

INDUSTRIAL CRATING

A COMPLETE GUIDE



TYPES OF CRATING SERVICES

INDUSTRIAL CRATING



MACHINERY

Typically, there is a large financial investment involved with machinery. This means it's not enough to simply place these items on a truck and strap them down. It's crucial that these valuable assets are crated and transported properly and carefully.

HEAVY EQUIPMENT

When it comes to heavy equipment, it's necessary to make sure that the crate they are in has plenty of cushioning. Without the correct type and amount of cushioning, heavy equipment can easily slide around the crate while being transported. As you can imagine, this is the last thing you would want to happen.

COMMERCIAL CRATING



FURNITURE

Whether you're an e-commerce retailer, an interior designer, or a resident transferring homes, moving furniture can be a hassle. However, with crating, shipping furniture can become more efficient and cost-effective. You can drastically reduce the likelihood of your furniture being damaged.

ELECTRONICS

Plenty of items in the electronics sectors need shipping including hi-tech equipment, telecom devices, sensitive electronics, server racks, and IT assets. Crating is essential because these items are often too sensitive, too big, too heavy, or too valuable to be handled any other way.

SPECIALTY CRATING



FINE ARTS AND ANTIQUES

There is an extensive shipping network when it comes to fine arts and antiques. Museums, auction houses, galleries, artists, and collectors all rely on crates to move delicate and valuable pieces around the world. Custom crating ensures that fragile, one-of-a-kind artworks are cushioned and transported under the right conditions.

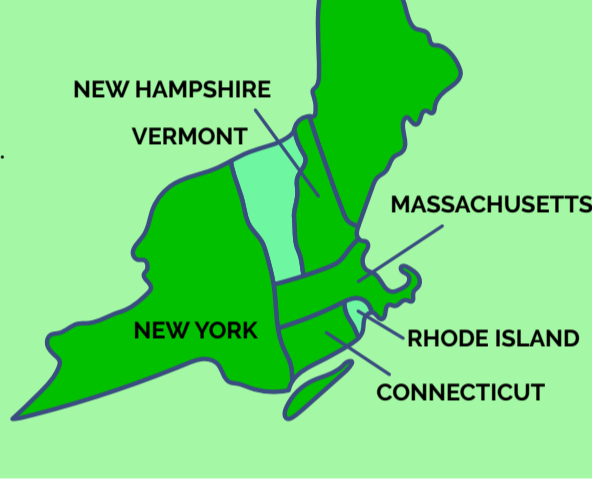
MEDICAL EQUIPMENT

Medical equipment, especially, needs to be handled with extreme care as this kind of equipment deals directly with people's lives. All kinds of medical equipment is shipped including CT scanners, MRI machines, walking aids and wheelchairs, diagnostic equipment, X-ray devices, lasers, surgical equipment, etc.

REGIONAL SERVICES

As we mentioned earlier, we offer our crating services in key areas throughout Connecticut, Massachusetts, Rhode Island, and New York.

In fact, Sullivan Industrial Services has built crates for all sorts of equipment in these states. From small to large scale industrial equipment, our team is fully trained and equipped to handle it all.



SAFETY CONSIDERATIONS IN CRATING

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Personal protective equipment (PPE) is safety apparel that is worn to protect the body against hazards in the workplace. Wearing proper PPE minimizes the risk for serious injuries. That said, you absolutely should be wearing PPE throughout the crating process. Here's a list of what you should be wearing:



SAFETY GLASSES

Safety glasses feature safety frames, safety lenses, and side shields to provide protection against dust and flying objects.



HARD HATS

This type of head PPE provides effective protection against falling objects and debris.



GLOVES

Work gloves protect your hands against cuts, heat, and liquids when handling hazardous materials or operating machinery.



STEEL TOE SHOES

Steel toe work shoes have a steel capping over the toe area to provide maximum protection against falling objects.

