
MOLDART

OUR HERITAGE

Mr. Lalit Doshi
Managing Partner

Mr. Yash Doshi
Partner

Our company was founded more than 3 decades ago in 1989, under the dynamic leadership of Mr. Lalit Doshi. Over the years, we have established ourselves as India's largest manufacturer of press plates for low pressure and high pressure laminates. After more than 3 decades of first-hand information and experience in the wood-based panel manufacturing industry, we believe that we can provide end-to-end engineering and marketing solutions, which in-return will help the manufacturers be more competitive in terms of providing their customers with the right quantity, right quality, at the right time and at the right cost, both nationally and internationally.

VISION

"To create value for the customer,
enhance quality of products across
the entire wood-based panel
industry
and help spearhead India as
a global leader"

MISSION

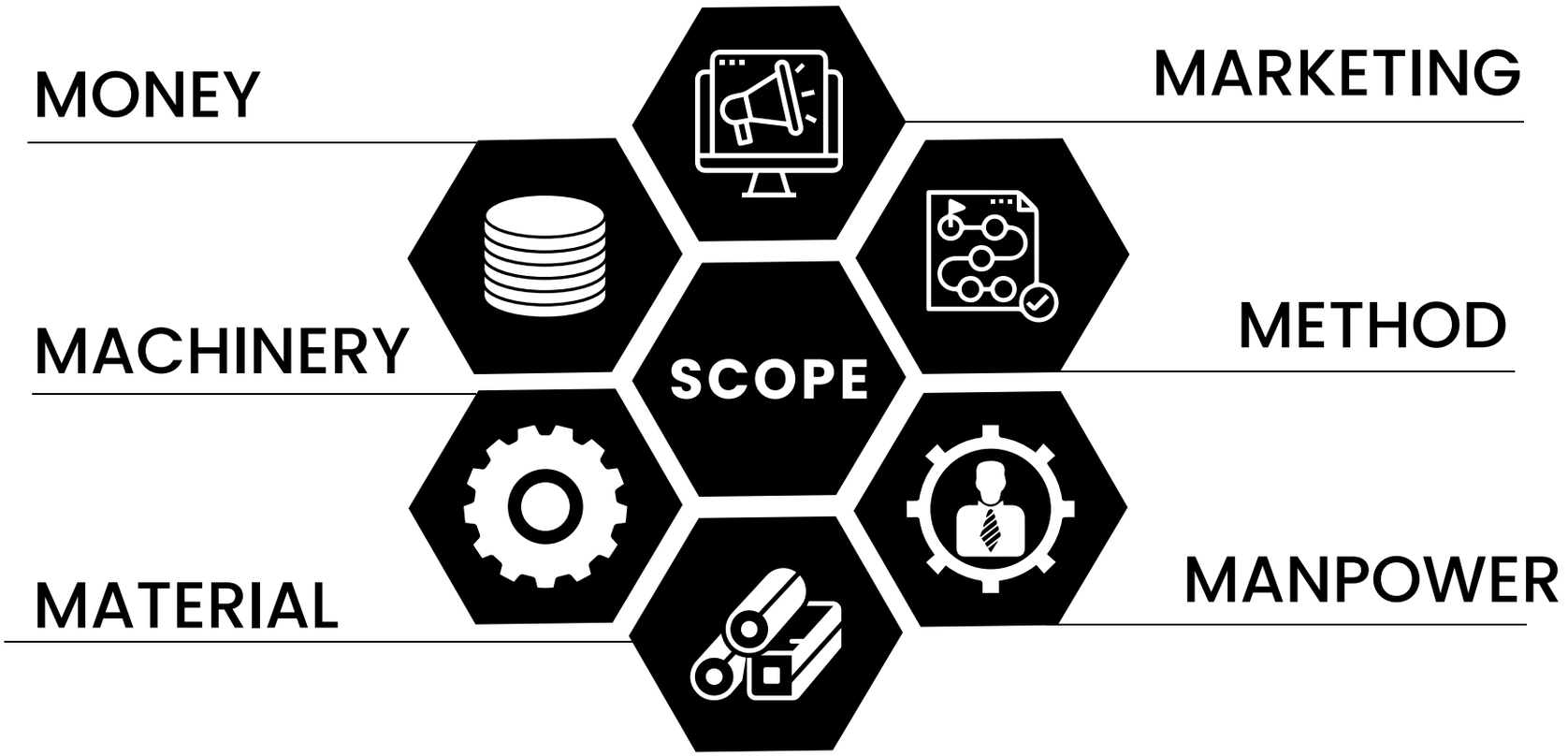
"To provide one-stop solution
to the wood based panel industry."

VALUES

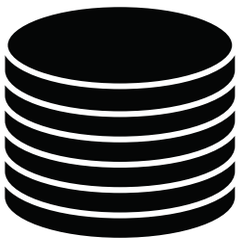
Customer
Friendly
Supportive
Innovative
Positive
Precise
Timely

OUR CUSTOMERS

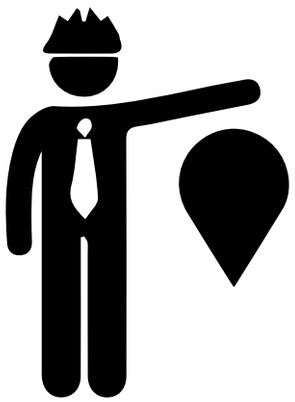

MAKEWELL
Siempelkamp
made in Germany
ARION
Board
10X4 FT.
DISCOVER
THE VERSATILE
BEAUTY


MONEY
MARKETING
MACHINERY
METHOD
SCOPE
MATERIAL
MANPOWER

MONEY

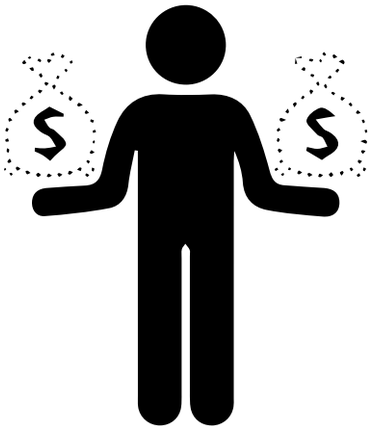


To help manufacturers extract maximum value from location (subsidy), license and loan.



