

GS Grain Separator



- Gentle Grain Cleaning and Sorting
- Separates By Density With Stable Airflow
- Solution For Removing Disease From Grain
- Reduced Dust Environment
- No Screens, Maintenance Free
- User Friendly Operation
- Low Power Consumption
- Capacity To Match Your Need
- Increase Yield, Add Profit, Save Big
- Short Investment Payback
- *Gentle Grain Cleaning And Grading*

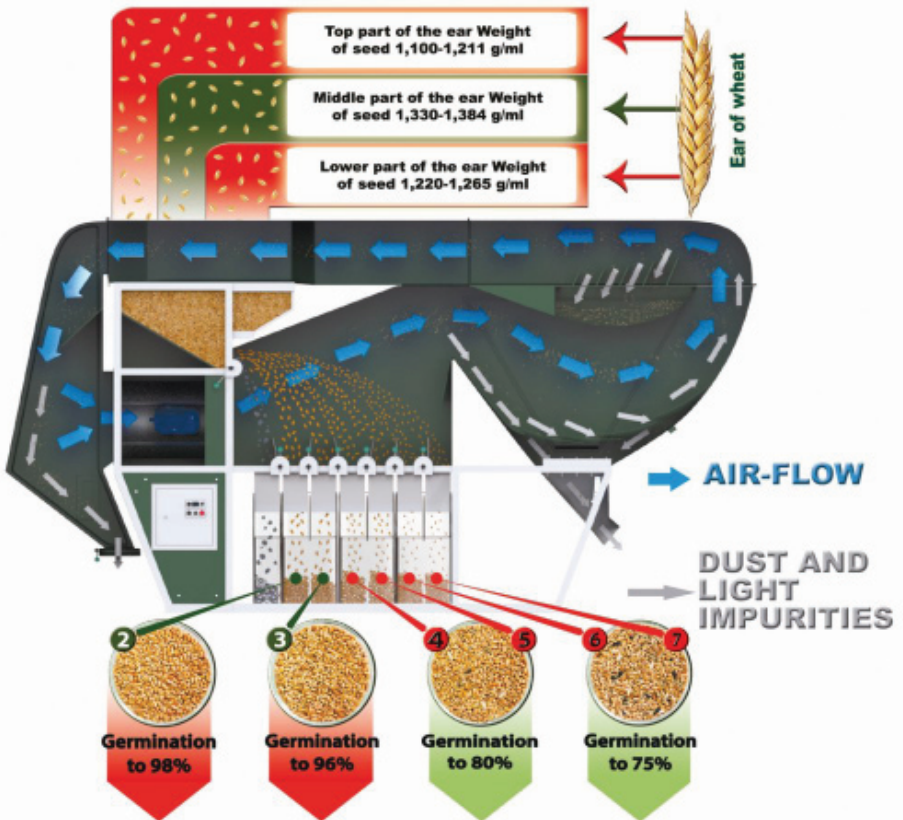


These Impeller Separating Machines (GS) will clean and grade all types of crops or bulk material. A stable air flow maintains consistent cleaning action throughout the process. The use of air with rubber coated cleaning chambers keeps kernel damage to a minimum. These machines will separate out both the light and heavy impurities as well as grade the thin, light, inferior seeds from the plump, high quality seeds all in one single pass. This is important because planting just the highest quality seeds will improve yields up to 30% and helps the crop mature earlier and more uniformly. Selling high quality seed for a premium price which would otherwise be sold for commodity price can add value to a crop. Many farmers not only save money but make additional income when they use an GS Grain Separator. These machines bring great value to almost any farmer who grows grain.

INNOVATIONS IN AGRICULTURE

● *Reduced Dust Environment*

The GS Grain Separator may be used with an optional “cyclone sedimentary chamber” (CSC). It significantly reduces the amount of dust and chaff outside the machine. Air movement within the separator occurs in a circle affecting excellent cleaning action. No additional equipment is required for using the separator inside a building. All the waste is removed by using a dumping bin.





