

PELLETING PRESS AUTOMATIC



AVI-166-40

A pellet press also known as a pelleting mill is often used to form pellets from a powdered substance. Pellet presses can be grouped into small scale and large scale types. Large scale pellet presses are generally used to produce animal feeds, wood pellets as well as fuel pellets to be utilised for a pellet stove. Many of these presses find test applications in the process of infrared spectroscopy.



TECHNICAL SPECIFICATIONS

Force Range	8 Tons to 40 Tons (Digitally Controlled)
Hydraulic Ram Speed	3.2 mm / Sec (During Forward / Compression Stroke) 5.5 mm / Sec (During Return Stroke)
Hydraulic Pump Capacity	4LPM @ 250 Bar
Hydraulic Pressure	250 Bar Max. (Designed capacity)
Safe Operating Pressure	200 Bar (Digital display of set load & Actual Load)
Time of One Cycle	50 Sec (approx.)
Power of Hydraulic Pump	3HP; Three-way plunger type
Power	4 Pole, 16 A MCB (3-Phase + Neutral with Earthing) 415 V, AC Motor, , 1440 rpm (Crompton / Siemens)
Hydraulic Oil	Grade 68 or Equivalent



CONCEPTION

- User-friendly HMI touchscreen with digital control
- Digital setting for compression force 8-40 tons
Digital hold time - 0-300 seconds
Digital setting of time intervals and decompression and getting back to the off mode
- Fast shifting of die sets and quick functioning using Swing out crosshead
- Quick and easy loading and unloading of samples
- Auto cycles for every different variant of pelleting
- An extra die shed might be needed for Type A, B& C pellets
- A 20mm filling height
- Auto ejection, compression and relief system
- For safety interlock and automatic pump are installed to close the valves for enhanced safety
- Manual mode also available for all types of pelleting presses
- Floor mounting with a solid and heavy base with no need for foundation

Note: The design, color, specification, and models are subject to transformation due to ending research, development, and technological advances.

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