
IIPR Mini Dal Mill

Salient features

- Dehusking and splitting of pulses
- Provision for cleaning and grading of grains
- Abrasive emery roller for pitting/scratching of grain surface before treatment
- Recommended pre-milling treatment: Water soaking or Oil Mixing followed by sun drying
- Vertical rubber-steel disk chakki mechanism for dehusking and splitting after pre-milling treatment
- Cyclone separator to remove and collect milling byproduct

Advantages

- ✓ Emery roller used once for pitting only before pre-treatment
- ✓ For higher dal recovery treated grains are passed through chakki (Leaves 5-10% husk over finished dal)
- ✓ Finished unpolished dal contains more fiber, phenols and antioxidants than polished dal
- ✓ For higher dehusking, second or subsequent passes through emery roller
- ✓ Better dehusking leads to higher powdering loss of cotyledons
- ✓ Good in making splits dal of urd and mung with husk
- ✓ Higher recovery for easy-to-mill pulses viz., chickpea and fieldpea
- ✓ Lentil can be dehusked in emery roller without any treatment
- ✓ Accommodate all kind of pulses

Specifications

- Integrated unit: Sieve Grader, Emery Roller, Rubber-Steel Disk Chakki, Cyclone separator
- Power source: 2 hp, 220 V, Single Phase Motor
- Output capacity: 75-125 kg/h for different pulses
- Weight: 250 kg (Approx.)
- Manpower requirement: Two unskilled or semi-skilled



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Machine developed by

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Price/Unit

Rs. 1,00,000/- Approx.

More information

Status of commercialization / Patent / Publication

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