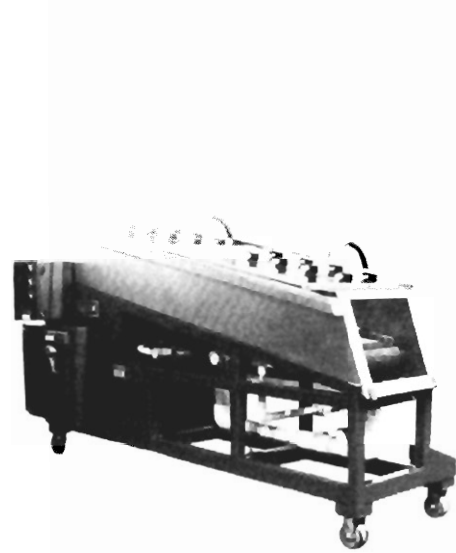
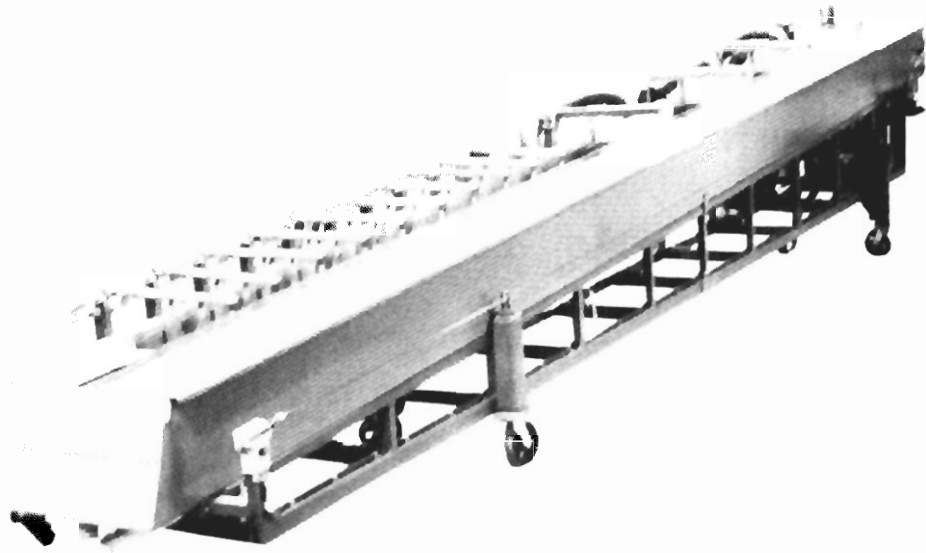


CONVEYORIZED STRAND SPRAY COOLING TANK



Conveyorized
Spray Cooling Tank



Conveyorized Spray Cooling Table with
Forced Air Water Removal System

APPLICATIONS:

Vulcan's Conveyorized Strand Spray Cooling Tanks have been designed for the water mist spray cooling of stranded plastics as applicable to the pelletizing market. This approach is particularly suited for the cooling and handling of hygroscopic materials where the limiting of the exposure of the strand extrudates to less moisture than absorbed in full emersion tanks is desired. Vulcan spray cooling units are also available with optional forced air and vacuum water removal systems.

MODELS AVAILABLE:

Conveyorized Spray Tank Model	Belt Contact Length (Feet)	Belt Width (Inches)	Approximate Number of Strands
CST10	10	10	20
CST15	15	15	35
CST20	20	20	50
CST25	25	25	60
CST30	30	30	80

- Systems having longer or wider belts for higher bulk rates or higher line speeds are available as options.

TANK AND FRAME CONSTRUCTION:

- Tank Construction - 12 Gauge Stainless Steel
- Frame Construction - CRS Tubing, Structural Steel Sections and Plate
- Standard Units Furnished for Permanent Installation without Casters or Hold-downs. These accessories are offered as options

BELT AND BELT DRIVE:

- Belt Type - Stainless Steel Mesh - with belt take-up
- Maximum Belt Speed - 150 FPM unless otherwise specified
- Belt Drive to be either 1 HP or 2 HP, DC-SCR variable speed drive depending on belt length, width and tension

WATER SPRAY SYSTEM:

- Atomizing spray nozzles of sufficient quantity are located to cover the complete belt width over the predetermined spray length
- Articulated spray manifold can be moved out of spray position to accommodate threading of the line if desired
- If unit is furnished with optional lids, the spray bars are attached to the underside of the lids

RECIRCULATION SYSTEM (optional):

- Recirculation system to consist of collection tank for spray water, pump, filter and heat exchanger
- System completely piped requiring only the connection of supply, and return lines from heat exchanger to customers chilled water source

OTHER FEATURES:

- Emergency Pull Ropes to stop conveyor movement
- Electrical - 230 Volt/3 Phase/60 Hertz

OPTIONS:

- Vulcan proprietary combination castered height adjusters and hold downs
- Elevated exit end of spray cooling unit to match entrance to pelletizer
- Hinged lids to spray tank with spray bars mounted on lids. Spray bars are automatically shut-off when lids are opened
- Positive air pressure water removal system or combination positive air pressure and vacuum water removal system

