



**MANUFACTURERS OF ALL KIND
OF SEED PROCESSING PLANT,
FRUITS & VEGETABLES
GRADING MACHINES**

**Better Quality &
Better Technologies**

www.zenagrow.com



About Us

- ❖ M/s ZENITH ENGINEERING AND WORKS CORPORATED SINCE 2013 . A RENOWNED AND ESTABLISHED INDIAN BRAND FOR ORIGINAL MAUFACTURER OF SEED / GRAIN PROCESSING PLANTS . WE OFFER WIDE RANGE OF GRAIN CLEANING /GRADING MACHINES . GRADING PLANTS , PRE CLEANER , SEED PROCESSING PLANTS , VEGETABLE AND FRUIT GRADING PLANT . WE HAVE GOOD SCALED & EDUCATED WORKER (ITI, DIPLOMA, & GRADUATED STAFF) . WE ARE CERTIFIED WITH ISO , CE , NSIC , MSME , EPFO & ESIC . WE ARE USING SOLDWORKS FOR 3D CADE DRAWING AND R&D DEPARTMENT TO IMPROVE THE QUALITY.

✓ **WE COMMITTED TO ACHIEVE ZERO DEFECT GOAL**



ZENITH FAMILY MEMBER

❖ **MR. VARINDER SINGH** :-MANAGING DIRECTOR.
WELL EDUCATED (GRADUATE) BELONGS TO LANDLORD FAMILY, HUMBLE ATTITUDE ,
STUNNING PERSONALITY ,
IMPRESSIVE DRESS UP ,GOOD UNDERSTANDING .HAVE GOOD
KNOWLEDGE OF BUSSINESS ,TECHNOLOGY & MARKET RESEARCH.

❖ **MR. RAJIV HANDA** :- GENERAL MANAGER .WELL EDUCATED
B.SC. (NON MED.) , HUMBLE
ATTITUDE ,
HAVE GOOD KNOWLEDGE
OF MARKET RESEARCH , SEEDS MACHINERIES , GOOD KNOWLEDGE
OF BUSINESS DEVOLVEMENT .

- MR. SANDEEP SINGH DESHWAL (HUMAN RESOURCES DEPARTMENT HEAD) B.SC.
- MR. JATINDER SINGH (ACCOUNT DEPARTMENT HEAD) B.CA.
- AMAN B.TECH(MARKETING & BUSSINESS DEVELOPMENT)
 - SHIVANI M.COM(MARKET RESEARCH)
 - GURMEET KAUR(DIGITAL MARKETING)
- AMANPREET SINGH BTECH(SOLIDWORKS 3-D WORKS)

And MANY EDUCATED STAFF AND ENGINEERS ARE WORKS FOR ZENITH . WE ARE PROUD
TO BE A FAMILY MEMBER OF ZENITH . WE ARE WORK FOR QUALITY .

SHOP FLOOR VIEW

In- House CNC Plasma cutting machine facility for accurate work and maintain quality.

We have Solid works facility to designing and drawing for preplanning For material handling (loading and unloading) respect with the help of Overhead CRANE (20 Ton load bearing capacity) . We have large workspace for R & D(Research and Development). ZENITH believes on 5S .



ZENITH OVERVIEW



SEED PROCESSING PLANT

- SEED PROCESSING PLANT WITH SITE VIEW
- MACHINES DETAILS :-
- 1 No. of PRE-CLEANER
- 1 No. of SEED/GRAIN FINE CLEANER GRADER
- 1 No. of SPECIFIC GRAVITY SEPARATOR 7 FANS



Seed Pre Cleaners

Seed Pre Cleaners are used to effectively eliminate light particles, roughage, and chaff during scalping and cleaning rice. We, Zenith Engineering & Works Seed Pre Cleaner Manufacturers in India.



