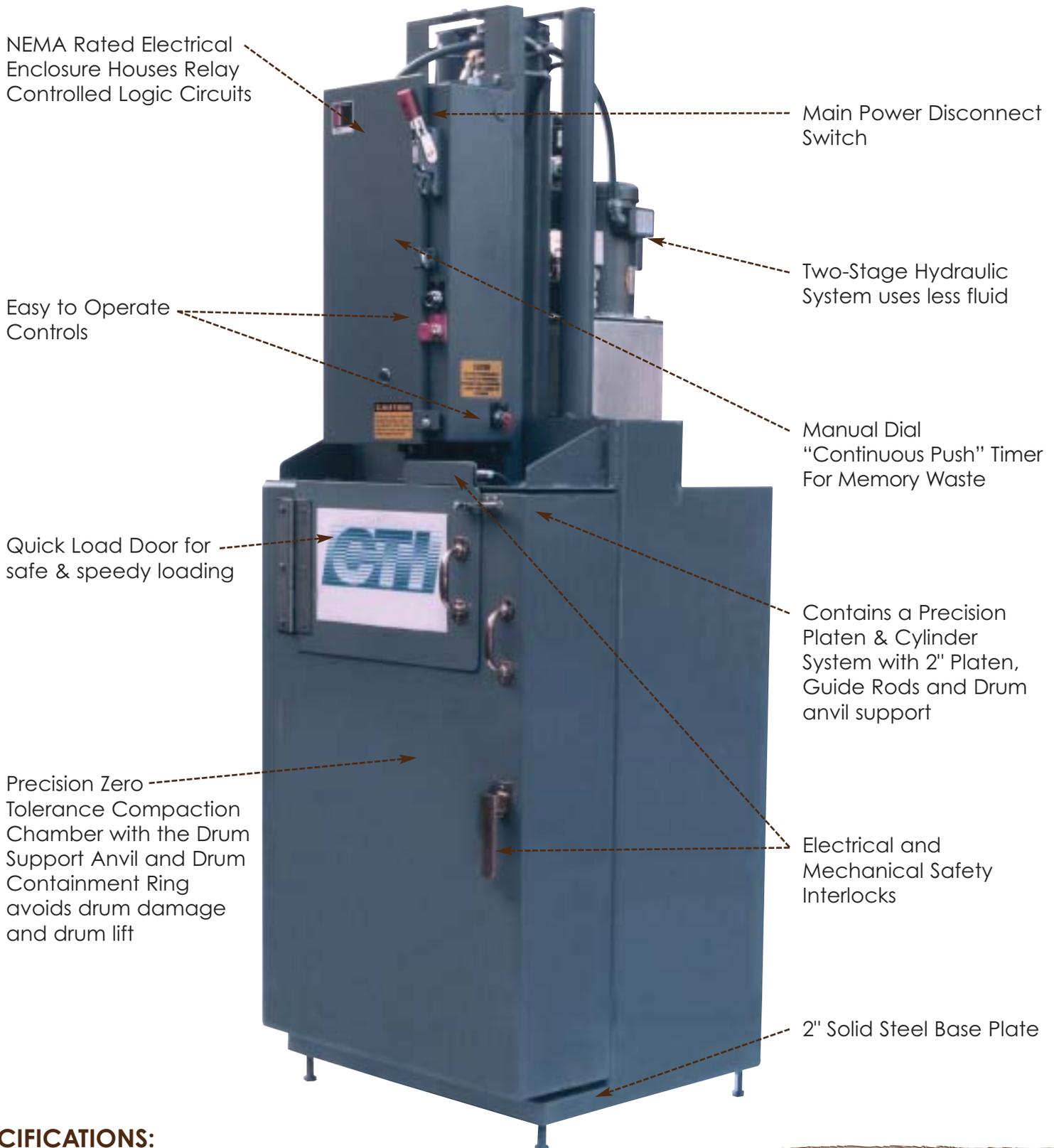


# The CTI 50 Series Compactor/Crusher

A Better Way to Reduce Your Disposal Costs

The CTI 50 Series is designed to compact dry, solid, saturated, hazardous & low-level radioactive waste. It delivers superior compaction results safely, efficiently, and reliably.



## SPECIFICATIONS:

Dimensions  
34" W x 36" D x 96" H  
(108" H with the optional  
Drum Crusher Package)

Recommended Clearances  
Back: 12"  
Sides: 36"  
Weight: Approx. 3000 lbs.

