



# GRAINTEC INDUSTRIES

## GRAINTEC GYRO CLEANER



**Graintec Gyro Cleaner** is high-efficiency, multi-functional Grain Cleaning machine designed to remove impurities (Sticks, Straws, Leaves, Light impurities) from grains & seeds such as Paddy, Pulses, Maize, Soyabean, Peanut, Millets, Oil seeds and Cereals using a combination of gyratory (circular) and oscillating (reciprocating) motions.

### **Common Applications:**

They are widely used in Grain cleaning intake section, Paddy Processing, Pulses processing, Flour mills, Seed processing plants, and Food industries to improve product quality and enhance storage life.

# GYRO CLEANER

## Key Components & Operation

**Gyratory/Oscillating Action:** Driven by motors with offset mechanism, these machines use a horizontal, circular & tilting motion to spread grain evenly across screens for optimal separation.

**Sieve System:** They generally feature multi-decked, interchangeable screen decks (e.g., top screen for large impurities, bottom for fine dust/sand).

**Machine Base Frame:** Heavy-duty frame to reduce vibration transfer

**Power:** Usually 3 Phase, with motor power varying from 0.5 HP to over 10 HP.

**Material:** Generally constructed from Mild Steel (MS) or Stainless Steel (SS 304).

## Removes:

Oversize: straw, sticks, cob pieces, ropes/plastic (via top screen)

Undersize: sand, broken grains, fines (via bottom screen)

## Typical Specifications & Features

**Capacity:** Ranges from industrial capacity 1000 to 4000 Kg/Hr.

**Power:** Usually Three Phase, with motor power varying from 1 HP to 2 HP.

**Material:** Generally constructed from Mild Steel (MS) or Stainless Steel (SS 304).

Covered deck

**Motion/drive:** Eccentric shaft with Oscillating Strips holding the sieve deck.

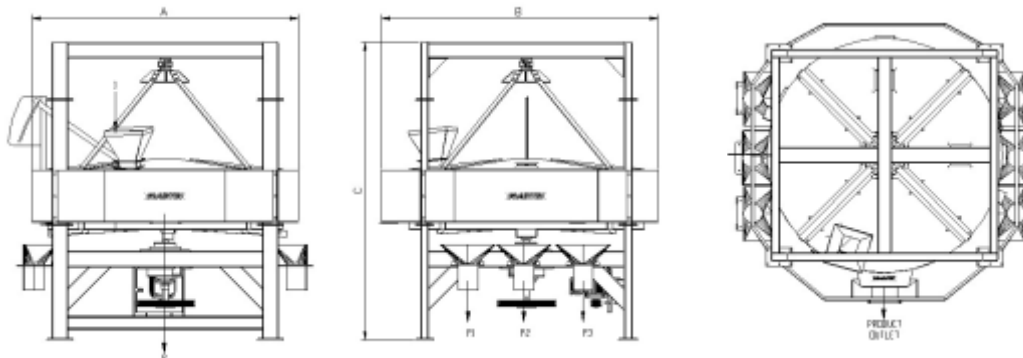
**Machine Base Frame:** Heavy-duty frame to reduce vibration transfer.

## Advantages

**High Efficiency:** Superior separation compared to simple, single-motion screeners.

**Low Maintenance:** Robust construction with long-lasting components.

**Versatility:** Adjustable deck angles and screen sizes allow for handling different types of materials.



**NOTE**  
 1. P - PRODUCT OUTLET  
 2. I - INLET  
 3. P1 - COARSE OUTLET  
 4. P2 - FINES OUTLET  
 5. P3 - COARSE OUTLET

GYRO CLEANER TECHNICAL SPECIFICATIONS		
MACHINE TYPE		<b>GIGH</b>
MACHINE CAPACITY- TPH		<b>1 - 4</b>
MOTOR POWER- HP/Kw		<b>2/1.5</b>
MOTOR SPEED- POLE/RPM		<b>4/1440</b>
VOLTAGE (V) / FREQUENCY(Hz)		<b>415 / 50</b>
MACHINE WEIGHT		<b>750</b>
SIZES IN MM	A	<b>2045</b>
	B	<b>2275</b>
	C	<b>2125</b>

\*

1. Based on Product Bulk Density
2. Capacity around 3 to 4 TPH @ 750 Kg/m<sup>3</sup> Bulk Density

All Graintec products are subject to continuous development and as a result, the specification may change and differ from the above mentioned.

## Graintec Industries.

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