

EMPTY FRUIT BUNCH SHREDDER AND PRESS



SPECIALLY DESIGNED FOR BIOMASS BOILER AND OIL RECOVERY FROM EMPTY BUNCH

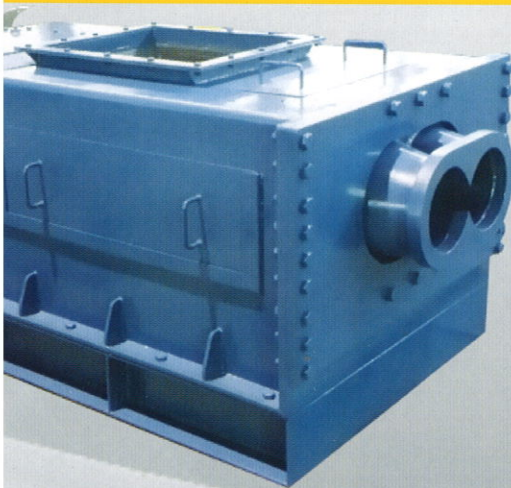


The system is designed to produce fibre suitable for biomass boiler, composting, etc., and to recover the oil from EFB. The EFB will be cut into smaller pieces before channelling to the pressing process. This arrangement will produce shorter and drier fibre and maximise the oil recovery.

Benefits:-

- 1.To recover oil from Empty Fruit Bunch
- 2.To produce EFB Fibre suitable for Boiler

