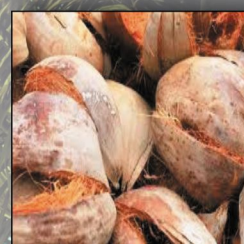
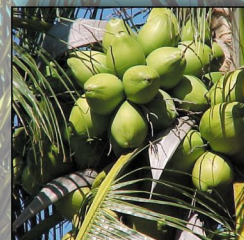




ESSAR ENGINEERS

PIONEER IN COIR - PITH MACHINERY MANUFACTURING SINCE 2001



24 Years of Engineering Excellence

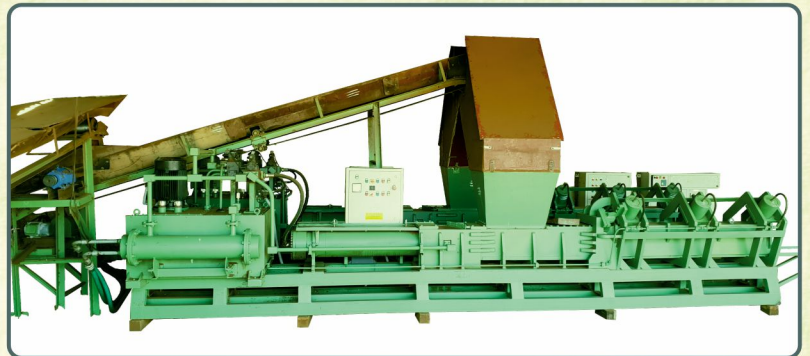
ESSAR ENGINEERS

Essar Engineers was promoted in the year 2001 as a Company to Manufacture the Machineries required for Coir Pith Product Manufacturing Industries to meet out the International Quality Standards.

The Promoter K. Rajarathinam is an experienced designer with more than 27 Years in the field of Machine Tool Designing and manufacturing, equipments for Coconut husk, Coconut shell, Coconut food processing etc. He is basically a Mechanical Engineering Graduate from Madurai Kamaraj University and has undergone various special training Programs in management. He has gained a wide knowledge in Coconut based products by constantly travelling, presenting papers and installing machines in almost all the Coconut growing Countries like Srilanka, Indonesia .Philippines, Vietnam , Thailand, Ivory Coast, Ghana, Mexico and Vanuatu.

Our Company can give Turn Key Projects to process Coconut Husk to Coir Fibre, Cut Fibre, Coir Pith (Cocopeat), Husk Chips, Substrates and Coir Geo Textiles. We are having complete infrastructure including CAD Systems, Solidworks - 3D Modeling, Qualified Engineers, Staff and Skilled Work Force. The Machines developed are appreciated for its sturdiness, user friendly, low operating cost, easy to operate and maintain. Our Company has fully equipped Service Team to extend services round the clock. Our Line of Machines such as Coir Pith Processing Machines and Coir Machines are appreciated for the following features

- * Low Maintenance
- * Low Power Consumption
- * High Efficiency
- * Intensified Processing
- * Sturdy Construction
- * Optimum Compaction Ratio

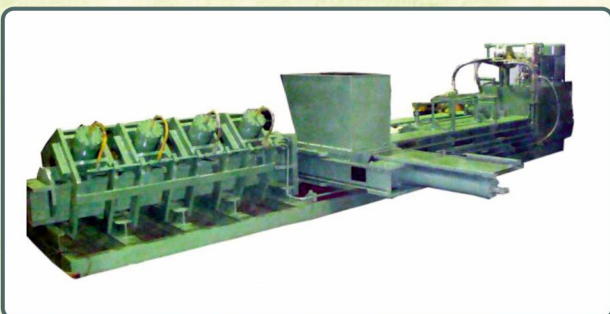


5kg Coir Pith Block Making Machine



MACHINE SPECIFICATIONS		
Model:	MINOR	MAJOR
Block size	30 X 30 X 9 to 12 Cm	30 X 30 X 9 to 12Cm
Compaction Ratio	6:1	6:1
Block Weight	4.5 to 5 Kgs	4.5 to 5 Kgs
Production Capacity	100 to 110 Blocks / Hour	140 to 150 Blocks / Hour
Press Capacity	100 TONS	100TONS
Press Arrangement	Horizontal	Horizontal
Motor	20 HP	25 HP

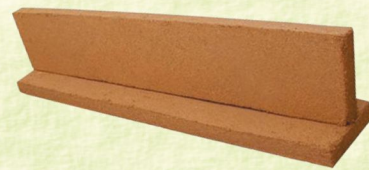
5Kg High Compression Coir Pith Block Making Machine



