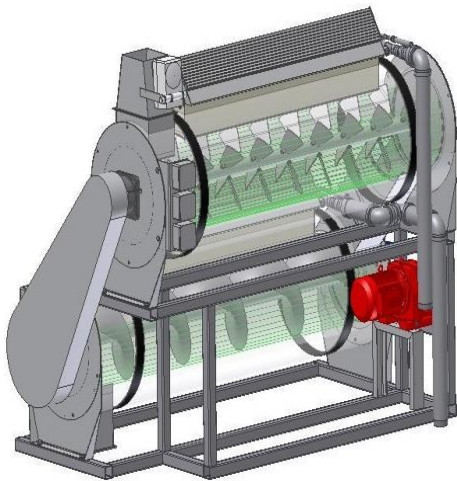


Integrated Wood Pellet System

The all-new **Integrated Wood Pellet System** from Kerry Die optimises the raw material properties in a processor/condenser unit prior to feeding them into a high-capacity press. The press then combines high output with low energy consumption to produce premium quality wood fuel pellets. Working together, these two patented, newly developed units are more efficient than any fuel pellet production line available on the market today.

Unique Features

The Chemical Analysis Electronic Meter measures the incoming raw material for precise properties. These properties are then activated through the **Calorific 6M Processor & Condenser**¹ and any excessive moisture is removed through the **Condenser**. This prepared material is then fed into the high-capacity **B-Mass 800 Pellet Press**.² The external Rolls and Die speed are programmed and automatically adjustable to insure maximum output and minimum energy consumption.



Reducing kW/ton from the Preparation of Raw Material - The online optical monitoring of raw material properties combined with indirect heat and external condensing unit for moisture removal allow the chemical properties within the material to be brought to an ambient structure for the production of a pellet.

Increasing Die Strength - The outer roll configuration to the die incorporates the scientific principles of force required to implode a ring structure is largely greater than the force required to explode one.

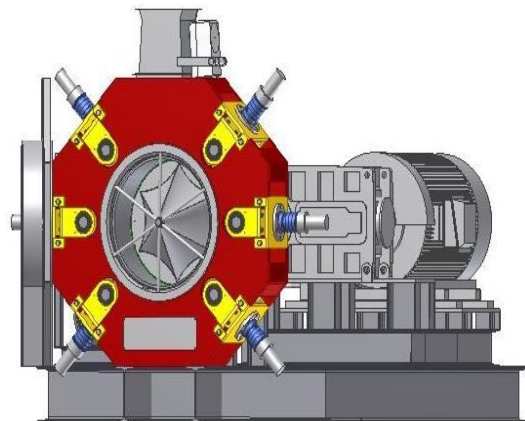
Prevention of Roll & Die Destruction from Foreign Bodies - Pressure detection and rapid roll retraction prevents die cracking or roll and bearing damage originating from foreign objects that may have entered the wood pellet system.

Operators Ease & Reduced Down Time

- (1) Simplified die clamping system allows operator to change die with ease and not be in direct contact with die surface. Tested die change in one hour.
- (2) Quick release and guided roll assembly allows the complete roll assembly to be removed in one action and replaced with a prepared assembly. The used roll assembly can be serviced remotely after the machine is back in operation.

Increasing Die Life (rolls & bearings also)

- (1) Absolute positioning and pressure detection of rolls ensures rolls and die can never come in contact with each other preventing unnecessary wear on both products.
- (2) Reduced rpm and prepared raw material similarly improves key component life.



¹ Patent No. S2008/0936

² Patent No. S2008/0937