

Cut List & Nesting Report

Professional Manufacturing Analysis

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Project Summary

PROJECT METRIC	VALUE
Total Parts	6
Unique Components	6
Material Sheets	4
Kerf Width	12mm
Material Efficiency	26.0%
Total Waste Area	8.81 m ²
Total Cost	SAR844.00

Materials Used

MATERIAL TYPE	SHEETS REQUIRED	UNIT COST	TOTAL COST
Black Shaker	1	SAR45.00	SAR45.00
Cherry Wood	1	SAR455.00	SAR455.00
Maple Wood	1	SAR144.00	SAR144.00
White Melamine	1	SAR200.00	SAR200.00

Unique Part Types

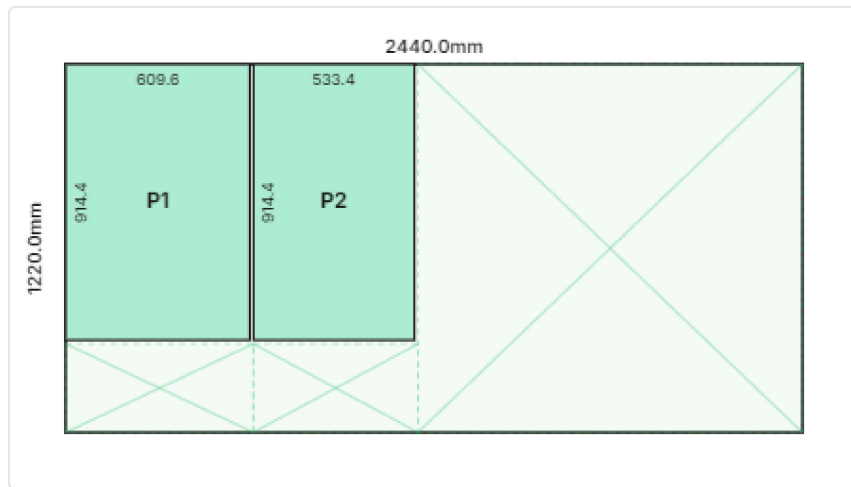
PART NAME	WIDTH (MM)	HEIGHT (MM)	THICKNESS (MM)	MATERIAL	GRAIN	QTY	AREA (M²)
Black_Panel_21x42#1	533.4	1066.8	19.1	Black Shaker	Any	1	0.6
Black_Panel_24x42#1	609.6	1066.8	19.1	Black Shaker	Any	1	0.7
Cherry_Panel_21x36#1	533.4	914.4	19.1	Cherry Wood	Any	1	0.5
Cherry_Panel_24x36#1	609.6	914.4	19.1	Cherry Wood	Any	1	0.6
Maple_Panel_24x30#1	609.6	762.0	19.1	Maple Wood	Any	1	0.5
White_Panel_24x24#1	609.6	609.6	19.1	White Melamine	Any	1	0.4

Sheet Inventory Summary

MATERIAL	DIMENSIONS (MM)	COUNT	TOTAL AREA (M²)	PRICE/SHEET	TOTAL COST
Black Shaker	2440.0 × 1220.0	1	3.0	SAR45.00	SAR45.00
Cherry Wood	2440.0 × 1220.0	1	3.0	SAR455.00	SAR455.00
Maple Wood	2440.0 × 1220.0	1	3.0	SAR144.00	SAR144.00
White Melamine	2440.0 × 1220.0	1	3.0	SAR200.00	SAR200.00