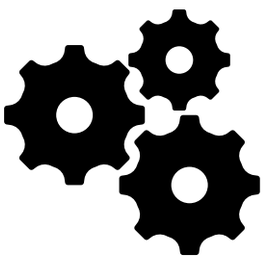
LOCATION

LICENCE



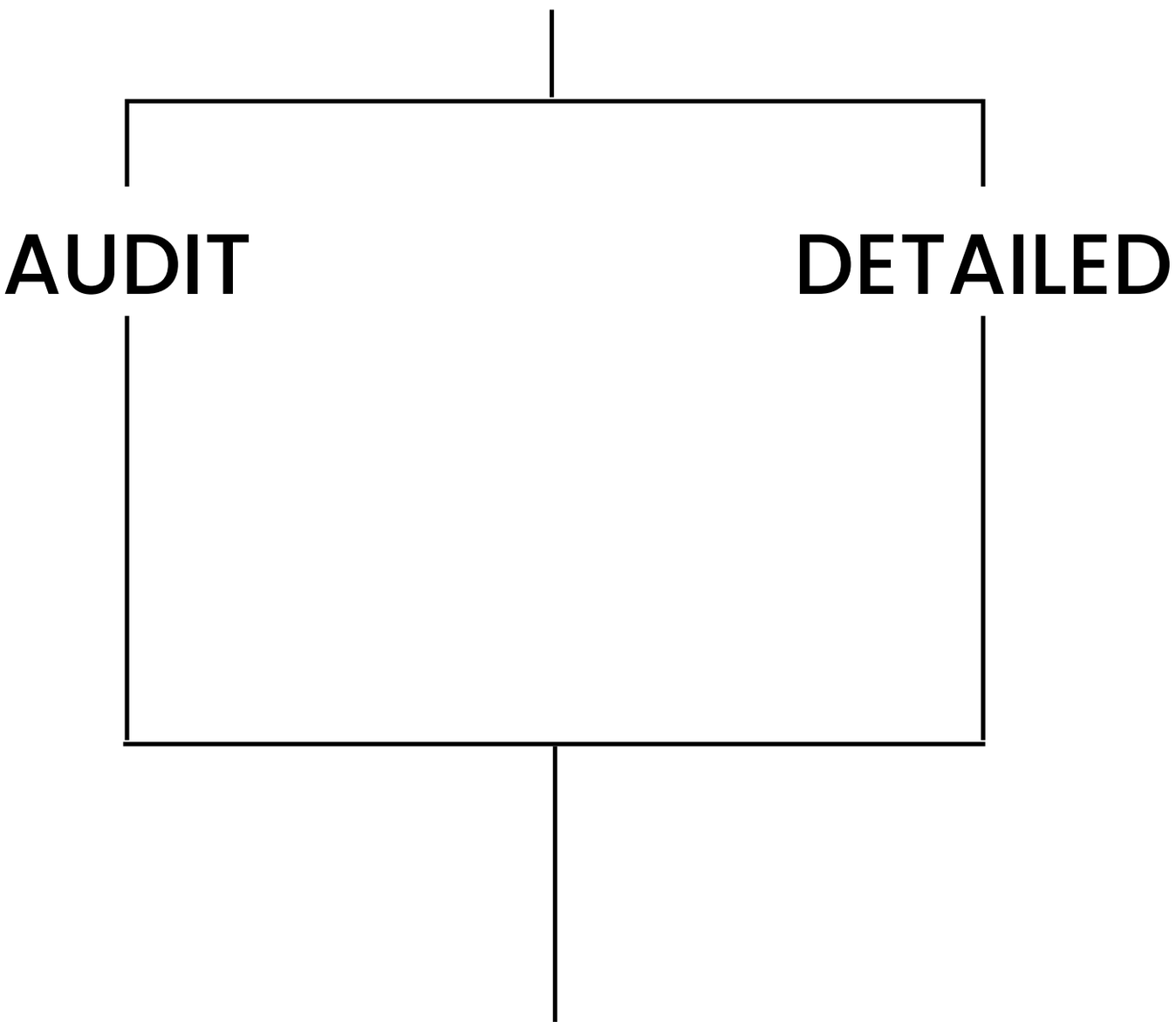
LOAN

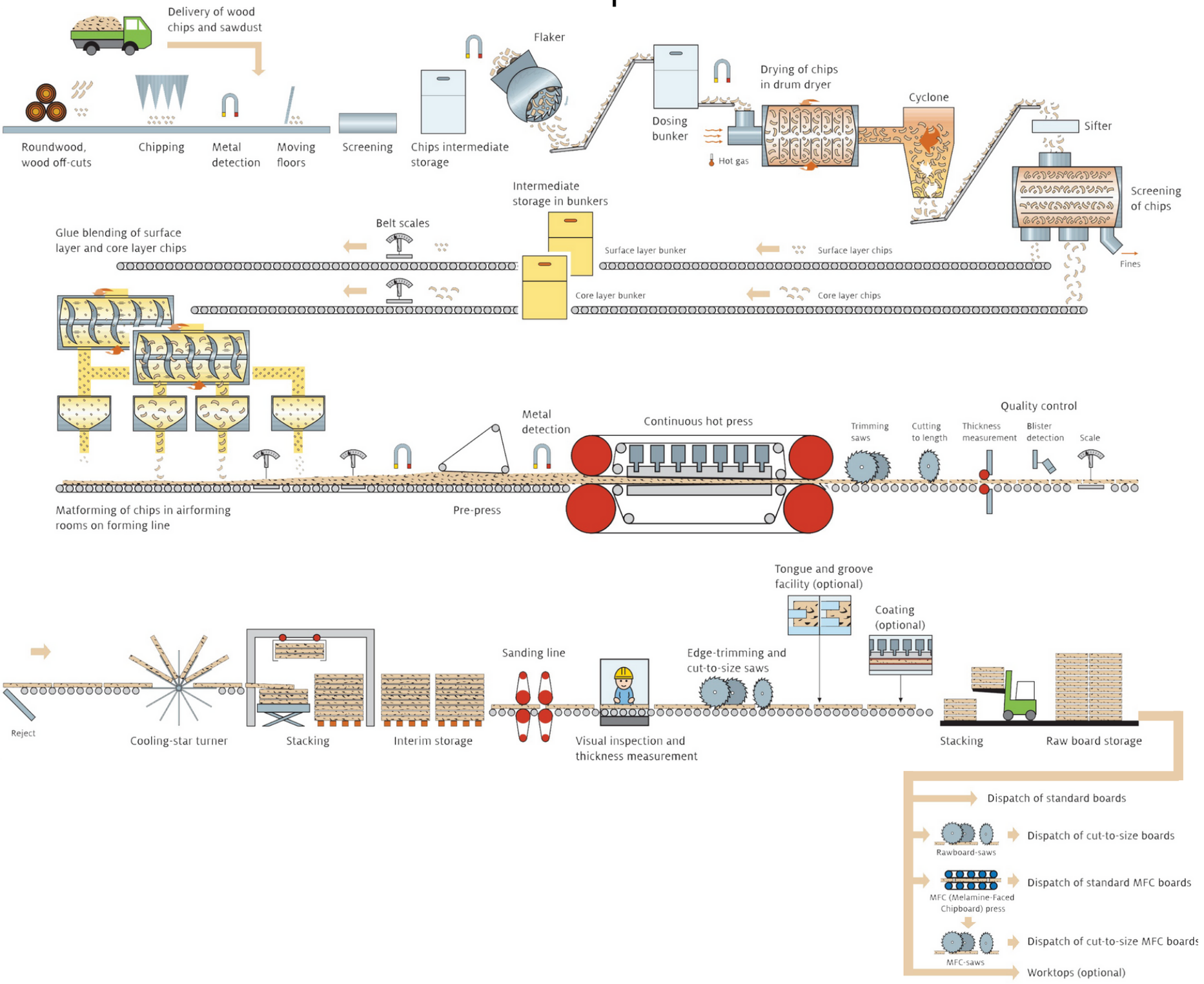
