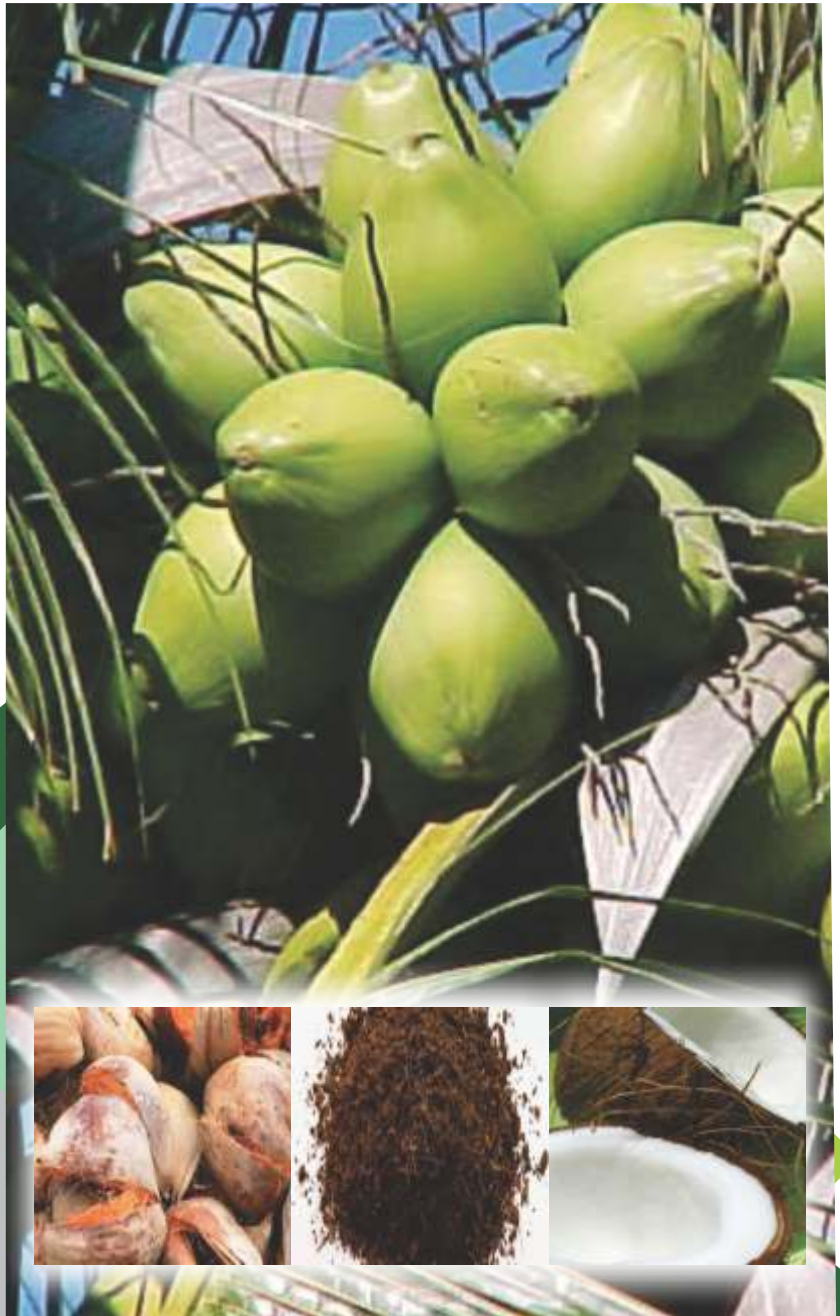




ESSAR ENGINEERS

INTEGRATED COCONUT PROCESSING TURNKEY PROJECTS



PROFESSIONAL HIGH QUALITY EFFICIENT MACHINES DESIGNED FOR
INTEGRATED COCONUT PROCESSING INDUSTRY

ENGINEERING EXCELLENCE



ABOUT US

Mr. Rajarathinam.K. graduated bachelor of Mechanical Engineering from Madurai Kamaraj University in India, has 9 years experience in Tool Engineering and 20 years of experience in manufacturing and installing equipments for processing Coconut Husk , Coconut Peat , Coconut Shell , Coconut Kernel and Coconut Water. Virgin Coconut Oil Processing Machines, Desiccated Coconut Powder Processing Machines.

