

Rack-Master™



Rack-Master's™ revolutionary design helps wine makers focus more on making wine, rather than being burdened with rack and barrel maintenance issues. A unique all plastic construction provides complete corrosion resistance and a gentle surface texture that protects expensive oak barrels from unnecessary handling damage. Rack-Master™ is also built to last with unparalleled impact strength, which resists the denting and paint chipping associated with steel racks. This proven durability is backed by the industry's best warranty protection, offering twice the coverage of the nearest competitor.

The Rack-Master™ design is also very versatile in that every dimension was carefully crafted to accommodate the wine industry's most popular barrel handling and washing equipment, and is stacking compatible with existing steel barrel rack systems, making the switch to Rack-Master™ a seamless change for existing winery operations. Finally, if Rack-Master™ ever has to be replaced at the end of its useful life, Bonar Plastics has a return program, where used racks are welcomed back to be reprocessed into new racks, providing the wine industry with a documented cradle to grave solution.

One Piece HDPE Design - No welded joints or areas to trap bacteria; more sanitary, easier to clean.

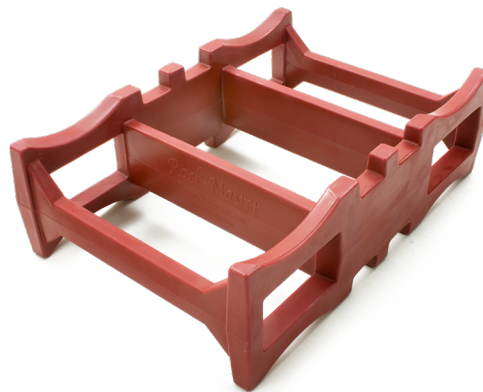
Corrosion Resistant - No refurbishing or repainting required; reduces maintenance costs.

Superior Impact Strength - No denting, or chipping; reduces maintenance costs.

Smooth Plastic Surface - Gentler on barrel assets; reduced coefficient of friction with barrel surface.

Pallet Jack Accessible - Side entries are compatible with standard pallet jacks (27" width).

Bung Access Port - Allows access to bung port while barrels are stacked for topping, stirring, & sampling.



Industry Leading 2 Year Warranty - workmanship and materials. Steel racks are 1 year and for workmanship only.

100% HDPE Recyclable - More environmentally responsible.

Maximizes Barrel Oxygen Exposure - Limits barrel contact points, promoting airflow around barrel.

7" Forklift Channels - optimize handling and clearance between stacked barrels.

Gradual radius corner design - No sharp corners; decreases accidental damage and improves worker safety.

Optional Colors Available.



Size	Height (in)	Width (in)	Length (in)	Weight (lbs)
2 Barrel	16	31.5	45	35
4 Barrel	15	45	71	108

Capacity and weight are approximate.

Case Study: Plastic Barrel Racks prove to Handle Earthquakes Better than Steel

Barrels stacked on plastic racks in Napa cellar close to the epicenter of the August 2014 quake.



Immediately after the 2014 Napa Quake at Ideology Cellars.

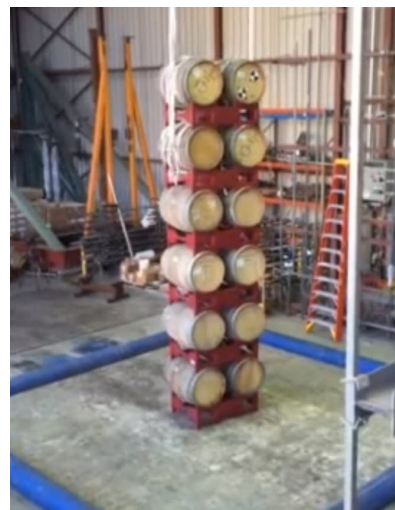
The ultimate benefit of the plastic rack construction was not realized until August 24, 2014, when the Napa Valley experienced their strongest earthquake in 25 years. In the aftermath of the quake, Bob Williamson of Ideology Cellars, visited the cellar storing his barrels to survey the damage, and couldn't believe his eyes. Standing by itself in a sea of collapsed steel barrel rack stacks was a single stack of plastic barrel racks. "It was unbelievable. I don't think a professional photographer could have photo shopped the cellar setting any better."

Seismic testing at UC Berkeley's Pacific Earthquake Engineering Research Center (PEER) in early March, confirmed that the real world results were indeed no fluke. In summary, Bonar's 2 barrel plastic rack passed 125% of the Napa quake's energy at the epicenter with barrels stacked 6 high. "We actually would have passed at a 150% or higher on the Loma Prieta earthquake test, but we neglected to rotate the bottom rack, which had sustained some damage after being exposed to five other tests prior," said Jones. The Loma Prieta Earthquake was in 1989, and responsible for 63 deaths, and 3,757 injuries.

UC Berkeley Seismic Test Validates Plastic Rack Advantage



2 Barrel Steel Rack Fails 100% of the Napa quake simulation.



2 Barrel Plastic Rack Passes 125% of the Napa quake simulation.

Rack-Master™ is not only proven safer, and more protective of barrel assets and property, but also lasts longer and improves environmental stewardship.