MACHINE



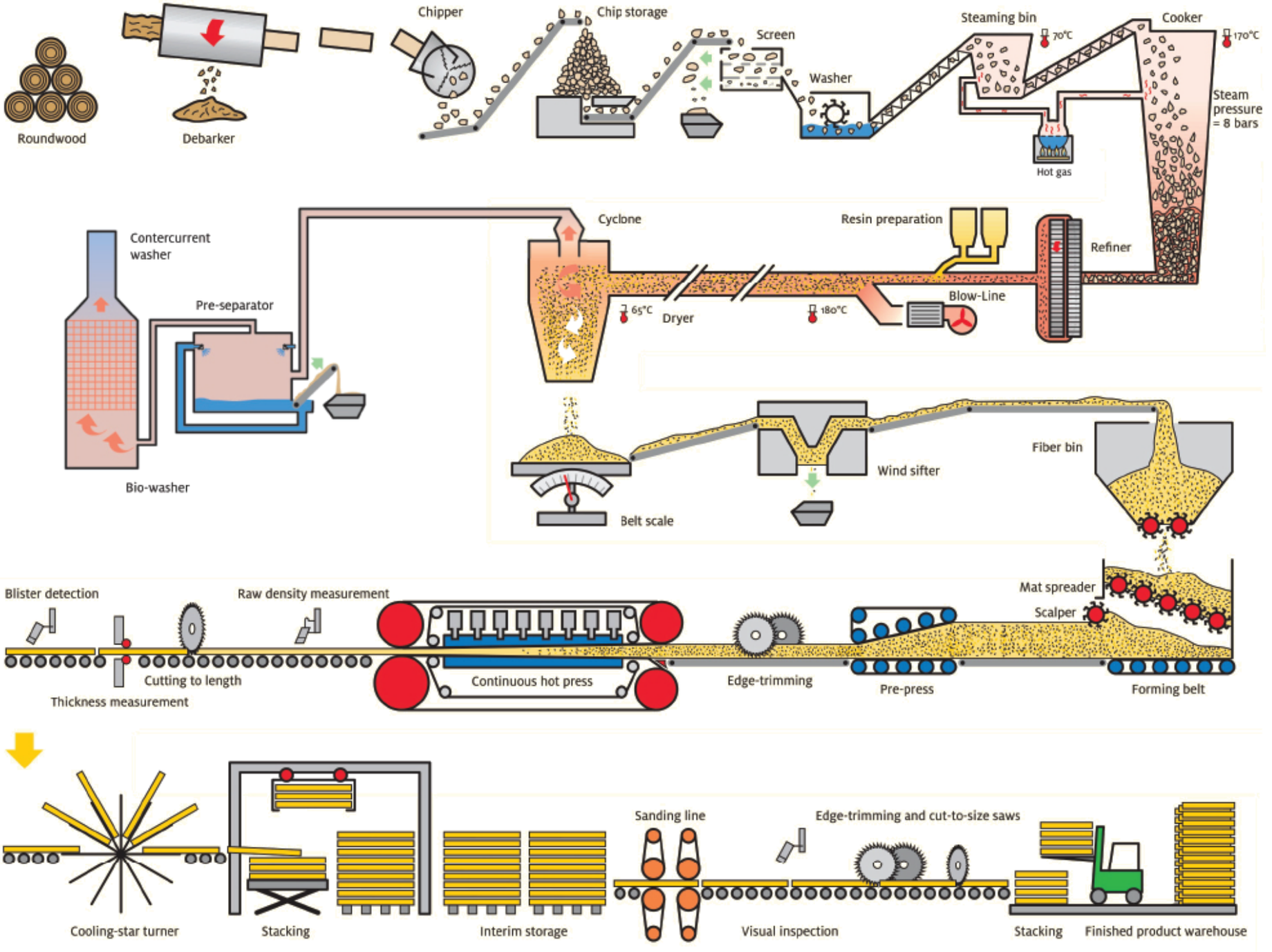
To help set-up manufacturing plants with world-class engineering practices.