We have done around 500 installation in coconut growing countries like India, Indonesia, Philippines, Srilanka , Brazil, Dominican Republic, Ghana, Mozambique, Ivory Coast, Thailand, Vanuatu etc ,.

We have partnered with **M/s - Berma Procesys Corp** in Philippines, And **M/s DSS Techno Solutions Pvt Ltd**, in Srilanka.

We Provide INTERGRATED COCONUT PROCESSING PLANT on Turnkey Basis for

- COCONUT FIBER
- COCO PEAT
- GEO TEXTILES
- COCONUT HUSK SUBSTRATES
- COCONUT SHELL CARBONIZING & ACTIVATING PLANT
- DESICCATED COCONUT POWDER PROCESSING PLANT
- COCONUT WATER PROCESSING PLANT
- COCONUT MILK PROCESSING PLANT
- WET VIRGIN COCONUT OIL PROCESSING PLANT
- DRY VIRGIN COCONUT OIL PROCESSING PLANT

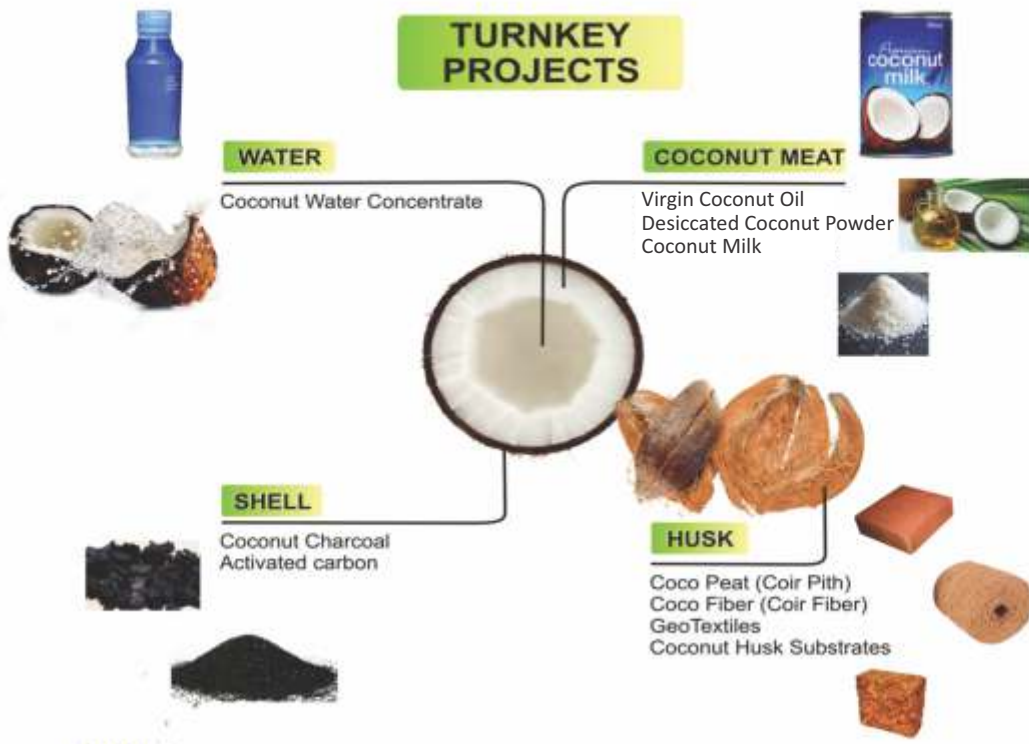
