

Process Flow Chart for Manufacturing Of Coconut Husk Chips

No.	Process	Description
01.	Purchasing of Husk	Used only Green Husk. Age Below 4 weeks.
02.	Slices cutting (used cutting machine)	Husk cutting to slices. Thickness around 14± 2 mm.
03.	Crushing (Used crushing machine)	Crush the husk slices by using normal 14mm net
04.	Grade separation (Used grade cylindrical sieving machine)	Following grades separated by sieving. S (12~18mm) particules SS (8~12mm) particules SSS (5~8mm) particles Below 5mm fine material
05.	Washing	S, SS, SSS particles store the separate tanks and wash by using below 0.5 me water. Washing process done by three times, during 24 hours. Final washed material EC below 0.5 me/cm
06.	Drying	Dry the material by using natural sun light. Final material moisture below 15%.
07.	Weighing	Weight: 4.5Kg
08.	Pressing	Press(2500-3500 psi) 4.5 Kg volume to 30x30x15 cm block, 20 Kg volume to 33x45x75cm block, by using hydraulic press machine Compression ratio: 5:1, 2.5:1





		Non compress - 4.5Kg,10Kg and 25 Kg bags
09.	Insert to the bag with label	Insert to the bag with customer label. (Low/Hi density PE bags)
10.	Bag sealing	Used by electrical sealer.
11.	Palletizing	Used certified wooden pallets for palletizing.