ENGINEERING SOLUTIONS

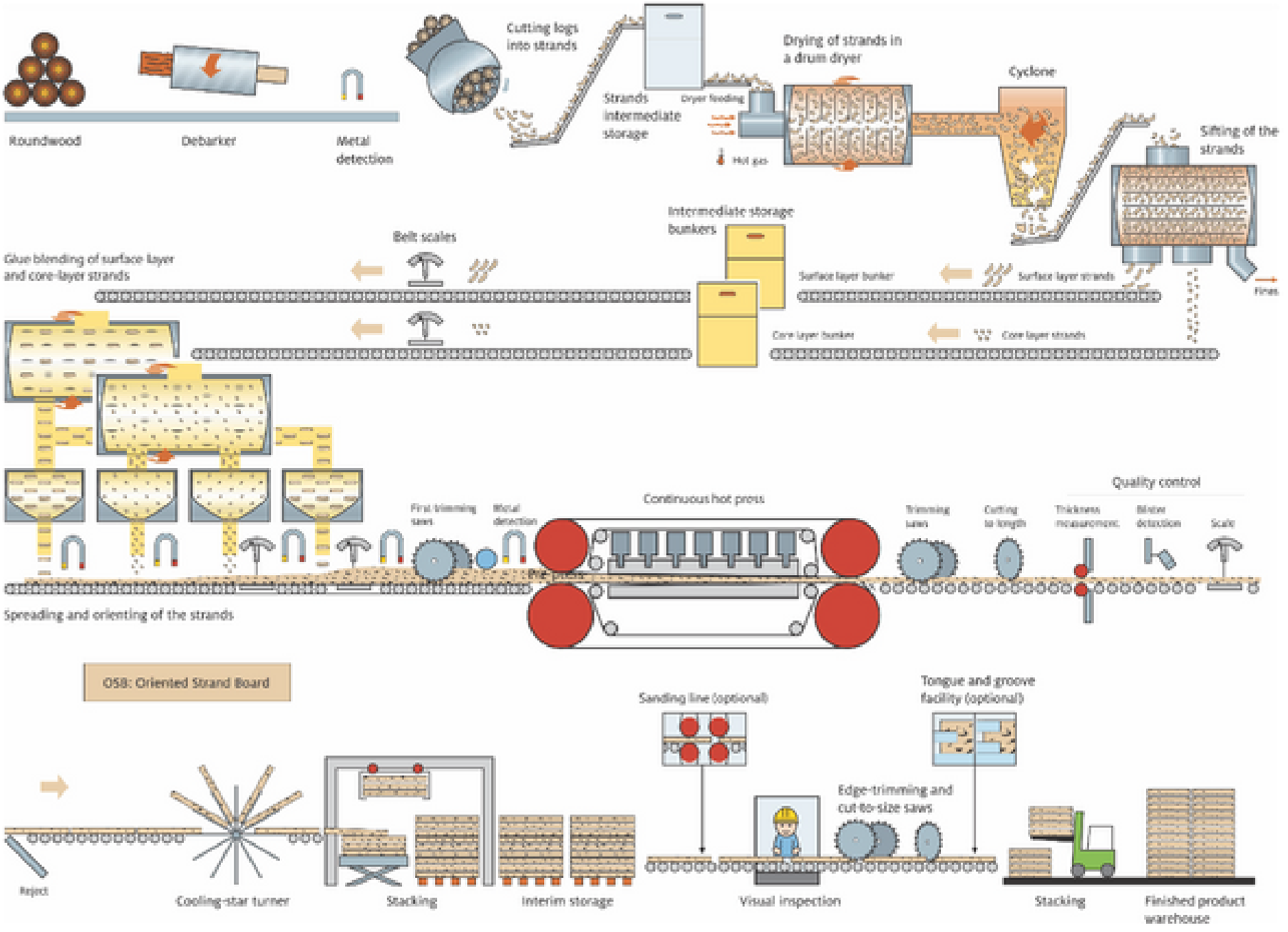




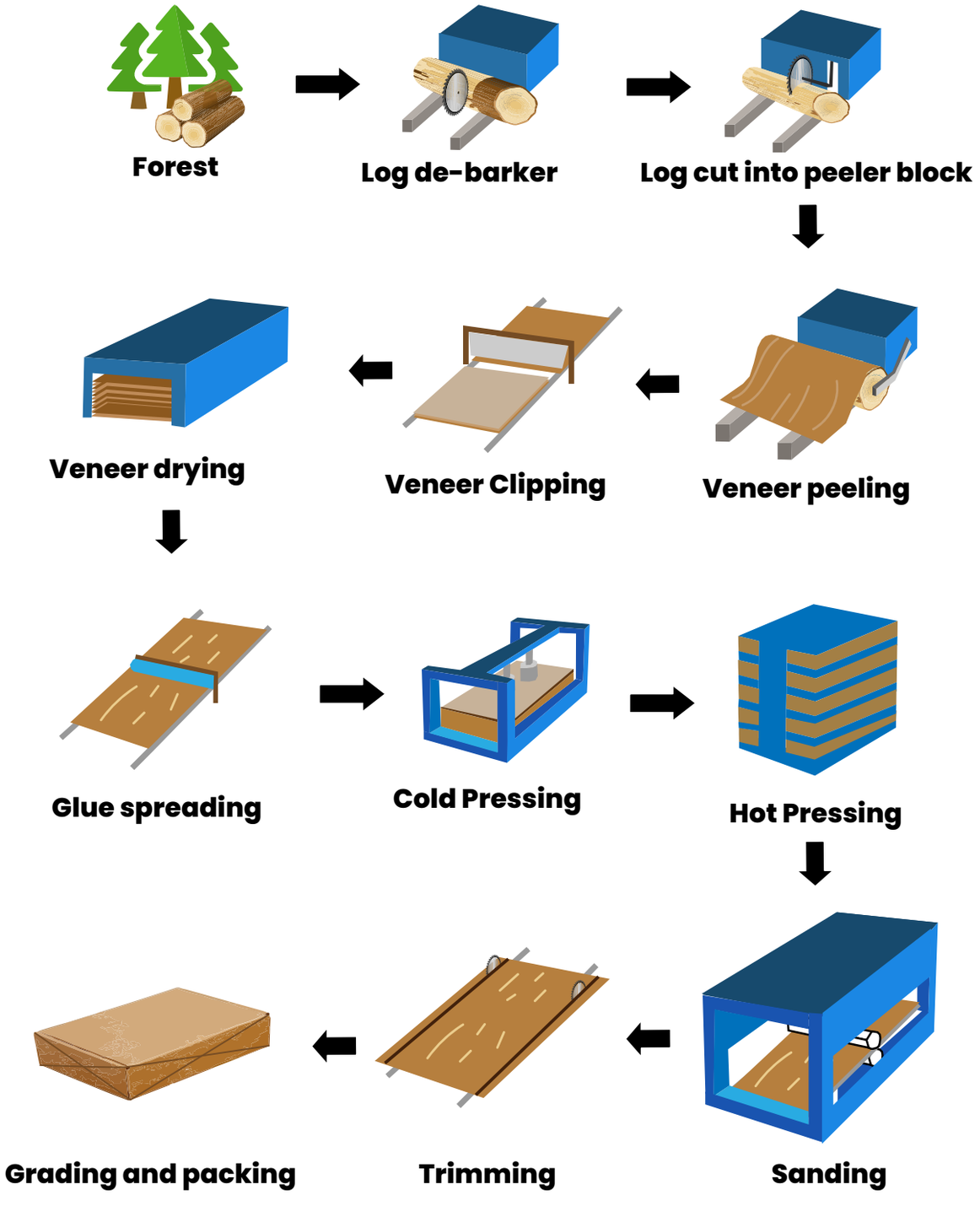
FLOW CHART OF A PARTICLE BOARD (PB) PLANT



