

# LUMINA **PALLATEER**

*Unquestionably the best way to make plastic pallets*



*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



## **HOME OF FOAM**

# LUMINA PALLATEER

## Specifications

US SPECIFICATIONS – UPDATED JULY 2018

Model	PM-1	PM-2	PM-3	PM-4	PM-5 (A)	PM-5 (B)	PM-6
<b>Pallet Size (max) (inches/mm)</b>	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
<b>Cycles/hour (Nominal)</b>	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
<b>Production/year</b>	240,000	480,000	480,000	960,000	200-240,000	200-240,000	200-480,000
<b>Mold Space (V x H) (inches/mm)</b>	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
<b>Clamping Force (tons/metric ton)</b>	300 / 265	400 / 330	500 / 415	600 / 500	400 / 350	400 / 350	800 / 7000
<b>Extruder Size (mm–L/D)</b>	90–30:1	130–30:1	130–30:1	6"/150mm–30:1	130–30:1	130–30:1	150–30:1
<b>Melting Capacity per hour of HDPE (Lbs/Kg)</b>	800 / 360	1500 / 680	1500 / 680	2400 / 1090	1500 / 680	1500 / 680	1800 / 820
<b>Shot Size (lbs/kg)</b>	25 / 11.4	50 / 22.8	50 / 22.8	100 / 45.5	50 / 22.8	50 / 22.8	75 / 34
<b>Nozzle Provisions</b>	4-8	16	16	32	18 - 24	18 - 24	18 - 24
<b>Robot Type</b>							
<b>Side Entry w/Conveyor (Optional Stack)</b>	Included		Included		Included	Included	Included
<b>Top Entry Stacking</b>		Included		Included			
<b>Resin Handling ( 4-Component Blender Loaders w/Tilt Tables)</b>	Included	Included	Included	Included	Included	Included	Included
<b>Nitrogen Gas Generator</b>	Included	Included	Included	Included	Included	Included	Included
<b>Mold Cooling Water Chiller-Air Cooled</b>	(1) Included	(2) Included	(2) Included	(2) Included	(2) Included	(2) Included	(2) Included
<b>Mold(s)</b>							
<b>(1) Single Cavity-Alum or (3-Cavity Runner)</b>	Included				Included	Included	Included
<b>(1) Stack Type Dual Cavity-Alum (w/ Mold Support Beam)</b>		Included					
<b>(2) Single Cavity-Alum or (3-Cavity Runner)</b>			Included				
<b>(2) Stack Type Dual Cavity-Alum (w/ Mold Support Beam)</b>				Included			
<b>Granulator</b>	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Air Compressor</b>	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Floor Space</b>							
<b>Right Angle (feet/meters)</b>	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
<b>In-Line (feet/meters)</b>	33.5 x 18.5/10 x 5.5	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
<b>Estimated Electrical Consumption (Kwh at full capacity)</b>	135	250	250	450	228	250	

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. OTHER SPECIFICATIONS AVAILABLE ON REQUEST.