THE EMPTY FRUIT BUNCH PROCESSING



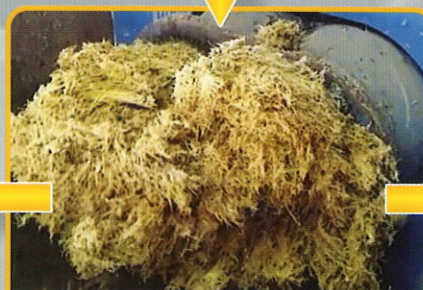
EFB SHREDDER



RAW EMPTY FRUIT BUNCH



SHREDDED FIBRE



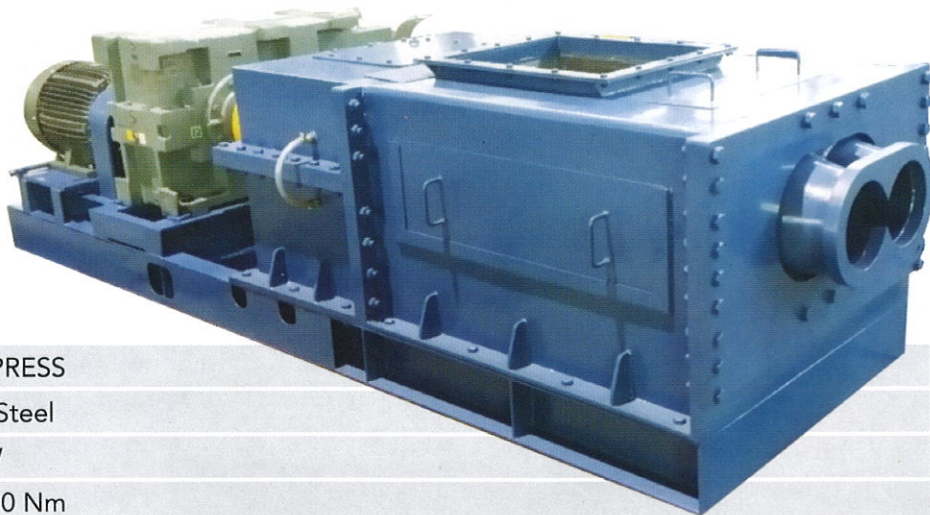
EFB PRESS



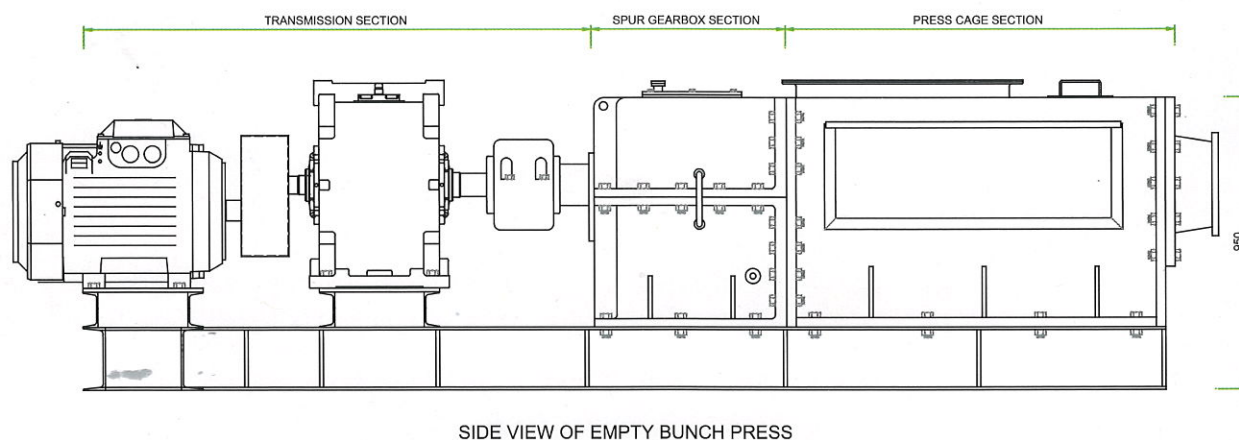
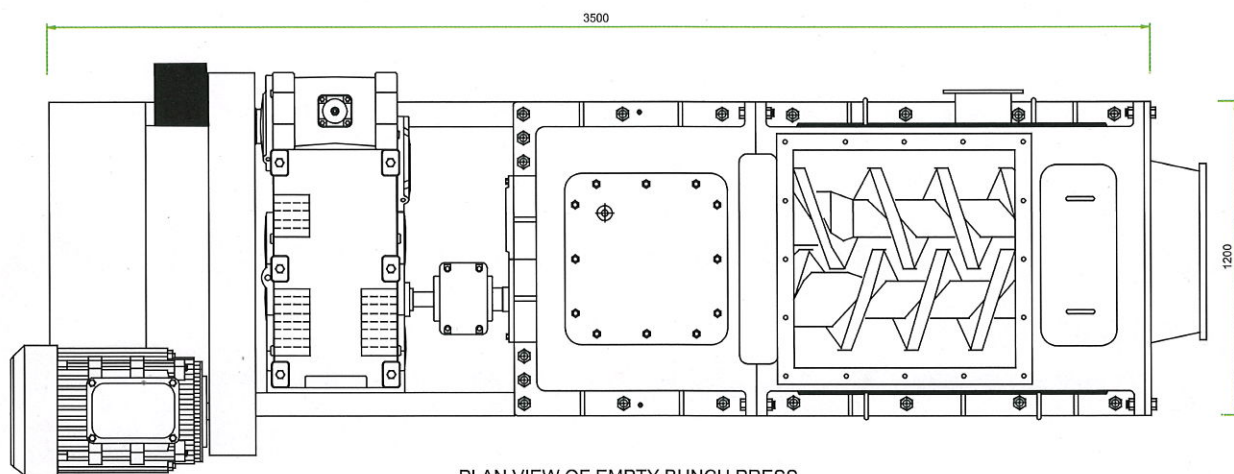
EFB PRESSED LIQUID

