WE CLAIM:

1. A mould set for fabrication of a pallet, comprising:

a modular platform mould (70) configured to act as a mould for a platform section of the pallet, wherein the modular platform mould comprises:

a bottom plate (80) of a pre-defined dimension;

a top plate (100) of a pre-defined dimension configured to fit on top of the bottom plate (80) while forming a hollow space (90), corresponding to dimension of the platform section of the pallet, between the top plate (100) and the bottom plate (80), wherein the hollow space (90) is configured to receive feed of polystyrene beads;

a modularity unit configured to alter dimension of the hollow space, wherein the modularity unit comprises

a first elongated panel (110a) comprising a plurality of first segments (120a), wherein the first elongated panel (110a) is oriented lengthwise on a first side of the bottom plate (80) and housed in the hollow space (90), wherein each of the plurality of first segments is configured to be independently operated laterally to move from a first position to a second position, thereby altering length of the hollow space (90); and

a second elongated panel (110b) comprising one or more second segments (120b), wherein the second elongated panel (110b) is oriented breadthwise on a second side of the bottom plate (80) housed in the hollow space (90), wherein each of the one or more second segments (120b) is configured to be independently operated laterally to move from a first position to a second position, thereby altering breadth of the hollow space.

2. The mould set for fabrication of a pallet as claimed in claim 1, wherein the bottom plate comprises a first set of a plurality of openings configured to receive feed of polystyrene

beads and guide the polystyrene beads into the hollow space (90) to form the platform section of the pallet.

3. The mould set for fabrication of a pallet as claimed in claim 2, wherein one or more opening of the first set of a plurality of openings are configured to be activated when positioned to guide the feed of polystyrene beads to an altered dimension of the hollow space.

4. The mould set for fabrication of a pallet as claimed in claim 1, wherein the bottom plate comprises a second set of plurality of openings configured to enable inlet and outlet of at least one of air, water and steam.

5. The mould set for fabrication of a pallet as claimed in claim 1, wherein the top plate comprises a third set of plurality of openings configured to enable inlet and outlet of at least one of air, water and steam.

6. The mould set for fabrication of a pallet as claimed in claim 1, wherein each segment of the plurality of first segments (120a) is configured to be independently operated laterally to move from the first position to the second position via a corresponding first set of levers (130a), wherein one or more levers of the first set of levers are mounted with respect to the corresponding plurality of first segments (120a) and configured to push or pull each segment of the plurality of first segments (120a).

7. The mould set for fabrication of a pallet as claimed in claim 1, wherein each of the one or more second segments (120b) are configured to be operated in the elongated direction along the second side within the hollow space (90) independently via a corresponding second set of levers (130b), where one or more levers of the second set of levers (130b) are mounted with respect to corresponding segments of the one or more second segments (120b) and configured to push or pull each of the one or more second segments (120b) to obtain a desired dimension of the hollow space.

8. The mould set for fabrication of a pallet of claim 1, wherein the mould set further comprises a leg mould (200) configured to act as mould to fabricate a plurality of leg support sections corresponding to the platform section of the pallet, wherein the leg mould comprises:

a bottom layer (150) comprising a plurality of inlets for at least one of air, water and steam, one or more drain outlets, and one or more openings to receive feed of polystyrene beads;

a mid layer (160) comprising a plurality of hollow cavities of a pre-defined dimensions, wherein bottom side of the mid layer (160) configured fit over top side of the bottom layer (150),

a top layer (190) comprising a plurality of inlets for at least one of air, water and steam and one or more drain outlets, and configured to fit on top side of the mid layer (160) while sealing the plurality of hollow cavities of the mid layer,

wherein sealed plurality of hollow cavities being configured to receive feed of the polystyrene beads via the one or more openings of the bottom layer (150) and shape the plurality of leg support sections.

9. The mould set for fabrication of a pallet of claim 8, wherein the leg mould further comprises one or more rings configured to fit inside the plurality of the hollow cavities and thereby alter dimension of the plurality of the hollow cavities for fabricating the plurality of leg support sections of the altered dimension.