OUR MACHINES ARE APPRECIATED FOR ITS

- STURDY STRUCTURE
- LOW MAINTENANCE
- HIGH EFFICIENCY
- INTENSIFIED PROCESSING
- STUMPY COST OPERATION
- OPTIMUM OUTPUT

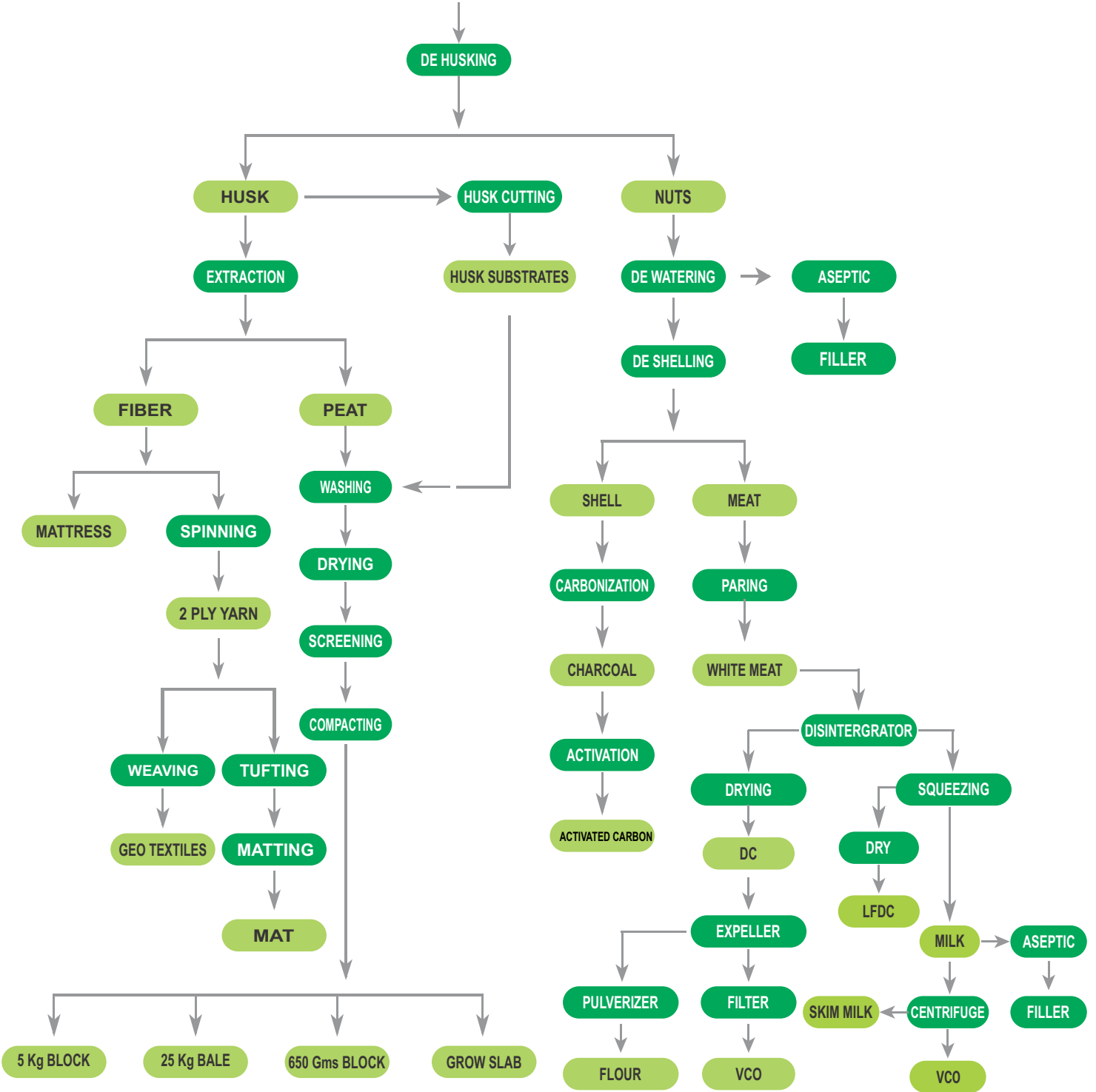


INTEGRATED FRESH COCONUT PROCESSING

WE TAKE UP TURNKEY PROJECTS



INTEGRATED COCONUT PRODUCT PROCESS FLOWCHART



MACHINES

PRODUCTS



COCONUT HUSK PROCESSING PLANT

FIBER EXTRACTION MACHINES



BEATER



SCREENER



DRIER



FIBER

COCONUT FIBER EXTRACTION PLANT

MODEL	ESSAR FM
PRODUCT	COIR FIBER
CAPACITY	6000 TO 7000 HUSKS PER Hr
POWER	150 TO 165 HP / 112.5 TO 123.75 kW

120 Kg FIBER BALE MACHINE



COIR FIBER 120 Kg BALE MACHINE

MODEL	ESSAR FB
PRODUCT	120 Kg COIR FIBER BALE
CAPACITY	12 TO 14 BALE PER Hr
POWER	40 + 2 = 42 HP/ 31.5 kW
PREMIUM LOADABILITY	24 TONS +