SPECIFICATION OF MACHINES

EMPTY FRUIT BUNCH PRESS



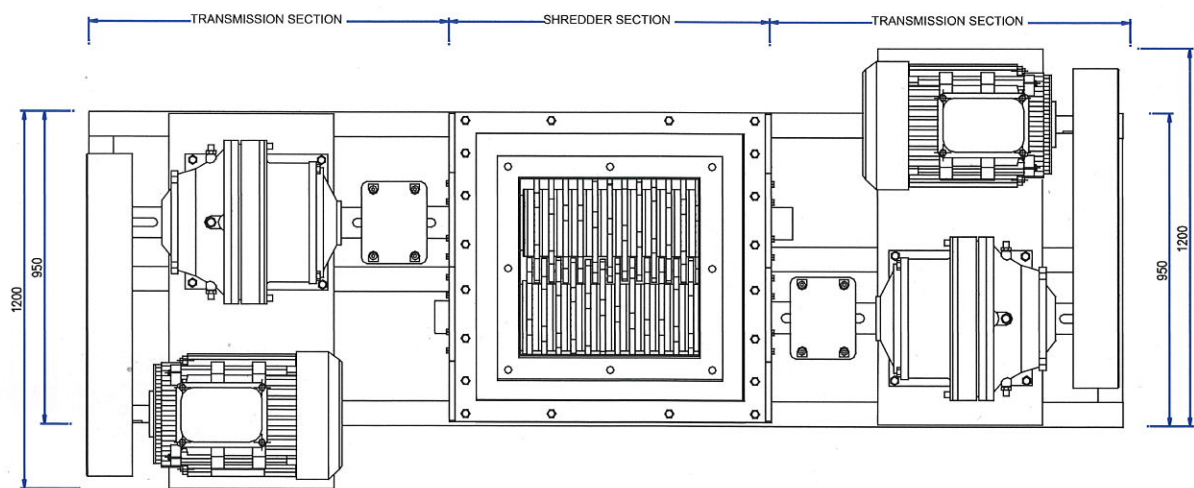
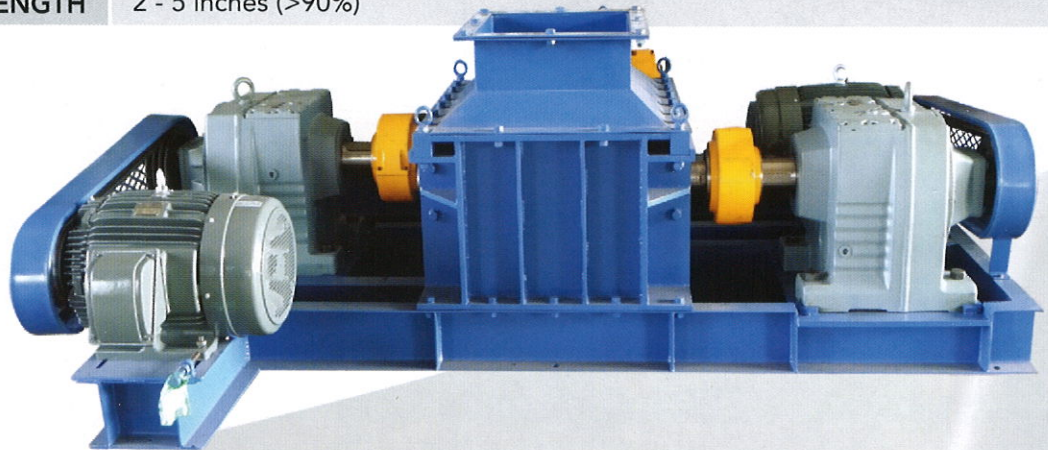
MACHINE NAME	EFB PRESS
BODY	Mild Steel
MOTOR	55kW
GEAR REDUCER	37,100 Nm
BEARINGS	SKF or equivalent
DRIVE	V-Belt and Pulleys
WORN SCREW	Cast Steel
PRESS CAGE	Mild Steel
CAPACITY	10 - 12 TPH of Shredded EFB Fibre (Equivalent to 45 TPH FFB)
MOISTURE CONTENT	45% $\pm$ 5% Moisture Content on Pressed EFB Fibre



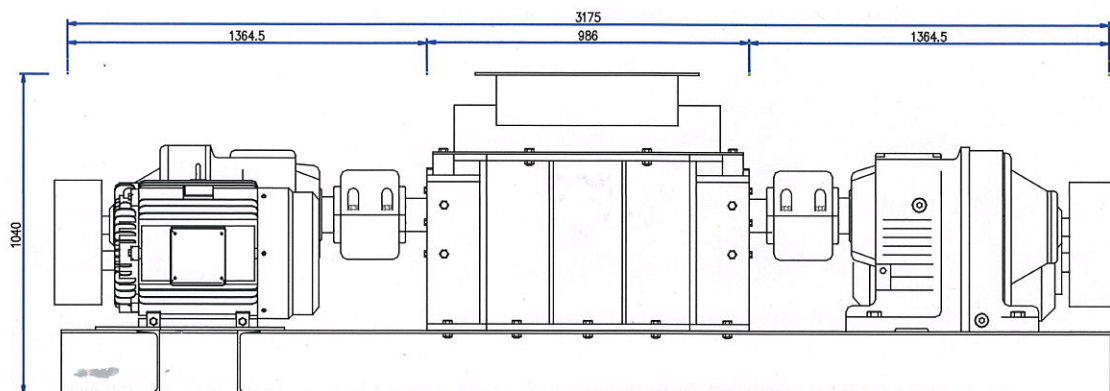
SPECIFICATION OF MACHINES

EMPTY FRUIT BUNCH SHREDDER

MACHINE NAME	EFB SHREDDER
BODY	Mild Steel
MOTOR	37kW, (Qty.: 2)
GEAR REDUCER	130,000 Nm (Qty.: 2)
BEARINGS	SKF or equivalent
DRIVE	V-Belt and Pulleys
CUTTER PLATE	24 pcs
CAPACITY	6 TPH of EFB (Equivalent to 25 TPH of FFB)
SHREDDED FIBRE LENGTH	2 - 5 inches (>90%)