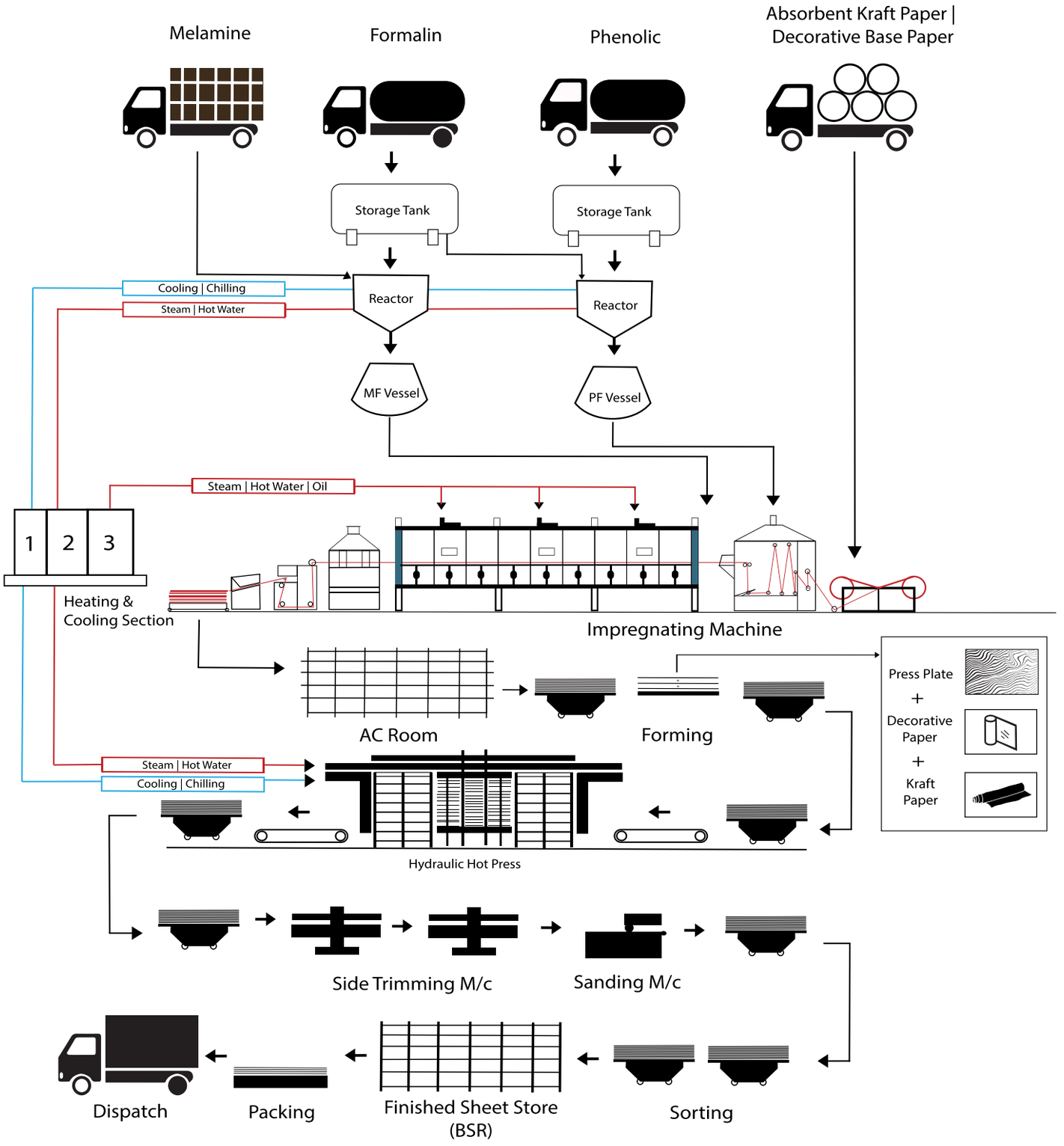
FLOW CHART OF A FIBER BOARD (FB) PLANT



FLOW CHART OF A ORIENTED STRAND BOARD (OSB) PLANT



FLOW CHART OF A PLYWOOD (PLY) PLANT



FLOW CHART OF A HIGH PRESSURE LAMINATES (HPL) PLANT

MATERIAL

To provide materials (raw) with high efficiency and with low cost of production.


COAL

SPECIFICATION

	INDONESIA	USA
GCV (Kcal/Kg)	5076	7140
Total Moisture (pct)	26.28	6.94
Inherent Moisture (pct)	13.32	-
Ash Content (pct)	4.70	8.73