GEO TEXTILES MACHINES



COIR YARN SPINNING MACHINES



WILLOWING MACHINE



AUTO FEEDER



SPINNING MACHINE



AUTO WINDING MACHINE



SPOOLING MACHINE



2 PLY COIR SPINNING MACHINE

MODEL	ESSAR 2 PLY
PRODUCT	COIR 2 PLY YARN
CAPACITY	7 TO 12 Kg PER Hr
THICKNESS	0.5 mm
QUALITY	LOOSE TWIST AND HARD TWIST
POWER	3 + 2 + 1 – 6 HP / 4.5 kW

1 METER COIR LOOM



1 METER COIR LOOM

MODEL	ESSAR LOOM
PRODUCT	1 MTR WIDTH COIR LOOM
CAPACITY	10 RUNNING METER PER Hr



COCO PEAT AND SUBSTRATES MACHINES



COCO PEAT COMPACTING MACHINE

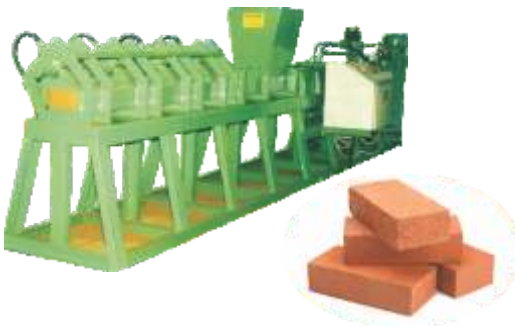
5 KG COCO PEAT BALE MACHINE



MODEL	ESSAR 5 KGS
PRODUCT	5 Kg COCO PEAT BALE
BALE SIZE	300 X 300 X 100 -120 mm
CAPACITY	100 - 110 BLOCKS PER Hr
COMPACTION RATIO	5 : 1
PRESS CAPACITY	100 TON
POWER	20 HP / 15 kW

COCO PEAT COMPACTING MACHINE

650 GMS COCO PEAT BRICK MACHINE



MODEL	ESSAR 650 GMS
PRODUCT	650 Gms COCO PEAT BRICK
BRICK SIZE	200 X 100 X 50 mm
CAPACITY	400 TO 450 PER Hr
COMPACTION RATIO	8 : 1
PRESS CAPACITY	80 TONS
POWER	30 HP / 22.5 kW

NEW GENERATION GROW BAG MACHINES

COCO PEAT COMPACTING MACHINE



COCO PEAT GROW SLAB MACHINE

MODEL	ESSAR GBM
PRODUCT	COCO PEAT GROW BAG SLAB
SLAB SIZE	1000 X 200 mm
CAPACITY	200 TO 280 SLABS PER Hr
COMPACTION RATIO	8 : 1
PRESS CAPACITY	250 - 500 TONS
POWER	25 HP - 45 HP

NEW GENERATION GROW BAG MACHINES

COCO PEAT COMPACTING MACHINE



25 KG BAG MACHINE

MODEL	ESSAR 25 Kg
PRODUCT	25 Kg COCO PEAT BAG
BAG SIZE	750 X 450 X 350 mm
CAPACITY	30 TO 35 BALES PER Hr
COMPACTION RATIO	1 : 3
POWER	7.5 HP / 5.6 kW