MODEL	ZEW/PC3S1T	ZEW/PC3S2T	ZEW/PC3S3T	ZEW/PC3S4T
CAPACITY	1-2 TPH	2-3 TPH	3-4 TPH	4-5 TPH
DIMENSION	2250 X 900 X 2100	2500 X 1500 X 2400	3100 X 1500 X 2500	3200 X 1600 X 2600
NO. OF SCREEN	3	3	3	3
NO. OF BLOWERS	1	1	1	1
BLOWER TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
MOTOR NO. & CAPACITY	2 & 1 HP,3 HP,1440 RPM	2 & 1 HP,3 HP,1440 RPM	2 & 2 HP,5 HP,1440 RPM	2 & 2 HP,5 HP,1440 RPM
SCREEN CLEANING TYPE	NYLON BRUSH & BOUNCING BALLS	NYLON BRUSH & BOUNCING BALLS	NYLON BRUSH & BOUNCING BALLS	NYLON BRUSH & BOUNCING BALLS

Seed Grader

Seed Graders and Grain Fine cleaner are suitable for cleaning and grinding all kinds of food grains like wheat, Bajra, sesame seeds, green gram, black gram, rice, cumin, mustard seeds, aniseeds, etc. It also removes foreign particles and dust from a variety of foods. We, Zenith Engineering & Works is a leading Agro and Food processing equipment manufacturer in India. We are involved in offering a comprehensive series of Grading Line. Our Pre Cleaner Machine & Seed Treater have been developed by utilizing the optimum quality components and advanced technology under the stern surveillance of our highly dexterous professionals.



Furthermore, our multipurpose products' high-end performance, efficient working, extensive working life, ease of maintenance and usage, and other such features are highly appreciated by our clients in the market. We ensure that the products are delivered on time and at a reasonable price to our customers.

MODEL	ZEW/PC3S1T	ZEW/PC3S2T	ZEW/PC3S3T	ZEW/PC3S4T
CAPACITY	1-2 TPH	2-3 TPH	3-4 TPH	4-5 TPH
DIMENSION	2250 X 900 X 2100	2500 X 1500 X 2400	3100 X 1500 X 2500	3200 X 1600 X 2600
NO. OF SCREEN	3	3	3	3
NO. OF BLOWERS	1	1	1	1
BLOWER TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
MOTOR NO. & CAPACITY	2 & 1 HP,3 HP,1440 RPM	2 & 1 HP,3 HP,1440 RPM	2 & 2 HP,5 HP,1440 RPM	2 & 2 HP,5 HP,1440 RPM
SCREEN CLEANING TYPE	NYLON BRUSH & BOUNCING BALLS	NYLON BRUSH & BOUNCING BALLS	NYLON BRUSH & BOUNCING BALLS	NYLON BRUSH & BOUNCING BALLS

Zen Pro (Seed Grader)

This model "Zen Pro" Seed Grader cum Cleaning machine used to eliminate the unwanted material like dust particle, wooden balls, wooden pieces, oversized and undersized material. It will work on multigrain like Wheat, Paddy, Channa, Matar, Maize, Soyabean. Jawar, Bajra, Ragi, Rice, Mustard etc.

This machine have 4 screens for 6 grades. This machine have 6 outputs given below:-

- Feed Air removal
- 2. Lifter Air Removal
- 3. Top screen Removal
- 4. Undersized Seed/grain Removal
- 5. Lighter material Removal
- 5. Final output



Zen Pro (Seed Grader)

Specialty of Zen Pro Seed Grader machine:-

1. **Wooden Deck:-** This type of deck is much heavier than normal deck and also screen of special type of steel.
2. **Double Lifter:** It will remove light impurities from feeding and also from lifter screen.
3. **Seed Roller:-** Expand the seed for cleaning purpose.
4. **Warm Gear:-** Used for lifting the material easily.
5. **Double Aspiration:-** Used for controlling the air.



Mini Seed Grader

The machine is used for grading of seed on different sizes by means of sieves. The Grading machine with linearly vibrating motor provided with sieves made of perforated sheets. All metal parts are made of High class steel sheets.