Volatile Matter (pct)	39.80	37.1
Total Sulphur (pct)	0.88	3.05
Hardgrove Grindablity (Index)	46	-
Size (mm)	0 - 50	0 - 50


PET COKE

SPECIFICATION

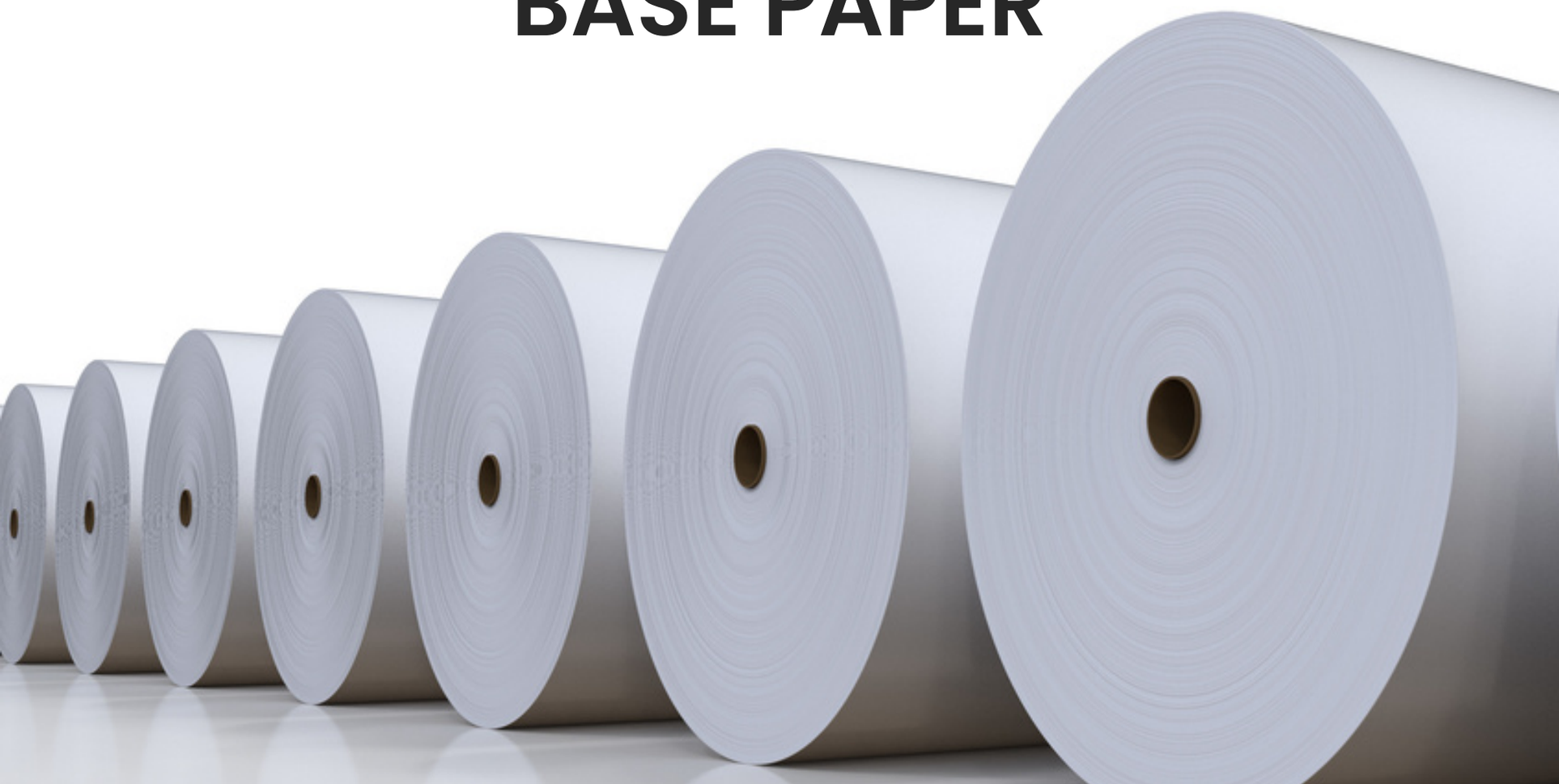
Total Sulphur on Dry Basis (wt %)	6.8
GCV (Kcal/Kg)	8506
Moisture (after initial drying) wt %	0.46
Ash (dry basis) wt %	0.40
Volatile Matter wt %	11.54
Fixed Carbon on dry basis wt %	88.06
Moisture as received basis wt %	6.7
Hardgove Grindability Index (HGI)	42