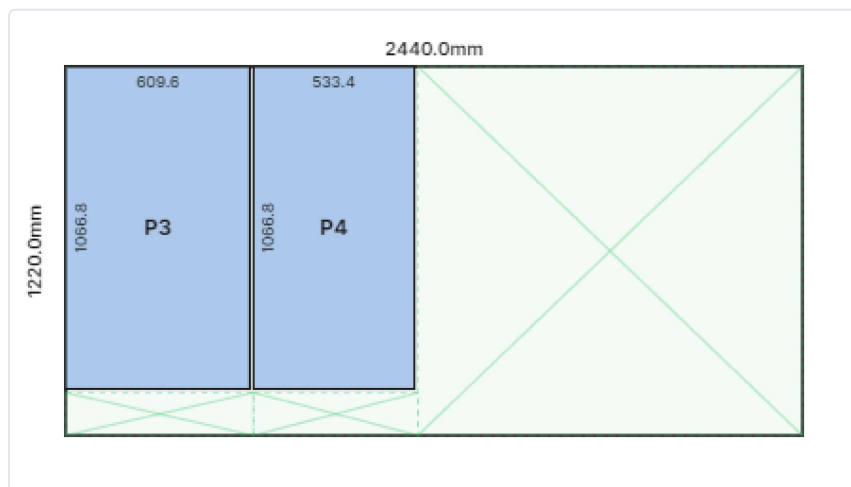
Cutting Diagrams

Sheet 1: Cherry Wood



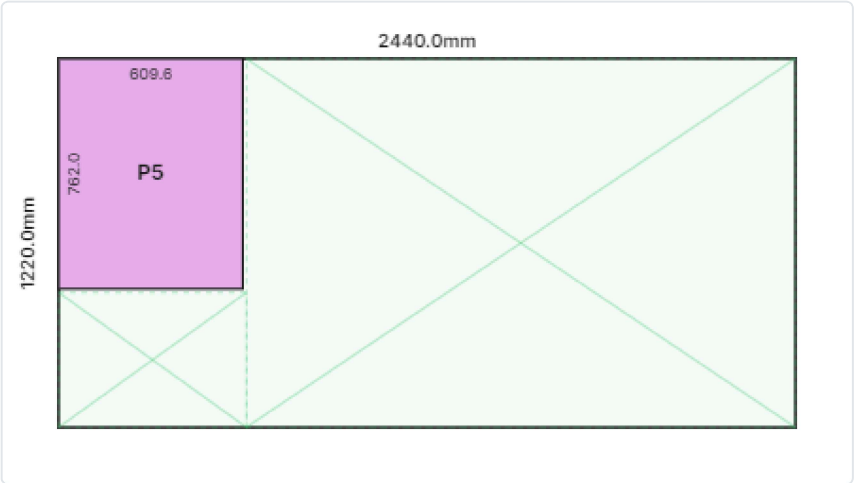
Efficiency: 35.1% / Waste: 64.9%

Sheet 2: Black Shaker



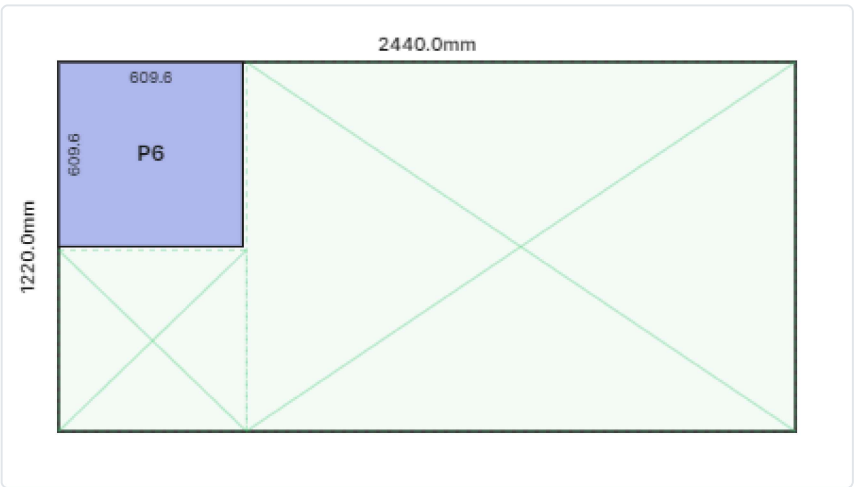
Efficiency: 41.0% / Waste: 59.0%

Sheet 3: Maple Wood



Efficiency: 15.6% / Waste: 84.4%

Sheet 4: White Melamine



Efficiency: 12.5% / Waste: 87.5%

Cut Sequences

Sheet 1: Cherry Wood

Stock Size: 2440 × 1220 mm

STEP	OPERATION	DESCRIPTION	MEASUREMENT
1	Setup	Prepare stock material	2440 × 1220 mm
2	Cut	Cut Cherry_Panel_24×3 6No.1 - Length	610 mm
3	Cut	Cut Cherry_Panel_24×3 6No.1 - Width	914 mm
4	Edge Band	Apply edge banding to Cherry_Panel_24×3 6No.1	None ()
5	Cut	Cut Cherry_Panel_21×36 No.1 - Length	533 mm
6	Cut	Cut Cherry_Panel_21×36 No.1 - Width	914 mm
7	Edge Band	Apply edge banding to Cherry_Panel_21×36 No.1	None ()

Sheet 2: Black Shaker

Stock Size: 2440 × 1220 mm

STEP	OPERATION	DESCRIPTION	MEASUREMENT
1	Setup	Prepare stock material	2440 × 1220 mm
2	Cut	Cut Black_Panel_24×42 No.1 - Length	610 mm
3	Cut	Cut Black_Panel_24×42 No.1 - Width	1067 mm
4	Edge Band	Apply edge banding to Black_Panel_24×42 No.1	None ()
5	Cut	Cut Black_Panel_21×42 No.1 - Length	533 mm
6	Cut	Cut Black_Panel_21×42 No.1 - Width	1067 mm
