



PELLETISING SOLUTIONS

Pelletising Technology

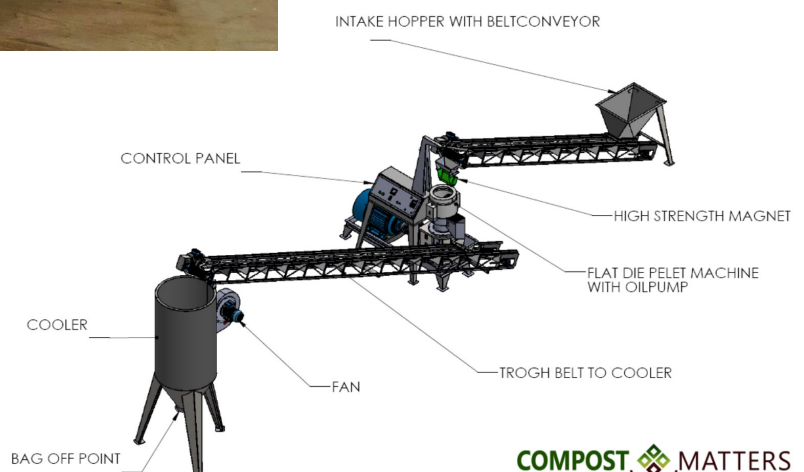
For years compost and organic fertiliser producers have been struggling to successfully create compost pellets with traditional pelletising technology. Organic fertilisers however require precise temperature and pressure management during the pelletising operation. Rotary presses cause high temperatures which kill the beneficial microorganisms necessary for healthy soil. Through meticulous research and development, Compost Matters has created the most effective and efficient organic fertiliser pelletiser. The solution is the Compost Matters J300 pellet press. Using our unique vertical press design and pressure control, pellets are produced at below 50 deg C, ensuring healthy organic fertilisers, ideal for use with standard vacuum planters, ploughing, tilling or broad acre broadcast methods. Pellets also provide higher concentrations of material thus reducing application rates compared to conventional organic fertilisers. The bulk density of the pellets are higher allowing more compost to be freighted per unit volume.



COMPOSTMATTERS



The Compost Matters J300 is used to create pellets from screened composted materials. Optimal pellet binding is ensured by controlling the raw material moisture levels to between 10%-30%. Some customers also create blends through the addition of certain trace elements such as lime, nitrogen or phosphate. Recognising the need for versatility and agility in pellet production and have designed the J300 pelletiser plant to consist of pre-assembled turn-key components. The kit can be configured to fit in to most operational areas. Each of the components can be used in isolation or in combination with the other, and can be lifted and moved to another facility without requiring new equipment. Feed intake control is calibrated on the conveyer system to allow seamless operation with minimal human intervention. Increasing capacity or additional components such as blending or bagging is also easily integrated. The average output volume for the single press kit is 1000kg – 1500kg per hour using screened composted organic material.



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COMPOST MATTERS