COCONUT SHELL PROCESSING PLANT



SHELL CHARCOAL PROCESSING MACHINES



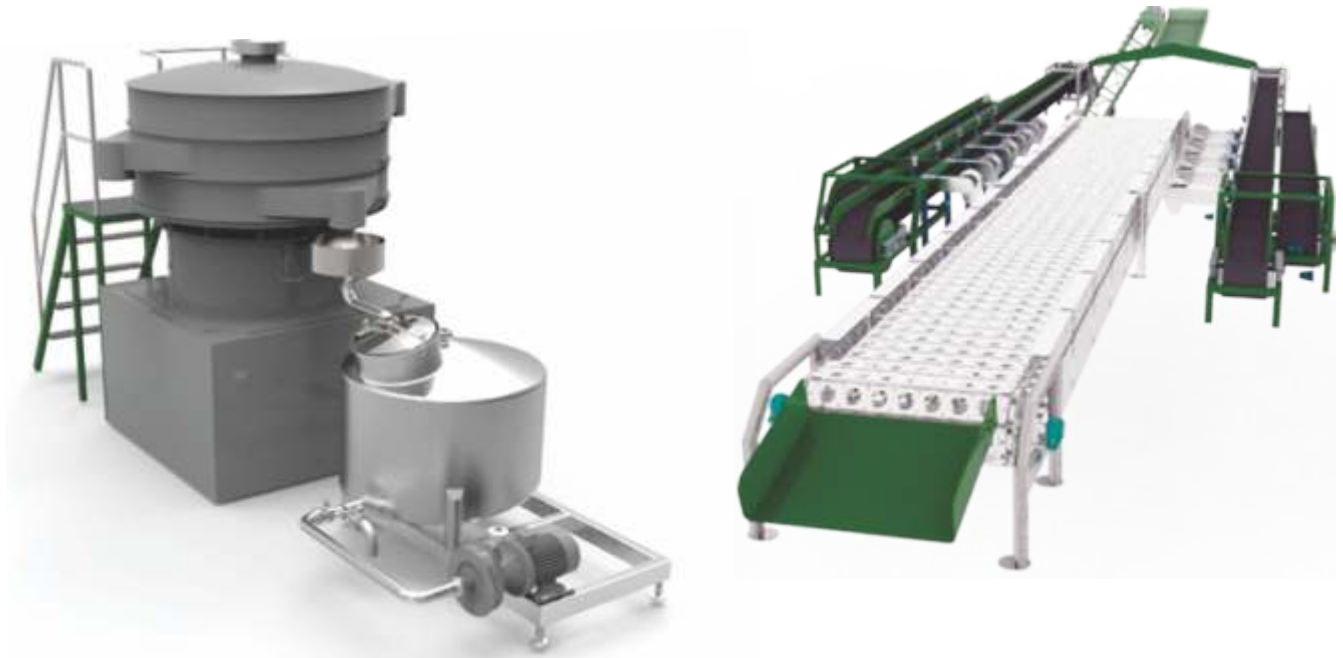
ACTIVATED CARBON MACHINE (KLIN)





