



Simplifying the Art of Packaging



Wooden **Packaging**

pallets

boxes

crates

boxes

Nail less Boxes



www.punjpackaging.in



भारतीय पैकेजिंग इंस्टीट्यूट
INDIAN INSTITUTE
OF PACKAGING

NSIC
CERTIFIED CO.



Decide with Confidence

The Brand of Experience

C.E.O of the company has more than 30 Years of experience in the field of packaging.

- More than three decades of man experience.
- Third Generation in the Business.
- Experience and trained manpower.
- Wide spread Customers throughout India.



The Brand of Innovation

Always exploring the global market trends and ever changing technologies in the field of manufacturing.

- Automation always been a dream and working every now then to achieve the same.
- Always trying to promote use of Eco-Friendly raw material.
- First Ever Indian Company to use OSB (Oriented Strand Board) for Packaging.
- Nail-less Boxes*.
- Foldable Boxes*.



The Brand of Excellence

Achieving Excellence through the guidance by Our C.E.O and the Designing with taking Customer Demand at the Top.

- Always getting an appreciation from our prestigious client.
- Always putting our best efforts for Zero rejection and 100% Acceptance.
- Quality of manufacturing always being monitored.
- Design Development being appreciated by our Reputed Customers.

The Brand of Diversity

Our Customer are the leaders from their respective industries.

- Our customers varies form both Private & Public Sectors.
- From Automobile to Oil Sector and Electronic to Stone and many more...
- Have experienced the packaging and logistic process handled by the leaders.
- Diversified solutions from in house storage to Exports.



PALLETS

A pallet is a flat transport structure that supports goods in a stable fashion while being lifted by a forklift, pallet jack, front loader or other jacking device. A pallet is the structural foundation of a unit load which allows handling and storage efficiencies at the customers end. Goods or shipping containers are often placed on a pallet secured with strapping, stretch wrap or shrink wrap and shipped.



CLASSIFICATION OF PALLETS

- Plywood Pallets
- Pinewood Pallets
- Chip Block Pallets
- Pallet Collars
- Warehousing Pallets
- Export Pallets
- Heat Treated Pallets
- Euro Standard Pallets
- ISO Standard Pallets
- American Standard Pallets
- Australian Standard Pallets

Two Way Entry
Reversible



Two Way Entry
Close boarded, No Base Board



Two Way Entry
Wing Type



Four Way Entry
Close Boarded, 3 Base



1200 x 800 Euro Pallet



Four Way Entry
Perimeter Base



Four Way Entry
Wing Type



Four Way Entry
Close Boarded, Perimeter Base



Four Way Entry
Open Boarded, 3 Base



CLASSIFICATION ON THE BASIS OF TYPE

Although pallets come in all manner of sizes and configurations, all pallets fall into two very broad categories: "stringer" pallets and "block" pallets.

STRINGER PALLETS (REVERSIBLE/NON-REVERSIBLE)

Stringer pallets use a frame of three or more parallel pieces of timber called stringer.

The top deck boards are then affixed to the stringers to create the pallet structure.

Stringer pallets can have a notch cut into them allowing "four-way" entry.

BLOCK PALLETS (NON-REVERSIBLE)

Block pallets are typically stronger than stringer pallets.

Block pallets utilize both parallel and perpendicular stringers to better facilitate efficient handling.

CLASSIFICATION ON THE BASIS OF ENTRY

TWO-WAY ENTRY PALLET

Fork lift/Hand pallet truck can enter from the two fixed sides of the pallets.

FOUR-WAY ENTRY PALLET

Fork lift/Hand pallet truck can enter from any side of the pallet.

CLASSIFICATION ON THE BASIS OF DECK OR TOP

BOARDED

A pallet consisted of the covered deck with no voids.

WING TYPE

Deck extruded from the base of the pallet in any direction.

PLANKS

Deck assembled by using several planks to form a deck for storing material.

Experience

- We are into manufacturing pallets since the foundation Stone of our company has been laid.
- Last year we have manufactured over 100,000 pallets.
- Currently we can manufacture 200-400 Pallets per Day, depending upon the design and finish of the pallet required.
- We have worked for Indian Oil Corporation Ltd for the period of 2010-2012 as a vendor for the wear-house pallets on the tender basis.
- We are working with LML Limited, Kanpur since 2008 and earned a great experience from their contribution.

