

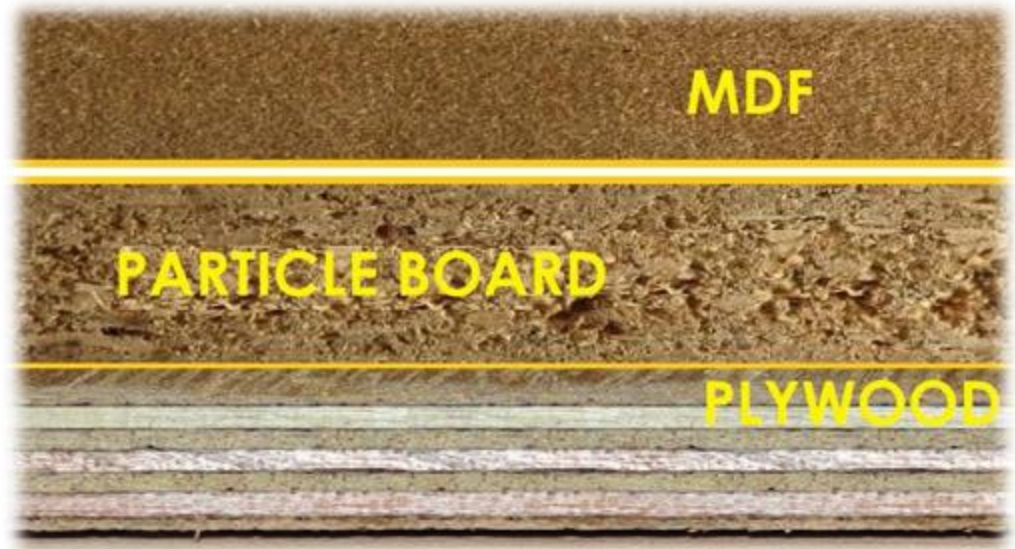
INTRODUCTION

- ▶ **Particle board** is also known as chop-board, is an engineered wood product manufactured from wood chips , sugarcane crush or even sawdust which is pressed and extruded.
- ▶ Particle board is produced from soft woods and used in panel form.
- ▶ Wood particles are bonded using synthetic adhesives and pressed into sheets.



ENGINEERING WOODS

- ▶ Engineered wood, also called mass timber, composite wood, man-made wood, or manufactured board.
- ▶ Engineered wood products are made from the same hardwoods and softwoods used to manufacture lumber.



LITERATURE REVIEW

SI.NO	NAME OF THE AUTHOR	NAME OF THE JOURNAL	YEAR	DESCRIPTION
1.	T.N. Valarmathi K. Palanikumar B.Latha	Measurement and analysis of thrust force in drilling of particle board (PB) composite panels	2013	The increase of spindle speed decreases the thrust force in drilling of PB panels, whereas the increase of feed rate increases the thrust force developed in drilling.
2.	T.N. Valarmathi	Modeling of Delamination in Drilling of Particleboard (PB) Composite Panels	2015	Delamination is the serious problem in the drilling of wood composite panels and can be minimized by adopting the proper cutting parameters

SI.NO	NAME OF THE AUTHOR	NAME OF THE JOURNAL	YEAR	DESCRIPTION
3.	Krzysztof Szwajka Tomasz Trzepieciński	An Examination of the tool life during Drilling Melamine faced Chipboard	2017	With an increase of both cutting speed and feed rate, the tool life decreases and vice versa.
4.	Tomasz Trzepiecinski	Effect of tool material on tool wear and delamination during machining of particleboard	2018	The increasing of wear parameter increasing the delamination area. The delamination at the hole exit was higher than at the hole entry. The delamination is linearly related to feed rate.

DRILL BITS



- ▶ Drill bits are cutting tools used to remove material to create holes.



DRILL BITS USED

- ▶ **Brad point drill bits** are specially designed to drill and bore clean holes in hard and soft woods.

REFERENCES



- ▶ T.N. Valarmathi, K. Palanikumar, B. Latha, Measurement and analysis of thrust force in drilling of particle board (PB) composite panels, *Measurement* 46 (2013) 1220–1230.
- ▶ T.N. Valarmathi, Modeling of Delamination in Drilling of Particleboard (PB) Composite Panels, *ISSN: 1662-7482, Vols. 766-767, pp 825-830.*
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A photograph of an outdoor wooden deck. The deck is made of light-colored wooden planks arranged in a herringbone pattern. To the left, there is a wooden planter box filled with lush green plants. The planter box is made of light-colored wood and is positioned against a white wall with horizontal siding. The text "THANK YOU..." is written in red, bold, serif font in the upper right corner of the image.

**THANK
YOU...**