COCONUT WATER CONCENTRATE PROCESSING PLANT

COCONUT WATER PROCESSING MACHINES



VIRGIN COCONUT OIL PROCESSING PLANT



COCONUT PRODUCTS PROCESSING MACHINES



DE HUSKING MACHINE



DE SHELLING MACHINE



WASHING TANK



DISINTEGRATOR



DRYER



DC COOLER



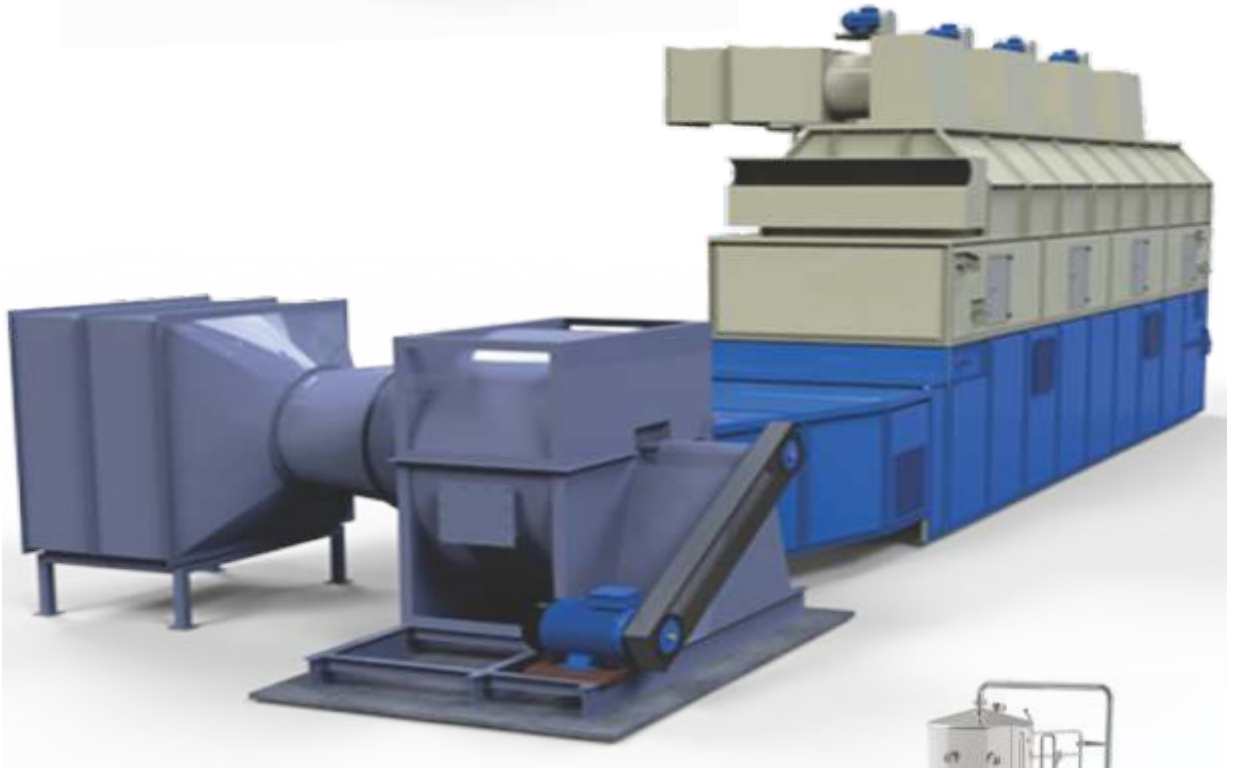
OIL EXPELLER



OIL FILTER



PULVERIZER





ANCILLARY EQUIPMENTS

AUTO FEEDER



BELT CONVEYOR

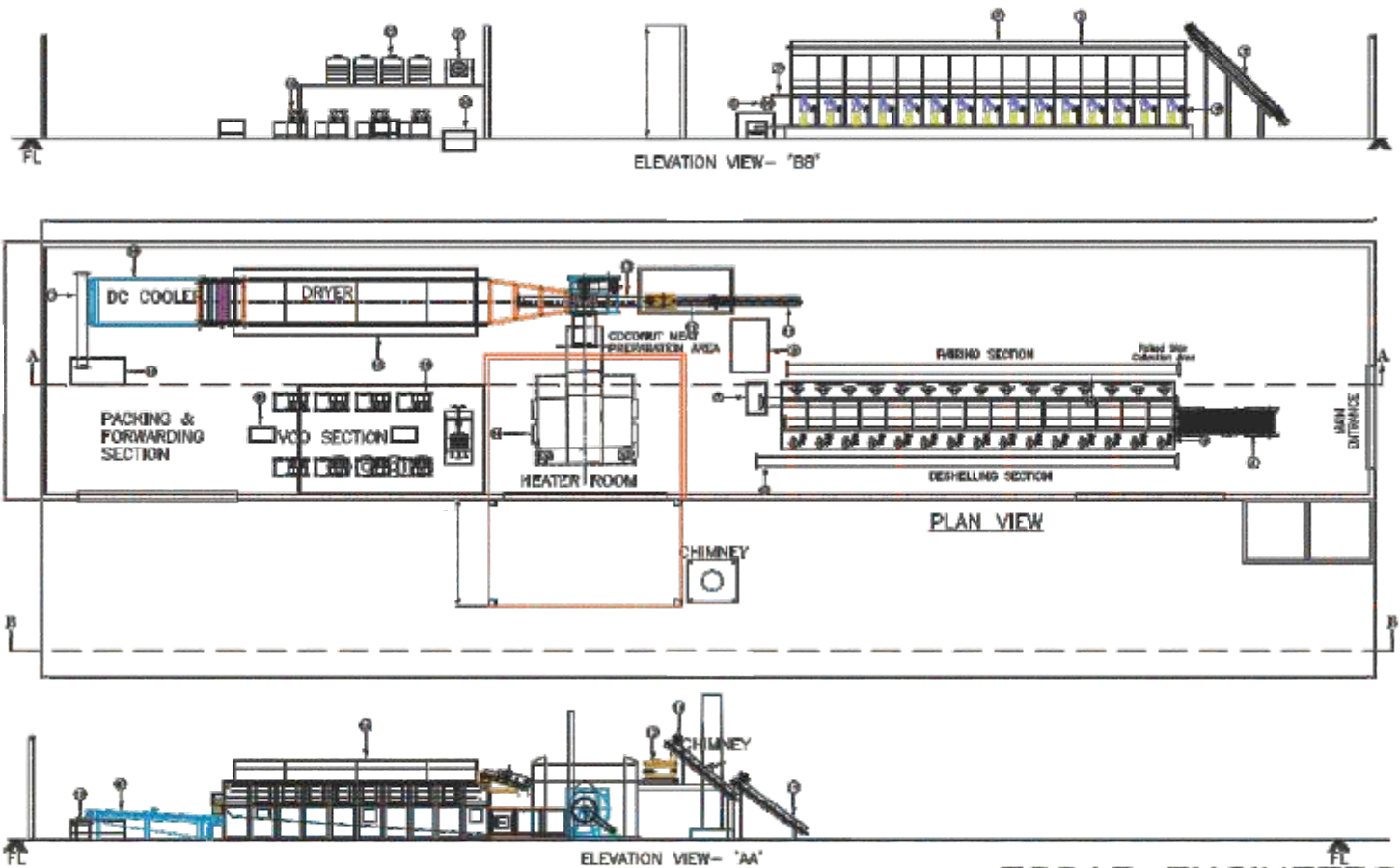


COIR FIBER DRIER



DE-WATERING CONVEYOR





ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