Innovation

- We actively participated in the design development of the wear-house pallets for Indian Oil, Polymer Plant, Panipat.
- We also developed a plywood pallet solution for the LML Limited, Kanpur to Cater their export requirement. The Pallets are European Standards used for Export.

Excellence

- The Excellence comes with the product quality, experience and completing the work in stipulated time frame.
- The Tender for 7500 Nos of pallets has been awarded to us to be finished in a period of 1 Year, But we have completed the work within in three month of time.
- Our aim is Zero Rejection and 100% acceptance by maintaining the quality standards.

Diversity

We manufacture all kinds of pallets from European Standards to custom made pallets taking an account of the customers requirement.

- Industries served
- Two-Wheelers
- Automobile
- Petroleum Products
- Food Industry
- Electrical
- Telecom
- Electronics

We have a large choice of raw material suitable to customer requirement. Some most common materials available with us are following.

- Hardwood (Eucalyptus)
- Pinewood/Radiata Pine (New Zealand)
- Plywood (Imported/Indian)
- E1 Grade Plywood
- ROHS Compliant Plywood
- OSB (Oriented Strand Board)

BOX

Boxes are often used for heavy duty packaging when high strength is needed for heavy and difficult loads long term warehousing may be needed Large size is required rigidity and stacking strength is critical. The strength of a wooden box is rated based on the weight it can carry before the cap (top, ends, and sides) is installed. "Skids" or thick bottom runners, are sometimes specified to allow forklift trucks access for lifting. Performance is strongly influenced by the specific design, type of wood, type of fasteners (nails, etc.), workmanship, etc.

CLASSIFICATION OF BOXES

NAILED WOODEN BOX

NAILED PLYWOOD BOX

PLYWOODEN CLEATED BOX

PLYWOOD CLEATED BOX

SKID BOX



CLASSIFICATION OF THE BOXES

NAILED BOXES (WOODEN/PLYWOOD):-

A nailed Wooden/Plywood box is constructed of pieces of lumber (sometimes with Reinforcing batons, cleats, etc.) attached by nails or other suitable fasteners. It usually completely encloses the contents. A box usually has a bottom and four side panels and often has an attachable top.

CLEATED BOX :-

A cleated box has five or six panel faces with Wood/Plywood strips attached to them. The panels can be made of plywood or solid wood etc. Wooden/Plywood cleats reinforce the panels.

SKID BOX :-

A skid box is a wood or Plywood/Wooden box attached to a heavy duty pallet or platform on a skid (parallel wood runners).

CLASSIFICATION OF THE MATERIAL:-

PLYWOOD/WOODEN BOXES:-

A ply/wooden box is constructed of pieces of ply/wood lumber. All the component such as reinforcing battens, cleats, surfaces, etc. are made up of the same material. Wood used can be a Hardwood or Softwood.

PLY-WOOD BOX:-

A ply-wooden box is constructed with the different components pieces of woodlumber and plywood. All the component such as reinforcing battens, cleats, surfaces, etc. are made up of WOOD and in most of the cases surfaces of a box are made up of plywood.

EXPERIENCE

- We have an experience of manufacturing wooden boxes for more than two decades.
- Every year we are producing more than 100,000 pallets.
- Currently we can manufacture 200-400 Boxes per Day, depending upon the design and strength required.
- We have been working with Hero Moto Corp Ltd, from more than past two decades and taking care of all the export related design development and our group companies are responsible for the execution of packaging till the material is dispatched.
- We are manufacturing boxes for LML Ltd. for the export quality wooden packaging.
- We have a vast experience in the export related to Two-Wheelers Industry, Heavy Machinery, Stone Industry, Auto Spares etc.

INNOVATION:-

- Taking our experience into account, We are capable of doing an innovation in the ever growing field of packaging. We have proved this by developing the design and increasing the numbers of boxes a container can accommodate by doing very small changes without affecting the customers process.
- We are specialized in the SKD, CKD and CBU packaging related to the automobile industry.

EXCELLENCE

- The quality is always been a great factor affecting when it comes the export packaging. As the boxes do not only save the product. But also show the quality of packaging the exporter using to ensure the safety of their products.
- We are making international quality product keeping in mind the phyto-sanitary regulations.
- We are producing ISPM-15 standard product.
- We are using ROHS complaint raw material to maintain our quality and acceptance to our product world-wide.