Technical Specifications:-

- Model:- ZEW/MSG/2S
- Capacity:- 50 Kg- 300 Kg per hour on Wheat Basis
- Electric Motor Power:- 1 HP 1440 RPM for Cradle and Blower
- No. of Screens:- 2 No's (Top Screen and Bottom Screen)
- No. Of Grades:- 3 (Undersize, Oversized and Final Seed)



Seed Cleaner Cum Grader (Indo Model)

- Model:- ZEW/INDO
- Dimension with Stand :- 195 cm Hx110 cm Wx95 cm L (approx.)
- Cleaning capacity:- 150 Kg per hour on Wheat Basis
- Main Screen :- 2Nos- 250mm x 500mm
- Pre scalping Screen size:- 250mm x 250mm
- Motor of Blower:- 1 HP 2840 RPM
- Motor of Vibrating Deck:- 1 HP 1440 RPM
- Operating Voltage:- 220 V 50 Hz



Specific Gravity Separator



MODEL	3 Fan Gravity	5 Fan Gravity	7 Fan Gravity
DIMENSIONS	1700X800 MM	2400X1100 MM	3200X1250 MM
CAPACITY	1 TO 2 TPH	2 TO 3.5 TPH	4 TO 5 TPH
NO OF BLOWERS	3	5	7
MOTORS	5 HP For Blowers & 1 HP For DECK	7.5 HP For Blowers & 1.5 HP For DECK	10 HP For Blowers & 2 HP For DECK
DECK TYPE	WOODEN	WOODEN	WOODEN
FILTER SIDE PANEL	6	8	10

Destoner Machine

Destoner Machine is fabricated to remove the impurities like stones, mud, small particles from the rice, wheat, beans paddy, coffee, and many other grains.

Type Of Destoner

- Deck Type Destoner
- Vibro Destoner
- Magnetic Destoner



Deck Type Destoner

Technical Specifications:-

- Capacity:- 1-5 TPH
- Operation Mode:- Automatic
- Electricity Connection:- Three Phase
- Motor Power:- 1 HP
- Voltage:- 440 V
- Frequency:- 50 Hz
- Deck Size:- 105 x 60 cm
- Dimension:- 120 x 77 x 135 cm

After the cleaning process, the Destoner helps in separating the trash or any kind of stones . Designed as per the usage requirements, these machines consume a minimal amount of energy while yielding maximum return



Magnetic Destoner

Magnetic separator is to remove mud balls, black stones and other impurities from the grains, spices and pulses. Separator can be installed in all types of grain cleaning and seed cleaning lines. It has a Power Consumption of 1 HP Electric Motor with 2 electro magnets, cleaning Grains through two screens.

Technical Specifications:-

- Model:- ZEW/MDS
- Capacity:- 1- 8 TPH
- Electric Motor Power:- 1 HP 1440 RPM
- Electricity Connection:- Three Phase
- Gauss Power:- 13000 to 14000 Gauss
- Grade:- N52 Grade



Vibro Destoner

This machine is used for removing stones impurities and grading of all small millets of various products like Rice, Peanuts, pulses & other edible products

Technical Specifications:-

- Model:- ZEW/VDS
- Capacity:- 1-6 TPH
- Operation Mode:- Automatic
- Electricity Connection:- Three Phase
- Voltage:- 440 V
- Material:- Mild Steel
- Motor Capacity:- 2 HP 1440 RPM for Vibrating deck- 2 No's
- Motor Capacity:- 10 HP 2800 RPM for Blower



Indented Cylinder Grader

The indented cylinder separator is used for grading by length of all granular materials such as wheat, oats, fine seeds, lentils, for separating stalks from sunflower and beet seeds and for separating unwanted long or short product impurities.

Technical Specification:-

- Model:- ZEW/IC
- Capacity:- 1-6 TPH
- Operation Mode:- Automatic
- Electricity Connection:- Three Phase
- Motor Power:- 2HP
- Power Consumption:- 3 Kwh
- Surface Finish:- Painted
- Usage/Application:- Use to remove cut grain
- Material:- Mild Steel



Seed Treater Machine

This is used for chemical treatment of seed with pesticides. It ensures uniform mixing and coating of pesticide slurry on seed.