7	Edge Band	Apply edge banding to Black_Panel_21×42 No.1	None ()

Sheet 3: Maple Wood

Stock Size: 2440 × 1220 mm

STEP	OPERATION	DESCRIPTION	MEASUREMENT
1	Setup	Prepare stock material	2440 × 1220 mm
2	Cut	Cut Maple_Panel_24×30 No.1 - Length	610 mm
3	Cut	Cut Maple_Panel_24×30 No.1 - Width	762 mm
4	Edge Band	Apply edge banding to Maple_Panel_24×30 No.1	None ()

Sheet 4: White Melamine

Stock Size: 2440 × 1220 mm

STEP	OPERATION	DESCRIPTION	MEASUREMENT
1	Setup	Prepare stock material	2440 × 1220 mm
2	Cut	Cut White_Panel_24×24 No.1 - Length	610 mm
3	Cut	Cut White_Panel_24×24 No.1 - Width	610 mm
4	Edge Band	Apply edge banding to White_Panel_24×24 No.1	None ()

Usable Offcuts

SHEET #	MATERIAL	ESTIMATED SIZE	AREA (M ²)
1	Cherry Wood	1952 × 990mm	1.932
2	Black Shaker	1952 × 900mm	1.757
3	Maple Wood	1952 × 1287mm	2.512
4	White Melamine	1952 × 1335mm	2.605

Cut List & Part Details

PART ID	NAME	DIMENSIONS (MM)	MATERIAL	SHEET #	GRAIN	EDGE BANDING
P1	Cherry_Panel_24×36#1	609.6 × 914.4	Cherry Wood	1	Any	None
P2	Cherry_Panel_21×36#1	533.4 × 914.4	Cherry Wood	1	Any	None
P3	Black_Panel_24×42#1	609.6 × 1066.8	Black Shaker	2	Any	None
P4	Black_Panel_21×42#1	533.4 × 1066.8	Black Shaker	2	Any	None
P5	Maple_Panel_24×30#1	609.6 × 762.0	Maple Wood	3	Any	None
P6	White_Panel_24×24#1	609.6 × 609.6	White Melamine	4	Any	None