

EFB Shredder



EFB (Palm Empty Fruit Bunch) is a good biomass material to make biofuel pellets, but due to the size and high moisture contain of EFB, it is not easy to refine the size directly by hammer mill or crusher machine, so we designed the EFB shredder to crush the EFB to fiber. Our EFB shredder is updated from drum wood chipper, we changed the structure of knife cylinder, bottom blades and fly blades, so that the machine can crush the FEB directly to 10-40mm size EFB fiber.

EFB feed to the machine from feeding flat conveyor, workers just need to put the EFB on the belt, the flat conveyor can send the EFB to feeding mouth, the feeding mouth is controlled by a hydraulic cylinder, so it is flexible to swallow

EFB with different size, from feeding mouth the EFB go to shredding chamber, which is the main part to shredding the EFB, the bottom stable blades, top blades and fly blades on knife cylinder cut the EFB and shredding them to fiber, until the size of fiber is smaller than 40mm, the fiber will discharged from the screen, under the screen there is the discharge conveyor, which can move away the EFB fibber from the machine. The whole system is controlled by electric panel, the panel can start, stop the motors and protect the motors from overload.

EFB shredder advantages:

1. Efficiency to process EFB to 10-40mm size fibber directly, even the EFB moisture contain is high.
2. Automatic working controlled by the electric panel, easy to feed EFB and discharge the final FEB fibber

3. The structure of machine main body is made of high strength carbon steel
4. The blades are made of good quality alloy steel to improve the sharpness
5. The EFB shredder also can be used to make wood chips from wood logs



EFB

EFB fibber from shredder

Dry EFB fiber

EFB shredder technical data:

Model	Capacity	Main motor power	Accessory motor power	Weight	Dimension
G215D	2-4m³/h or 1-3t/h	37Kw	7.4Kw	2700kg	2600x1700x1300mm
G315D	5-8m³/h or 3-5t/h	45Kw	9.6Kw	3600kg	2700x1800x1400mm
G316D	8-12m³/h or 6-8t/h	55Kw	11.4Kw	4700kg	2800x2100x1500mm
G317D	10-15m³/h or 8-10t/h	75Kw	15.4Kw	5700kg	2900x2400x1600mm
G318D	20-25m³/h or 12-15t/h	110kw	19Kw	8200kg	3500x2600x1800mm
G319D	25-30m³/h or 15-20t/h	160Kw	21.2Kw	9800kg	3600x2800x1900mm