Technical Specification

- Model:- ZEW/ST
- Usage/Application:- Industrial
- Capacity:- 1-6 Ton/Hrs
- Material:- Stainless Steel(SS) (Contactable Parts) and Mild Steel(MS)
- Automation Grade:- Automatic
- Power Source:- Electric
- Voltage:- 210 V
- Surface Finish:- Paint Coated



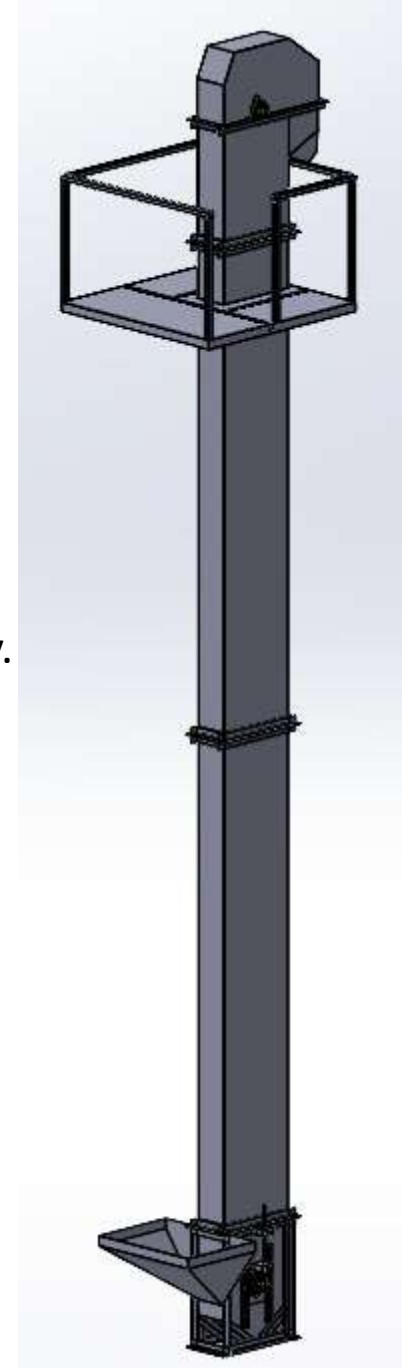
Vertical Bucket Elevator

Bucket Elevator moves the seeds grains in bulk by vertically. our range of Elevators as Below:-

1. Painted Elevator
2. GI Elevator

Technical Specification:-

- Elevator height:- as per customer requirement
- Capacity:- 1-15 ton/hr
- Material:- GI, MS
- Bucket Type:- Self Cleaning Type Nylon Bucket



Fruits & Vegetable Grading Machine

Fruits and Vegetable Grading machine used for grade and polish the different type of fruits and vegetables.

Four point depends on the customer

- 1.fruits and vegetable grading
- 2.washing section (optional)
- 3.polishing section (optional)
- 4.Hot air dryer section

Technical Specifications:-

Model:- ZEW/FVG

Capacity- 100 -1000 Boxes Per Day



Metal Scrap Grader Machine

Metal Scrap Grader used to grade the different types of metals like copper, aluminum, etc. It will grade metal based upon their different sizes.

Technical Specifications:-

Model:- ZEW/ MSG

Capacity:- 1- 10 TPH

Electric Motor Power:- 2 HP 1440 RPM

No. Of Screens:- 2 No's

No. of Grades:- 3 No's

Design:- Customized as per Customer's Requirement



Gravity Metal Separator

Heavy duty Gravity Separator which separates low density metal like aluminum from high density metal like copper or Iron.

USES:

Fiber and Metal separation for waste.
Copper & paper separation from motor scrap..etc

Technical Specifications:-

Model:- ZEW/GMS

No. of Blower:- 3 No's

Electric Motor Power:- 1 HP 1440

RPM for deck

Electric motor power:- 10 HP 2840

RPM Centrifugal Blower



Vermicompost Grading Machine

Vermicompost Grading Machine is used for grading the Vermicompost in two grades. Vermicompost is made for nurseries and for personal use.

Technical Specifications:-

Model:- ZEW/VGM

Capacity:- 2-3 TON PER HOUR

Electric Motor Power:- 1 HP

1440 RPM

Dimension:-2500 X 1800 X

2000

Material:- MILD STEEL





Mobile Seed Processing Plant



Grain Winnower/Paddy Cleaner



Moisture Meter



Bag Closer



Weighing Scales



- Seed Processing Plant
- Seed Pre Cleaner
- Fine Cleaner/Seed Grader
- Specific Gravity Separator
- Destoner /Vibro /Magnetic
- Fruits Grading Machine
- Vegetable Grading Machine & Many More...



CONTACT DETAILS:

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