ABSORBENT KRAFT PAPER

SPECIFICATION

	GRADE A	GRADE B
GSM	120 - 150	120 - 150
COP (Seconds)	15 - 30	30 - 40
Water Kelmn (mm)	20 - 25	20 - 25
Ash (%)	1 - 2	7 - 8

BASE PAPER



SPECIFICATION

Grammage (g/m^2)	50 - 85
Width (feet)	4 - 6
Ash (%)	≥ 31
Smoothness (s)	170 - 220
Porosity (s/100ml)	≤ 18
PH Value	6.5 - 7.5
Wet Tensile Strength (N)	≥ 6
Dry Tensile Strength (N)	≥ 23
Light Stability	≥ 7
Moisture (%)	≥ 4
Resin absorption property (%)	105 - 110
Water absorption rate (s)	≤ 5


PRINTED PAPER

SPECIFICATION

Grammage (g/m) 2	60 - 85
Width (feet)	4 - 6
Ash (%)	28 - 32
Smoothness (s)	200 - 205
Porosity (s/100ml)	≤ 20
PH Value	6.5 - 7.5
Wet Tensile Strength (N)	≥ 6
Dry Tensile Strength (N)	≥ 23
Color Fastness (Grade)	≥ 6
Moisture (%)	≤ 4.2


PRESS PLATE

SPECIFICATION

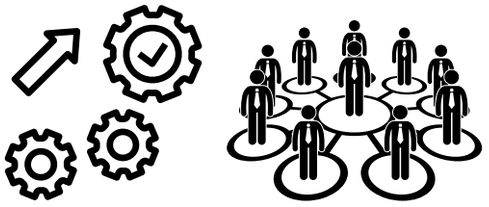
	SS304	SS633
Composition -	C 0.08% Cr 18% Ni 9%	C 0.09% Cr 17% Ni 10%
Volume Weight -	7.93	7.98
Tensile Strength (M Pa) -	520	1200
Hardness (HRC) -	18-20	38-42
Ductility (EL%) -	>40	>5
Thermal Conductivity (w/m.k) -	16.3	19
Thermal Expansion -	20 x 10/C	12 x 10/C
Max Dimension (mm) -	2040 x 7600	2040 x 7600
Thickness (mm) -	2 - 5	2 - 5
Note -	• Soft steel • Easy to scratch • Low price	• Hard steel • Difficult to scratch • Low price


PRESS PAD

SPECIFICATION

Material	Silicon rubber
Wires quantity	9 - 15
Thickness (mm)	2 - 3
Weight (gsm)	3500 - 4500
Working Temperature (*C)	0 - 240
Application	Low Pressure Laminates
Service life (Boards)	8,000 - 1,00,000
Width (mm)	1,300 - 3,000 mm
Thermal conductivity (Seconds)	18 - 50

METHOD, MEASUREMENT AND MANPOWER



To standardise and sustain manufacturing processes by placing the right manpower.

"The secret of my success is that we have gone to exceptional lengths to hire the best people in the world."

Steve Jobs

ISO

LEAN SIX SIGMA

INDUSTRY 4.0

"Almost all quality improvement comes via simplification of design manufacturing, layout, processes, and procedures.
Tom Peters

MARKETING

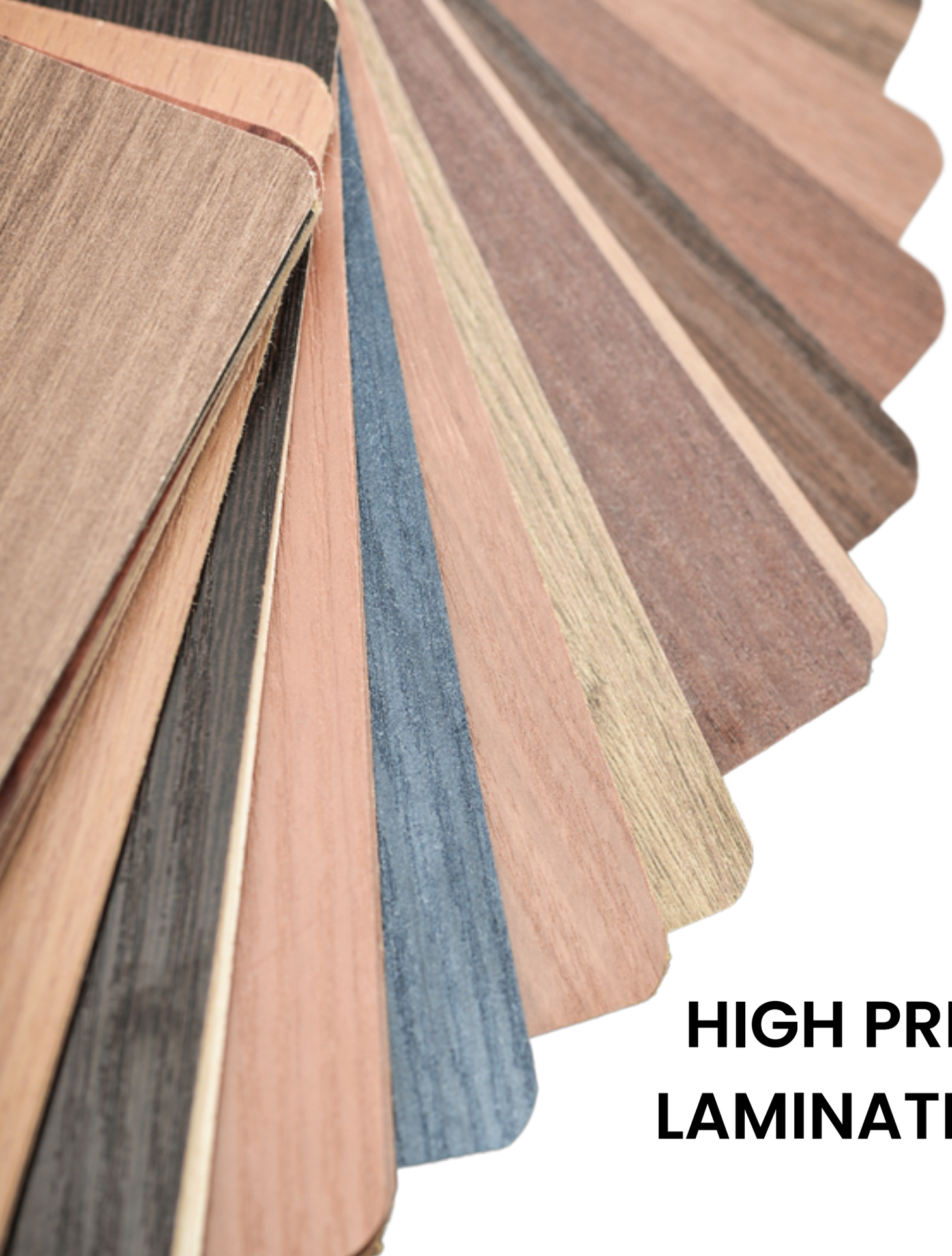
To provide high quality wood-based panels nationally and internationally.