MACHINE SPECIFICATIONS	
Block size	28 X 28 X 9 to 12 Cm
Compaction Ratio	7 : 1
Block Weight	4.5 to 5 Kgs
Production Capacity	110 to 130 Blocks / Hour
Press Capacity	150 TONS
Press Arrangement	Horizontal
Motor	30 HP

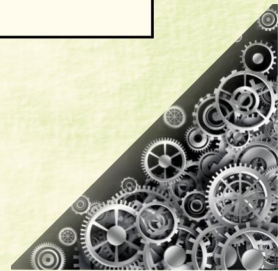


Grow Slab Making Machine



MACHINE SPECIFICATIONS

	GSM-290	GSM-290 DR	GSM-405
Model:	GSM-290	GSM-290 DR	GSM-405
Grow Slab Size Maximum possible	120X20 Cms	120X20 Cms	120X20 Cms
Dies supplied with the Machine	100X20, 100X18 & 100X15Cms	100X20, 100X18 & 100X15Cms	100X18 & 100X20, 100X15Cms
Production Capacity	200 to 240 Slabs/Hour	300 to 350 Slabs/Hour	200 to 240 Slabs/Hour
Press Capacity	320 TONS	320 TONS	600 TONS
Press Arrangement	Vertical	Vertical	Vertical
Motor	25 HP	30 HP	30 HP



650 Gms Coir Pith Bricks Making Machine



MACHINE SPECIFICATIONS :		
Model:	MINOR	MAJOR
Brick size	20 X 10 X 5 to 6Cm	20 X 10 X 5 to 6Cm
Compaction Ratio	8:1	8:1
Brick Weight	650Gms (+/- 25Gms)	650Gms (+/- 25Gms)
Production Capacity	200 to 225 Bricks / Hour	400 to 450 Bricks / Hour
Press Capacity	40 TONS	80 TONS
Press Arrangement	Horizontal	Horizontal
Motor	15 HP	30 HP



25Kg Coir - Pith Bale Making Machine



MACHINE SPECIFICATIONS :		
Model:	25Kg Vertical	25Kg Horizontal
Bale size	45 X 31 X 80 Cm	45 X 31 X 80 Cm
Compaction Ratio	2:1	2:1
Bale Weight	25 Kgs	25 Kgs
Production Capacity	15 to 20 Bales / Hour	15 to 20 Bales / Hour
Press Arrangement	Vertical	Horizontal
Motor	10 HP	10 HP



Green Coconut Husk Chips Cutting Machine



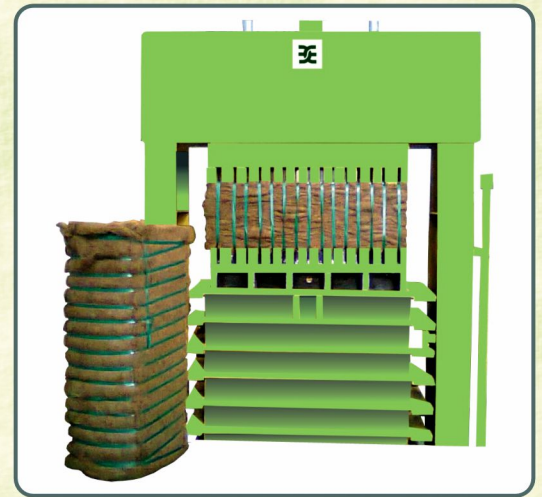
MACHINE SPECIFICATIONS:	Single Machine	6M/C.Set*	12M/C.Set*	18M/C.Set*
Capacity / 8 hrs Shift	2000 to 3500	18000	36000	54000
Power	5 HP	42 HP	75 HP	110 HP
Chips Size	7mm to 12mm	7mm to 12mm	7mm to 12mm	7mm to 12mm

Note*: Set of Machines consists of Husk Splitter, Husk Cutting & Busting, Sieving with required Conveyors.