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INTEGRATED COCONUT PROCESSING TURNKEY PROJECT SERVICES

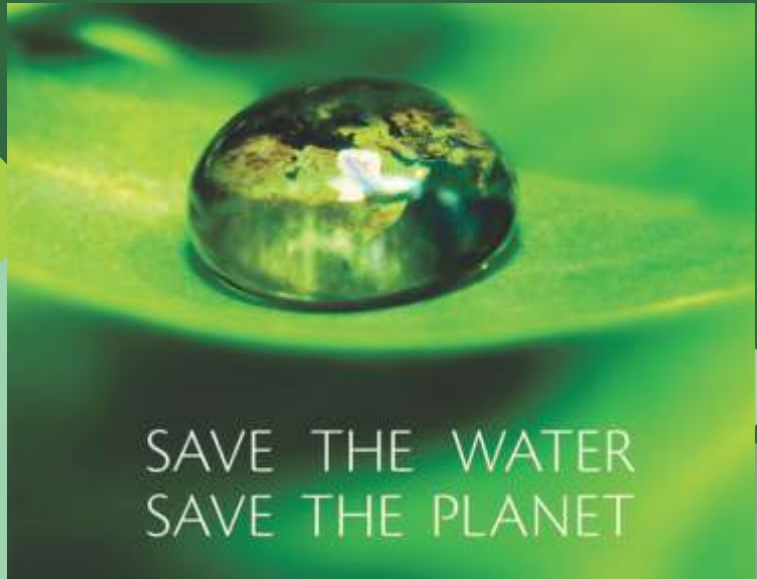
Why Us ?

- Plant Designing and Engineering
- Project Development
- Construction & Installation
- Testing & Commissioning
- Strong R & D Department
- Up Graded Production Unit
- Wide Distribution Network
- Valuable Clientele
- Prompt Delivery
- Reasonable Pricing
- After Sale Services



ENGINEERING EXCELLENCE

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