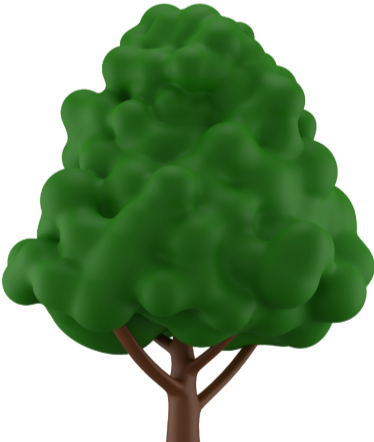


EAR MUFFS

Safety ear muffs or earplugs will help reduce the noise of loud machinery and protect workers from eardrum damage or hearing loss in the future.

CRATING MATERIALS AND TECHNOLOGIES

TYPES OF WOOD AND METAL USED



PINE

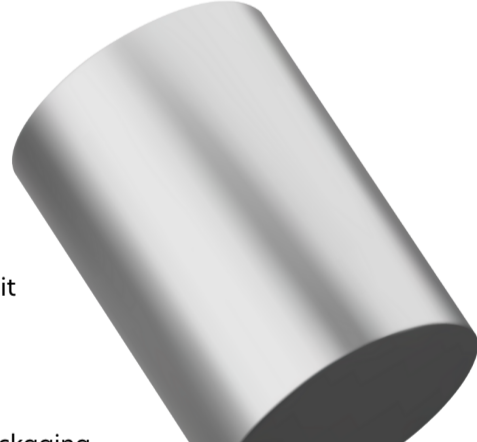
One of the most commonly used woods for wooden crates is pine. In addition to being both light and strong, pine is also relatively inexpensive.

PLYWOOD

One of the best advantages of plywood is that it comes in various levels of thickness.

ALUMINUM

Of all metals, aluminum is the most common packaging material used. Crates made from aluminum tend to be made fast, have a lighter weight, have superior quality, and last longer.



CUSHIONING AND PADDING



FOAM

Foam is an effective cushioning and vibration dampening medium especially for sensitive and/or fragile equipment. Foam can be used for blocking, bracing, and vibration protection in crates.

BUBBLE WRAP

Bubble wrap is an excellent insulator against impacts and is exceedingly good at keeping items safe and secure during transit. Sometimes the transportation process includes rough handling or bumps in the road so companies protect their equipment with bubble wrap. Its bubbles of sealed air provide a flexible but durable cushion that forms a sturdy barrier against impact.

FASTENING SYSTEMS

NAILS AND SCREWS

The strength and stability of the crate mostly depends on the integrity of the fasteners. The nails and screws you use for the crate are extremely important. The following are the most common types of fasteners for crates:

Ring Shank / Twist nails

Both ring shank and twist nails are similar in that they turn or twist as they drive into the wood, forming their own tread in the wood fibers.

Scrail Fasteners

The Scrail brand of fasteners combines speed with holding strength. It's half nail, half screw. They're rapidly driven into wood using common nail guns.



STRAPPING

Strapping is the most common means of unitization and bundling in the packaging industry. There are several types of materials that strapping can be made from. Steel is the oldest, strongest, and highest tensile strength strapping available. It is available in a variety of widths and thicknesses, as well as variations in the grade of steel.

Moreover, there are multiple applications and purposes for strapping such as

- Bundling items together for handling and shipping
- Attaching items to pallets, skids, and crates
- Reinforcing wooden boxes, crates, and corrugated boxes
- Attaching items to flatcars, flatbed tractor trailers, etc.
- Closing shipping crates
- Load securing items within intermodal containers, boxcars, and tractor trailers.

HEAT-SHRINKING WRAPPING TECHNOLOGIES

Heat shrink wrap can be utilized for equipment that need both short-term and long-term storage. This wrapping technique ensures that items are protected against the elements.

HIRE THE RIGHT CRATING COMPANY

SULLIVAN INDUSTRIAL SERVICES

We proudly serve CT, MA, RI, & NY

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