120Kg Coir Fibre Bale Making Machine (BGL Model)

120Kg Fibre Baling Machine (Standard)

MACHINE SPECIFICATIONS :	
Model:	Single Press - Underground
Bale Size	120Kgs - 45 X 18 X 21 To 22 Inches
Bale Weight	120 To 150 Kgs
Production Capacity	10 To 12 Bales Per Hour
Press Capacity	250 Tons
Container Loadability	22 To 24 Tons
Press Arrangement	Vertical - 32feet underground
Motor	40 HP + 3 HP



120Kg Fibre Baling Machine (Finishing Press)

MACHINE SPECIFICATIONS	
Model:	Double Press - Underground
Bale Size	120Kgs - 45 X 18 X 21 To 22 Inches
Bale Weight	120 To 150 Kgs
Production Capacity	20 To 24 Bales Per Hour
Press Capacity	250 Tons
Container Loadability	22 To 24 Tons
Press Arrangement	Vertical - 32feet underground
Motor	40 HP + 3 HP

120Kg Fibre Baling Machine (Revolving Model)

MACHINE SPECIFICATIONS	
Model:	Double Press - Underground
Bale Size	120Kgs - 45 X 18 X 21 To 22 Inches
Bale Weight	120 To 150 Kgs
Production Capacity	20 To 24 Bales Per Hour
Press Capacity	250 Tons
Container Loadability	22 To 24 Tons
Press Arrangement	Vertical - 32feet underground
Motor	40 HP + 20 HP + 3 HP



120Kg Coir Fibre Bale Making Machine (AGL Model)



MACHINE SPECIFICATIONS :		
Model:	Single Press - Above Ground	PrePress - Above Ground
Bale Size	120Kgs - 45 X 18 X 21 To 22 Inches	120Kgs - 45 X 18 X 21To 22 Inches
Bale Weight	120 To 150 Kgs	120 To 150 Kgs
Production Capacity	8 To 10 Bales Per Hour	20 To 24 Bales Per Hour
Press Capacity	250 Tons	250 Tons
Container Loadability	22 To 24 Tons	22 To 24 Tons
Press Arrangement	Vertical - Above Ground Level	Vertical - Above Ground Level
Motor	30 HP	40 HP

Coir Coco Log Machine



MACHINE SPECIFICATIONS	
Drum Diameter	20 Cm & 30 Cm
Production Capacity	8 to 10 Meter / Hour (Depending on the efficiency & speed of the Operators)
Press Arrangement	Horizontal
Motor	10 HP

Coir Pith Washing & Squeezing System



MACHINE SPECIFICATIONS :	
Input EC	<5 ms/cm
Output EC	<0.5 ms/cm
Input Moisture	90 to 95%
Output Moisture	70 to 75%
Production Capacity	10 Cumeters per Hour
Power required	25 HP

Coir Pith Dryer

MACHINE SPECIFICATIONS :	
Input Moisture	70 to 75%
Output Moisture	15 to 20%
Production Capacity	4000 to 5000 Kgs per 20 Hours Shift
Power required	60 to 120 HP

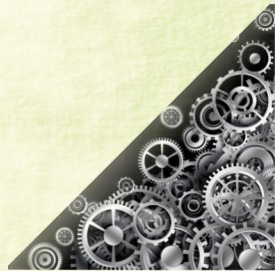


Coir Pith Sieving System

Dried Coir Pith Lump Breaker, Screening & Sand Removing System



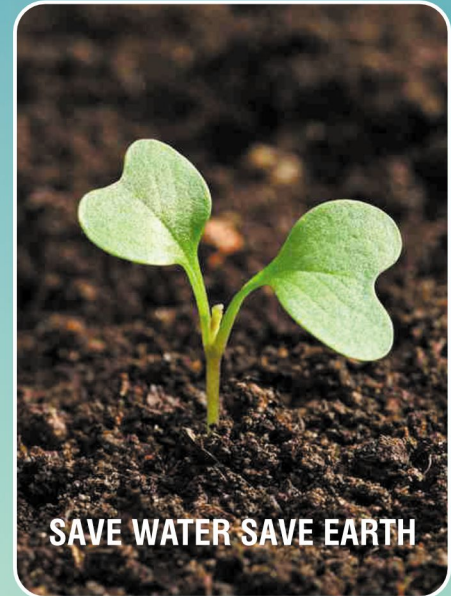
MACHINE SPECIFICATIONS :	
Production Capacity	1000 Kgs per Hour
Power required	16 HP





OUR RANGE OF PRODUCTS

- ★ COIR PITH SQUEEZING MACHINE
- ★ COIR PITH WASHING SYSTEM
- ★ COIR PITH GRADING SYSTEM
- ★ COIR PITH DE - STONER
- ★ COIR PITH SCREENING SYSTEM
- ★ COIR PITH CONVEYORS
- ★ COIR PITH DRIERS
- ★ COCO LOG MACHINE
- ★ COIR POT MACHINE
- ★ CUT FIBRE MACHINE
- ★ COCONUT HUSK BALING MACHINE
- ★ COIR PITH GROW BAG SLABS HOLES DRILLING MACHINE



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