

LUMINA **PALLATEER**

Unquestionably the best way to make plastic pallets

MACHINERY
THAT FITS



*Shown: LUMINA
Pallateer Model PM-1S
producing single deck
nestable one-way pallet*

Wilmington Machinery has built structural foam injection molding machinery for since 1972. This method of molding has proven to be the most successful in the making of plastic pallets. Alternatively, the gas assist method of molding can be applied on the same machinery.

The **LUMINA PALLATEER** is the latest of Wilmington's rich history of machinery developments that match the needs of today. The **PALLATEER** is an integrated system comprising the finest components working together to deliver high quality pallets from low cost (up to 100% recycled) materials, with minimum labor, floor space and utilities.

The pallets produced are of all types – one way nestable, single deck, double deck, rackable, etc. They are producible in all sizes – 40 x 48, 48 x 48, 1 x 1.2m, 1.2 x 1.2m and any other size needed, smaller or larger. Wilmington has the expertise to design the pallet that is exactly right for your needs.



Features and Advantages

- Makes all types and sizes of pallets
- 100% RECYCLED material capability
- Fully automated – low labor
- Low energy
- Smaller footprint
- Low cost production
- Complete systems – machinery, molds, pallet design, know-how



LUMINA PALLATEER

Specifications

US SPECIFICATIONS – UPDATED JULY 2019

Model	PM-1	PM-1S	PM-2	PM-3	PM-4	PM-5 (A)	PM-5 (B)	PM-6
Pallet Size (max) (inches/mm)	48x48/1200x1200	48x48/1200x1200	(2) 48x48/1200x1200	(2) 48x48/1200x1200	(4) 48x48/1200x1200	40 x 48 / 1000 x 1200	48 x 48 / 1200 x 1200	48 x 48 / 1200 x 1200
Cycles/hour (Nominal)	30	30	30	30	30	30 or 24 One-Piece Double Deck	30 or 24 One-Piece Double Deck	24 One-Piece Double Deck or 60 Single Deck
Production/year	240,000	240,000	480,000	480,000	960,000	200-240,000	200-240,000	200-480,000
Mold Space (V x H) (inches/mm)	56 x 56 / 1400 x 1400	56 x 56 / 1400 x 1400	59 x 61 / 1500 x 1550	(2) 56 x 56 / 1400 x 1400	(2) 59 x 61 / 1500 x 1500	60 x 67 / 1500 x 1700	67 x 67 / 1700 x 1700	67 x 118 / 1700 x 2900
Clamping Force (tons/metric ton)	300 / 265	300 / 265	400 / 330	500 / 415	600 / 500	400 / 350	400 / 350	800 / 7000
Extruder Size (mm–L/D)	90–30:1	130–30:1	130–30:1	130–30:1	6"/150mm–30:1	130–30:1	130–30:1	150–30:1
Melting Capacity per hour of HDPE (Lbs/Kg)	800 / 360	1500 / 680	1500 / 680	1500 / 680	2400 / 1090	1500 / 680	1500 / 680	1800 / 820
Shot Size (lbs/kg)	25 / 11.4	50 / 22.8	50 / 22.8	50 / 22.8	100 / 45.5	50 / 22.8	50 / 22.8	75 / 34
Nozzle Provisions	4-8	8	16	16	32	18 - 24	18 - 24	18 - 24

Robot Type								
Side Entry w/Conveyor (Optional Stack)	Included	Included		Included		Included	Included	Included
Top Entry Stacking			Included		Included			
Resin Handling (4-Component Blender Loaders w/Tilt Tables)	Included	Included	Included	Included	Included	Included	Included	Included
Nitrogen Gas Generator	Included	Included	Included	Included	Included	Included	Included	Included
Mold Cooling Water Chiller-Air Cooled	(1) Included	(1) Included	(2) Included	(2) Included	(2) Included	(2) Included	(2) Included	(2) Included

Mold(s)								
(1) Single Cavity-Alum or (3-Cavity Runner)	Included	Included				Included	Included	Included
(1) Stack Type Dual Cavity-Alum (w/ Mold Support Beam)			Included					
(2) Single Cavity-Alum or (3-Cavity Runner)				Included				
(2) Stack Type Dual Cavity-Alum (w/ Mold Support Beam)					Included			
Granulator	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Air Compressor	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Floor Space								
Right Angle (feet/meters)	20.5 x 23 / 6.5 x 7		27.5 x 29 / 8.5 x 9	N/A	N/A	29 x 24 / 9 x 7.5	29 x 24 / 9 x 7.5	N/A
In-Line (feet/meters)	33.5 x 18.5 / 10 x 5.5	30 x 40 / 9.1 x 12.2	44.4 x 13 / 13.5 x 4	37.5 x 24.5 / 11.5 x 7.5	47.5 x 16 / 14.5 x 5	40.5 x 19.5 / 12.5 x 6	40.5 x 19.5 / 12.5 x 6	25 x 46 / 8 x 14

Estimated Electrical Consumption (Kwh at full capacity)	135	150	250	250	450	228	250	
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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. OTHER SPECIFICATIONS AVAILABLE ON REQUEST.