Maximum Drum Dimensions  
Diameter 23.625"  
Height: 36.00"

*Quality engineered, heavy-duty construction throughout for many years of affordable service.*

# Standard Features

## Zero Tolerance Compaction Chamber

The Zero Tolerance Compaction Chamber, and the Drum Support Anvil perfectly center the drum while providing lateral support to minimize drum distortion. (Distorted drums can become leaking drums, making disposal more costly.) An internal Drum Containment Ring prevents the drum from being picked up by the Platen on the return stroke, avoiding drum lift and potential foot injury.

## "Continuous-Push" Timer

A timed, sustained push at full pressure destroys the "memory" (spring-back) of the waste, maximizing compaction ratios and your savings. Timer is user adjustable for varying waste types.

## Quick Load Door

Allows for convenient and easily loading. Minimizes operator's exposure to waste.

## 60,000 lbs. of Compaction Force

Allows excellent waste compaction in conjunction with the "Continuous-Push" timer in the Zero Tolerance Compaction Chamber.



## Two-Stage Hydraulic System

Energy-efficient, two-stage 7:1 gear pump requires less oil and operates cooler, prolonging the life of the motor, pump, seals and hoses. A specially designed, smaller oil reservoir contains 70% less than competitive products- less potentially contaminated oil to dispose of during periodic maintenance.

## Precision Cylinder and Platen System

Hydraulic cylinder is 6" bore with a 4" rod. The compacting Platen is a 2" thick chromed steel, supported by two (2) 2" diameter chromed steel guide rods. These Rods provide even loading and prevent damage to the cylinder seals and Platen. A 1/8" clearance between Platen and drum is designed to minimize the waste rising above the platen.

## NEMA 1 Enclosed Electrical System

The CTI 50 Series uses UL listed components, including an OSHA required lockout-style emergency disconnect, and a NEMA 1 enclosure with motor starter. Connects to many power sources (230/460V, 60Hz, 3 $\phi$ ).

## Easy Operator Controls

With the Power Disconnect Switch On and Quick Load Door securely latched, the operator depresses the Run switch. The "Continuous-Push" Timer stops compaction after the predetermined interval, returning Platen to the start position. Also includes a manual Ram Up/Down switch.

## Operator Safety Interlocks

Compactor will not operate if either Quick Load or drum door is open or slightly ajar. A Main Power Disconnect switch is readily available.

## Motor Starter and Disconnect Included

No need to buy a separate and costly motor starter and disconnect.

## Find us at

Safety Storage Inc. Phone: (800) 344-6539  
855 N. 5th Street (217) 345-4422  
Charleston, IL 61920 Fax: (217) 345-4428  
www.safetystorage.com

# Optional Features

## NEMA 4 (Weather Proof) or NEMA 7 (Explosion Proof Components)

Equipped with components to meet the codes governing equipment used in wet and dusty environments or hazardous atmospheres (Class I Division I Group D).

## Fire Extinguishing Fittings

Equipped with fittings to allow for hook-up to the customer-supplied dry chemical fire extinguishing system. An electric heat detection circuit activates the user's fire system.

## HEPA Filtration System

This nuclear grade filtration system, operated manually, removes particles to 0.3 microns with 99.97% efficiency. Internal flow switches disable operation if the filter is blocked.

## VOC/Carbon Filtration System

If Volatile Organic Compounds are present in the your waste, this option absorbs them. Operated manually. Internal flow switches disables operation if this system is blocked.

## HEPA and Carbon Filtration System Combination

This filtration option removes both dangerous vapors and particles. Operated manually. Internal flow switches disable operation if this filter combination is blocked.

## NEMA 4 or NEMA 7 Liquid Removal System

These unique options allow safe and efficient removal of non-explosive or explosive liquids during compaction, for separate disposal or recycling. A powerful, chemical resistant pump can efficiently remove over 14 gallons of liquid waste per minute. Great for filters, rags soaked with solvent, containers with liquid residue, etc.

## 85,000 lbs. Of Compaction Force

Allows superior waste compaction, while minimizing drum distortion.

## Drum Crushing Package

Includes custom hydraulics and a crushing insert that will crush drums to approximately 4 inches. Switching from in-drum compacting to drum crushing is easy and safe, and takes only seconds.

## Stainless Steel Platen and Stainless Steel Chamber

The stainless steel components (sold separately) allow for easy cleanup and decontamination. Recommended for corrosive or radioactive applications.

## Inert Gas Purge for Fire Prevention

Equipped with fittings and valves allowing hook-up to the customer's inert gas supply. The drum chamber is manually flooded (NEMA 7 applications) or automatically flooded (NEMA 4 applications) prior to and during compaction.

## Drum Lift Cart

The drum lift cart easily allows removal of drums weighing up to 1000 lbs. It features:

- Heavy-duty tubular construction
- Specially designed feet to reach into compaction chamber and slide under drum
- Extended handle and four (4) wheel design providing extra leverage for removing heavy drums