PLAN VIEW OF EMPTY BUNCH SHREDDER

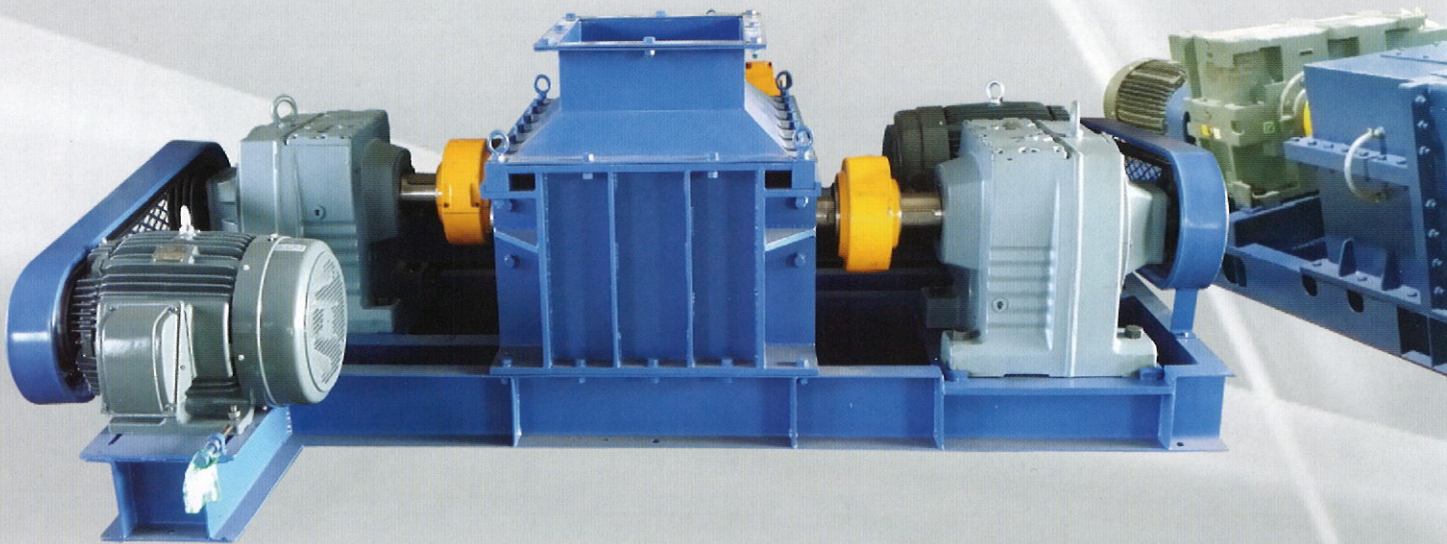
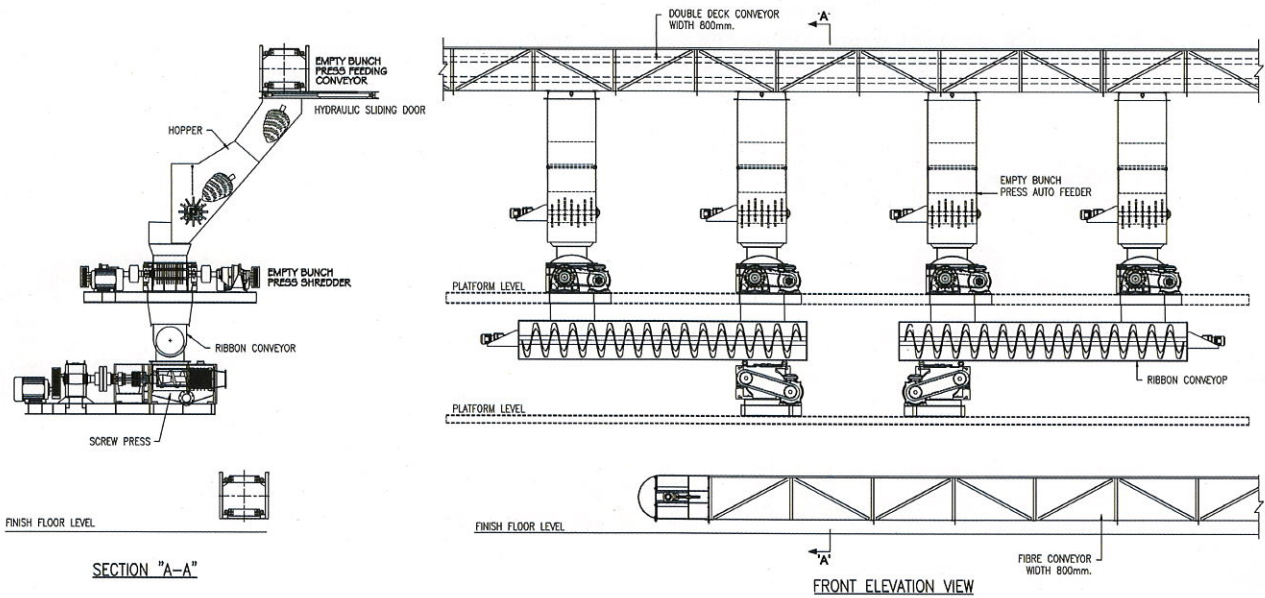


SIDE VIEW OF EMPTY BUNCH SHREDDER

CONFIGURATION OF MACHINES

MILL CAPACITY (TPH)	45	60	90	120
EB SHREDDER (UNIT)	2	4	4	6
EB PRESS (UNIT)	1	2	2	3

TYPICAL MACHINE LAYOUT



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