TP1000 STYROMELT®
THERMAL COMPACTOR

SAFE & EASY TO USE

STERILISES WASTE

SMALL FOOTPRINT

SAVES ON WASTE STORAGE & TRANSPORT

REDUCES WASTE VOLUME BY 95%




TAYLOR PRODUCTS LIMITED

BRINGING PLASTIC W

TP1000 Benefits

- Reduces polystyrene waste by 95%
- Financial savings
- Small footprint area – can be situated in almost every environment
- Simple operator controls
- Re-sale of end product
- Low energy consumption
- Safe and silent running
- Sterilises contaminated waste
- Compacts 50 fish boxes an hour 4 x greater compaction rate than conventional hydraulic compactors

UP TO 95% REDUCTION, SAFE AND ECONOMICAL

EASY TO USE

POLYSTYRENE IN

VASTE DOWN TO SIZE

Taylor Products new TP1000 Styromelt® machine is the safe, simple and economical solution to the thermal compaction of polystyrene waste to achieve large savings in transport and waste disposal costs.

The TP1000 is specially designed for applications where traditional hydraulic compaction is not economical, practical or where lingering odours and contaminants are present. The thermal compaction process can achieve a volumetric reduction of waste by up to 95% to dramatically reduce waste storage and traffic.

The disposal of polystyrene waste is a major problem for many sectors of industry because the volume to weight ratio of the material is unfavourable 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 such as fish far better than many alternative packaging materials. Despite the suitability of polystyrene for a wide variety of applications, organisations are faced with the growing problem of finding alternative methods of disposing of large volumes of waste packaging.

Styromelt is a new and viable method of treating this complex waste stream!

The TP1000 Styromelt machine simply reverses the manufacturing process of the material to be compacted by applying conducted heat to the polymer to convert it into a liquid resin that is cooled into a briquette. The TP1000 does not employ blades or dangerous moving parts and is virtually silent running. The machine can deal with contaminated waste such as meat and fish boxes and the resultant volume reduced briquette is sterile.

The operation of the machine is simple and restricted to switching the machine on and off and removing cooled briquettes on a daily basis. The ergonomics of the machine eliminate the possibility of the machine operator touching hot surfaces and the briquette removal tray is electronically interlocked to restrict access only when material is safe to handle. Air is filtered to remove odour via a high quality labyrinth and carbon filter.

The introduction of the TP1000 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.

The end product for the thermal compaction process is completely recyclable and will continue to have an ever increasing market value.

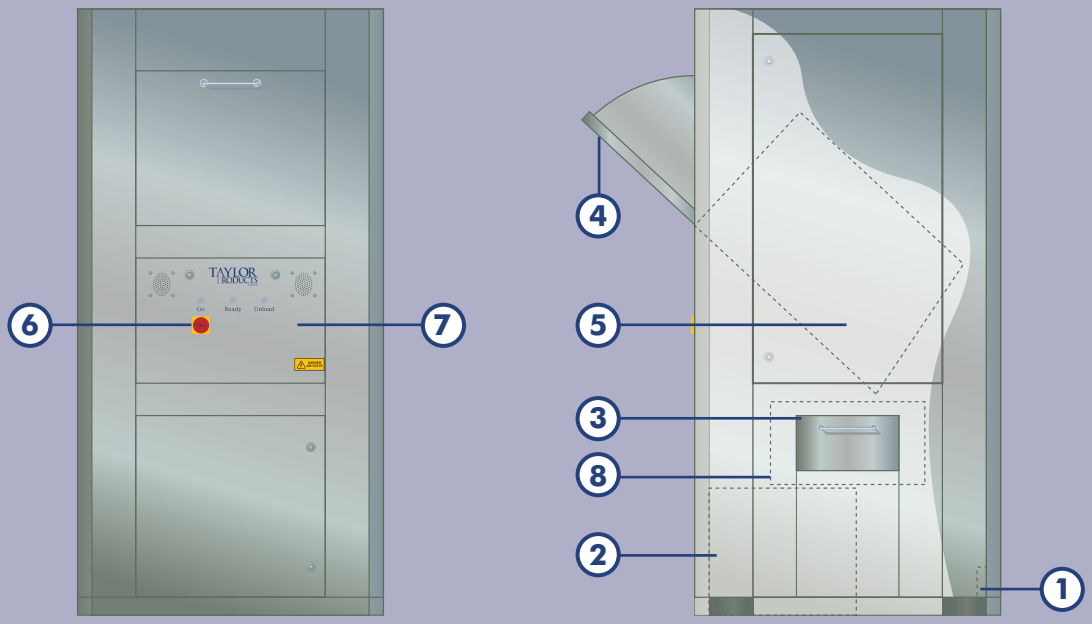
MARKET APPLICATIONS INCLUDE:

- **Fisheries Industry**
- **Retail**
- **Sports Stadiums**
- **Fast- Food Industry**
- **Recycling Industries**
- **Cruise & Ferry Industry**

TAYLOR PRODUCTS LIMITED

1-800-464-3095

TECHNICAL SPECIFICATIONS



KEY

1. Exhaust duct
2. Extractor fan and filter
3. Briquette tray
4. Loading chute
5. Melt chamber
6. Isolator switch
7. Control panel
8. Unloading tray

PRIMARY DATA

Height mm/inches	1950/77
Depth mm/inches	1200/47
Width mm/inches	1000/39
kW Max Demand	13
kW Op. Demand	7.5
Power Supply	220/240-1-50-40A
Fan Speed cfm	290
Batch Capacity	2m³/hr
Controls	PLC
Footprint area	1.2m²
Construction	Stainless steel grade 316
IP Rating	IP65