B FACE
BB FACE
BIRCH PLYWOOD
CP FACE
C FACE

SPECIFICATION

Dimensions (mm)	Width: 1220 - 1525 Length: 1525 - 3000
Thickness (mm)	6 - 50
Grade of face veneer	B, S, BB, CP, C
Number of plies	from 3 up to 25 (depending on thickness)
Surface quality	sanded two sides S2, sanded one side S1 (except Cgrade)
Formaldehyde emission class	E1 (up to 8 mg per 100 g of bone-dry plywood)
Water resistance	MR (moisture resistant) or WBP (weather and boilproof) marked
Moisture content (%)	5 - 12
Ultimate shearing strength (MPa)	1.5

Note: - MR (Moisture Resistant), BWR (Boiling Water Resistant), BWP (Boiling Water Proof) and Shuttering Grade Plywood are available on request.



HIGH PRESSURE LAMINATES (HPL)

SPECIFICATION

Thickness Tolerance	± 0.10 mm
Length & Width Tolerance (mm)	+ 10mm / -0 mm
Resistance to Surface wear (Revolution (min))	IP≥150 / FP≥350
Resistance to immersion in Boiling water Appearance (Grade(min))	≥ Rating - 3 / ≥ Rating - 4
Resistance to Water Vapour (Grade(min))	≥ Rating - 3 / ≥ Rating - 4
Resistance to Dry Heat at 180 °C (Grade(min))	≥ Rating - 3 / ≥ Rating - 4
Dimensional Stability at elevated temp. (max. %)	≤ 0.55% / ≤ 1.05%
Resistance to Impact by Small –Diameter Ball	≥ 20 N
Resistance to Cracking	≥ Rating - 4
Resistance to Scratching (N (min))	≥ Rating - 3
Resistance to Staining (Grade(min))	Rating - 5 / ≥ Rating - 4
Resistance to Cigarette Burns (N (min))	≥ Rating - 3
Formability	≤ R - 10
Resistance to Blistering	≥ 10

MEDIUM DENSITY FIBRE BOARD (MDF)

PARTICLE BOARD (PB)

SPECIFICATION

Properties (Physical & Mechanical)	Specified as per IS 12823 : 1990
Length (mm)	2440 + 06/-0
Width (mm)	1840 + 03/-0
Thickness (mm)	18 ± 5%
Straightness (mm)/Meter	2 mm
Squareness (mm) Meter	2 mm
Appearance	No A, B, C defects
Density Kg/ Cu M	500 - 900
Density Variation % (Max)	± 10
Water absorption % (Max) **a.** 2 hours **b.** 24 hours	15 / 30
Thickness swelling %, 2 hours (Max)	8
Modulus of rupture N/Sq. mm (Min) Average	11
Modulus of Elasticity N/ Sq. mm (Min) average	2500
Tensile strength perpendicular to surface (Min), N/Sq. mm	0.3
Screw Withdrawl strength (Min) N **a.** Face **b.** Edge	1250 / 750
Moisture Content %	5 - 15
Abrasion Resistance (min) in no. of revolutions	450
Resistance to stream	Shall not show any sign of blister, delamination or change in surface finish
Crack Resistance	Shall not show any sign of cracks ordelamination
Resistance to Cigarette Burns	Shall not leave any mark or stain
Resistance to Stains	Shall not leave any mark or stain

Note: Pre-Laminated Board conforms to IS 12823 : 1990 Grade II, Type II


ORIENTED STRAND BOARD (OSB)

SPECIFICATION

Density (kg/m)3	620/640 ± 5%
Length/width deviation (mm)	+0 to -2
Thickness deviation - unsanded (mm)	± 0.8
Thickness deviation - sanded (mm)	± 0.3
Squareness (tolerance) (mm/m)	3
Straightness (mm/m)	0.6
Linear expansion (65-85% relative humidity)(%)	0.15
Thermal conductivity - “k” value (W/(m.k)	0.13
Reaction to fire (EN 13501-1)	Class D
Size (mm)	2440 x 1220
Thickness (mm)	8 - 25

OUR CONTACT

ADDRESS-

HEAD OFFICE - GOOGLE LOCATION
MANUFACTURING UNIT - GOOGLE LOCATION

CONTACT-

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