

THERMO COMPACTION SYSTEMS, INC

"TODAY'S SOLUTIONS FOR YESTERDAY'S STYROFOAM WASTE PROBLEMS"



Thermo Compactor

"Dedicated to Preserving the Environment"

Reduces Waste Collections
Safe and Maintenance Free
Operates on Less Than 1800 watts
One Step Operation
Saves Valuable Natural Resources
Conforms To Florida Recycling House Bill 7135
Qualifies for Florida Innovative Recycling Grant Program
Purchase or Lease



Over 1200 Trays Melted into a 46x76x306 Block of Styrofoam.

Problems disposing of Polystyrene

The disposal of polystyrene waste is a major problem for many sectors of industry because the volume to weight ratio of the material is unfavorable for economic transportation after use. In many applications polystyrene is the best packaging material to use as it can reduce the risk of damage to expensive electronic items and can preserve and protect food far better than many alternative packaging materials. Despite the suitability of polystyrene for a wide variety of applications, organizations are faced with the growing problem of finding alternative methods of disposing of large volumes of waste packaging. **Thermo Compaction** is a new and viable method of treating this complex waste stream while saving money.

Thermo Compaction

The Patent Pending Thermo Compaction Machine is a safe, simple and economical solution to the problem of polystyrene waste to achieve large savings in landfill space and transporting waste disposal costs.



Styrofoam Tray Stacker



Flower pot made from used Styrofoam lunch trays.

What Thermo Compaction Does

The Thermo Compactor is specially designed for applications where transportation of EPS is not economical or practical or where lingering odors and contaminants are present in the polystyrene (e.g. organic matter from food containers). The thermal compaction process can achieve a volumetric reduction of waste of up to 95% to dramatically reduce waste storage and traffic.

The Thermo Compactor machine simply reverses the manufacturing process of the material to be compacted by applying conductive heat to the EPS waste to convert it into a liquid resin that is cooled into a block. The Thermo Compactor uses conductive heat to melt and not burn the EPS waste, there are no pollutants released into our atmosphere. The Thermo Compactor does not employ blades or dangerous moving parts and is virtually silent running. The machine can deal with contaminated waste and the resultant volume reduced block is completely odorless.

Cost Benefits

The introduction of the Thermo Compactor machine will have positive cost cutting and environmental implications, by reducing the need for expensive transport, storage and disposal facilities, which are currently a necessity for many industries using polystyrene packaging.

Thermo Compaction Systems, Inc

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