DIVERSITY

- When it comes to wooden boxes there's a vast field of boxes that can be made.
- We are specialized in Export Worthy Packaging :
 - SKD (Semi-Knock Down Dispatch)
 - CKD (Complete-Knock Down Dispatch)
 - CBU (Complete Built Unit)
- We are currently manufacturing export compliant boxes for the following countries:
 - South America (Colombia, Peru)
 - India Sub Continent (Sri Lanka, Bangladesh)
 - Africa (South Africa, Kenya, Nigeria)
 - European Countries (Italy)



NAIL-LESS PACKAGING

As the name indicates the Nail-less Packaging is part of our unique offering. We offer a wide range of Nail-less boxes in terms of sizes, strength and durability suitable for the industry specific requirements. The Box is consisted of only two components i.e Plywood and Steel strips.

Product Highlights

- 1 Reduce Assembly Cost upto 70%
- 2 Lighter in Weight upto 40%
- 3 Clean Surfaces
- 4 No Skilled Workmanship Required
- 5 Delivered Folded
- 6 Reduces Transportation Cost
- 7 Also have an option of Reusable Packaging.
- 8 Compliant with E1 and E2 Emission Norms.

CLASSIFICATION OF NAIL-LESS BOXES ON THE BASIS OF THEIR ASSEMBLY

PUNJ PACK "TYPE A"

ALIASES: SIX PIECE ASSEMBLY OR FOLDABLE BOX OR BUCKLE BOX.

This box assembly usually consists of six parts. The parts are assembled together to make a box unit. It comprises of a bottom, top and a pair of Sides & Ends not joined together delivered separately. The sides and ends are then interlocked on the base with the help of a High Strength Galvanized Steel to provide the strength to the box.

PUNJ PACK "TYPE B"

ALIASES: THREE PIECE ASSEMBLY OR COLLAPSIBLE BOX.

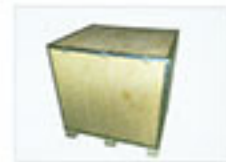
This box assembly usually consists of three parts. The parts are assembled together to make a box unit. It comprises of a bottom, top and all the four sides joined together with the help of Galvanized steel strip providing it the strength and flexibility to with stand the design load and simplifying the process of box assembly.

PUNJ PACK "TYPE C"

ALIASES: FOUR PIECE ASSEMBLY OR FOLDABLE-BUCKLE BOX

This box assembly usually consists of four parts. As the name indicates quality of both A-B type boxes blended together to form a new class of product **FOLDABLE -BUCKLE** type of assembly. The set of four parts are assembled together to make a box unit.

It comprises of a bottom, top and a set of two sides joined together with the help of Galvanized steel strip providing it the strength and flexibility to with stand the design load and simplifying the process of box assembly.



CHOICE OF MATERIAL USED FOR SURFACES



RED FACE PLYWOOD



E1 GRADE WHITE FACE PLYWOOD



Indian White Plywood (Low Emission)



E1 GRADE OSB (ORIENTED STRAND BOARD)



MDF

CHOICE OF MATERIAL USED FOR REINFORCEMENT

- GALVANIZED STEEL STRIP
- STEEL STRIP (ROHS COMPLIANT) SUITABLE FOR ELECTRONIC COMPANIES.

PROCESS INVOLVED IN ASSEMBLING THE VARIOUS TYPES OF NAIL-LESS BOXES

PUNJ PACK "TYPE A"



BASE & TOP 1 PER BOX



SIDES 2 PER BOX



ENDS 2 PER BOX



PALLET 1 PER BOX (OPTIONAL)

PUNJ PACK "TYPE B"



BASE & TOP 1 PER BOX



FOLDABLE PART 1 PER BOX



PALLET 1 PER BOX (OPTIONAL)

BENEFITS AND FEATURES OF NAIL-LESS BOXES

- Easy to assemble.
- Highly customizable.
- Assembly cost is reduced by almost 70%.
- Light in weight as compared to the cleat box.
- Suitable for air cargo's by reducing the overall expenses on the product.
- Strong, Robust and Hard to break.
- The ROHS compliant steel & plywood can be used according to the customer's specification.
- Eliminating the use of wood in the box assures the product compatibility with Phyto-Sanitary regulations incorporated with ISPM-15 standards.
- PLC Machines are used for the precise cutting of the steel strips used for the consistency and highly precise accuracy in the product.
- Galvanized Steel is used to protect it from rusting.



Simplifying the Art of Packaging

follow us



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