BY 70% -100%**



C&M has designed the strongest compactor compression ram with unequalled wear ability and serviceability...after years of service, change ram wear plates in 45-minutes!



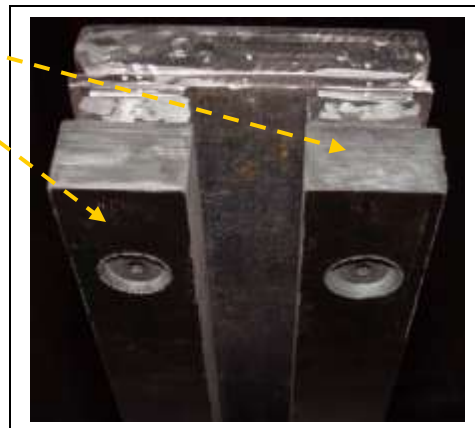
TONGUE & GROVE FLOOR AND WALLS



Replaceable UHMW ram floor and ram sides wear plates are machined to match 1/2" x 4" steel bars plug welded to the C&M PreCrushCompactor walls and floor for extreme wear performance and many years of service while providing a snug fit to significantly reduce the amount of waste that accumulates under, or alongside, the ram of most compactors. This is especially important when crushing wood.



Graphite impregnated Crusher Door strips are attached with recessed socket-head bolts for easy replacement when needed. These door wear strips are a component of a steel guide assembly - also bolted for easy removal. Graphite wear strips fit tighter and last longer than steel guides found on other pre-crushers.



Why users of standard compactors need the C&M PreCrusher?

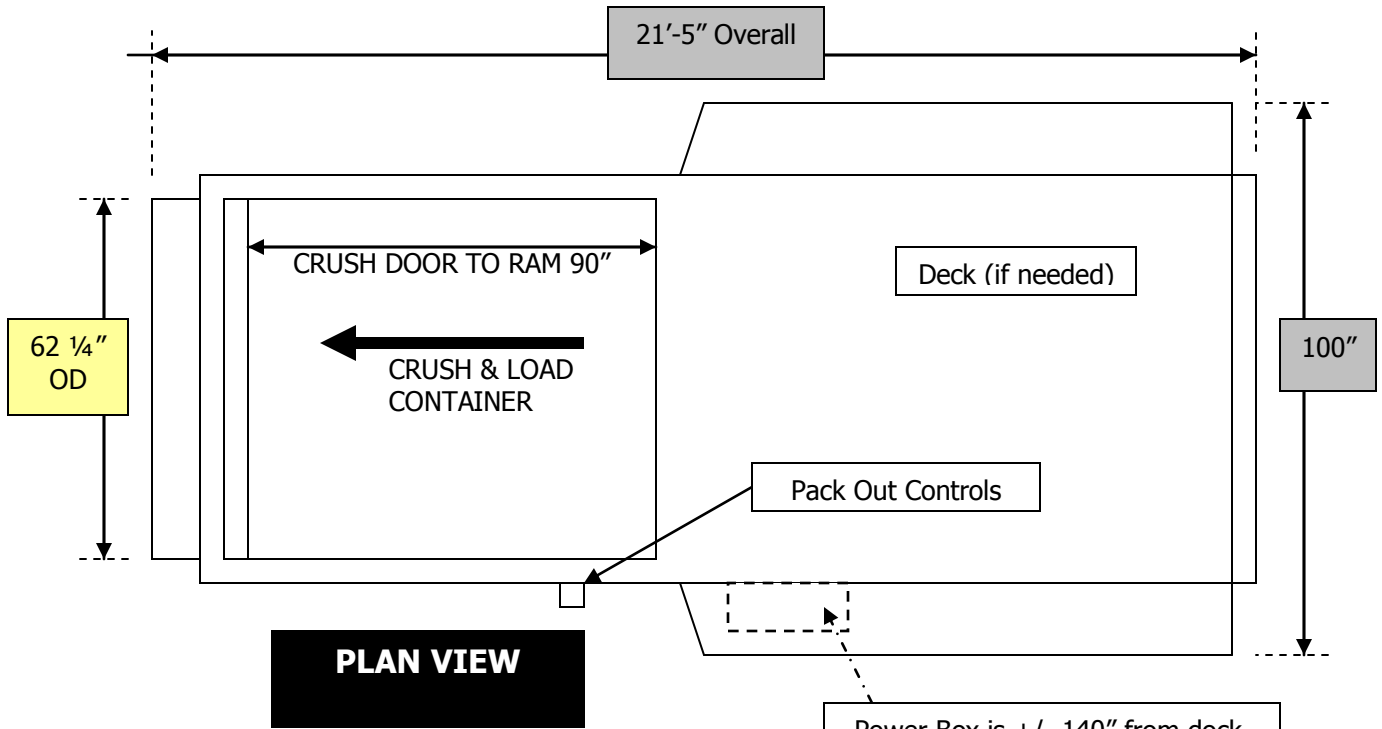
- Compactors reduce mixed waste to 25 percent of the original volume
- Compactors reduce wooden pallets to about 50 percent of volume
- The C&M PreCrushCompactor can **DOUBLE** the load of a compactor by flattening multiple drums, crushing & breaking up multiple wooded pallets, densifying full chambers of Styrofoam, **DESTROYING FINISHED GOODS OR DESTROYING SURPLUS ITEMS...**and after doing so, load up your containers to **REDUCE HAULING COST and time otherwise lost during waste container exchanges**
- The C&M PreCrushCompactor will handle high volumes of waste
- The C&M PreCrushCompactor has Operator Selections for **nine different automatic cycle** options for precrusher and compactor multiples allowing repeated crushing and/or repeated compacting
- The C&M PreCrusher door can be bypassed by Operator Selections to only compact...and remain in automatic mode
- All wear plates are easily removable...**AVOIDING COSTLY REPAIRS**
- The C&M PreCrushCompactor is manufactured to the quality level of a C&M precision baling press...**NOT LOOSE FITTING PARTS & POOR WELDS AS IS FOUND ON MOST COMPACTORS**
- Polystyrene and wood **will not** clog up the C&M PreCrusher door track **as occurs on other designs of pre crushers**
- The C&M PreCrusher door and ram face has offsetting solid steel vertical bars attached to **BREAK** waste - as well as to crush it
- The **DELUXE MODEL** includes all C&M optional features, but many operations will not require all available C&M accessories...**NO PROBLEM - NO CHARGE...**costs of unneeded features are removed
- Need a custom hopper or a custom style deck? **NO PROBLEM**
- The C&M PreCrushCompactor is fast (compare our speed with others) and powerful (compare our operating pressure with others)

**Contact your C&M Dealer or Representative today
or call (800) 225-3796 for more information.**

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C&M DELUXE PreCrushCompactor Physical Dimensions



NOTE. 6" 3000 PSI CONCRETE PAD 9'-10' WIDE X 40' LONG FOR PRECRUSHER & CONTAINER

Power Box is +/- 140" from dock.
Requires conduit by customer.
Ground to top of Power Box is 42".
(Power Unit Location is optional)