● *Separates By Density With Airflow*

- The heaviest impurities, such as stones, dirt, and other heavy foreign matter fall through the 1st output.
- Seeds with the highest density (weight X surface area) fall through the 2nd and the 3rd outputs. These are the seeds with the highest test weight and protein content. These will have the highest germination rate and are the best choice for planting.
- The lighter seeds fall through the 4th and 5th outputs. These are best used for food or sold as commodity grain.
- The lightest seeds and damaged kernels fall through the 6th and 7th outputs. The grain from these two outputs are best used for feed.
- The dust, chaff, and other light impurities are carried by airflow into the cyclone sedimentary chamber (CSC) and deposited into a special collection bin.

● *Solution For Removing Disease From Grain*

Aflatoxin, ergot, fusarium, vomitoxin, and other grain diseases can be significantly reduced to acceptable levels. This often turns a worthless crop into a valuable commodity.

● *No Screens, Maintenance Free*

The motor which turns the impeller is the only moving part on the machine. There are no screens since the machine uses just air to affect the separations. There are no lubrication points. There is no mechanical maintenance so no spare parts are needed.

● *Low Power Consumption*

The GS Grain Separators are champions in electrical energy economy. They have the lowest power consumption per ton of grain cleaned among all similar machines on the market.

● *Capacity To Match Your Need*

The GS Grain Separator models range from 165 bushels / 5 tons per hour up to 6600 bushels / 200 tons per hour. Sizing a machine into your operation is easy with various size choices.



● *Gain Efficiency In Production*

Cleaning wheat for seed with a gravity table can leave 10% of splits, light, or damaged kernels in the seed supply which will not germinate. That translates to 100 wasted acres for every 1,000 acres planted or 1,000 bushels of trash seed for every 10,000 bushels of viable seed. This is a waste of money, labor, and other resources such as seed treatment, fertilizer, and farming 10% of your planted acres unless these “dead” seeds are removed.

GS GRAIN SEPARATOR MODELS

SEED CLEANING CAPACITY IS 50% OR LESS OF GRAIN CLEANING RATE

The primary purpose of the cyclone (CY) is to reduce dust pollution. This is especially needful when cleaning grain inside a building. Dust pollution may not be an issue in certain locations. Grain cleaning rates are based on wheat containing 13% moisture. Rates may vary depending on the kind of crop, moisture content, quantity of foreign material, and various other factors.

GS 200



SPECIFICATIONS

Grain Cleaning Capacity

165 bu / 5 T

59" Length 126"

22" Width 40"

68" Height 80"

371 lbs Weight 397 lbs

220 volt / .2 to 1 hp

240012 : Item Code : 390014

GS 200 CY



GS 400



SPECIFICATIONS

Grain Cleaning Capacity

330 bu / 10 T

66" Length 131"

22" Width 40"

73" Height 87"

425 lbs Weight 881 lbs

220 volt / .2 to 2 hp

320016 : Item Code : 480019

GS 400 CY



GS 800

SPECIFICATIONS

Grain Cleaning Capacity

660 bu / 20 T

91" Length 189"

26" Width 46"

95" Height 111"

836 lbs Weight 1496 lbs

220 volt / .5 to 7 hp

620020 : Item Code : 820024

GS 800 CY



GS 2000

SPECIFICATIONS

Grain Cleaning Capacity

1650 bu / 50 T

99" Length 205"

46" Width 65"

95" Height 111"

990 lbs Weight 2134 lbs

220 volt / .5 to 8 hp

920040 : Item Code : 1170044

GS 2000 CY



GS 4000

SPECIFICATIONS

Grain Cleaning Capacity

3300 bu / 200 T

252" Length 252"

89" Width 89"

145" Height 145"

1892 lbs Weight 3432 lbs

480 volt / 6.5 to 20.4 hp

1290052 : Item Code : 1830059

GS 4000 CY



GS 6000

SPECIFICATIONS

Grain Cleaning Capacity

5000 bu / 150 T

252" Length 252"

89" Width 89"

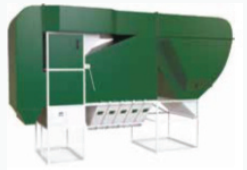
145" Height 145"

2002 lbs Weight 3542 lbs

480 volt / 9.5 to 24.5 hp

1480059 : Item Code : 1940067

GS 6000 CY



GS 8000

SPECIFICATIONS

Grain Cleaning Capacity

6600 bu / 200 T

252" Length 252"

89" Width 89"

145" Height 145"

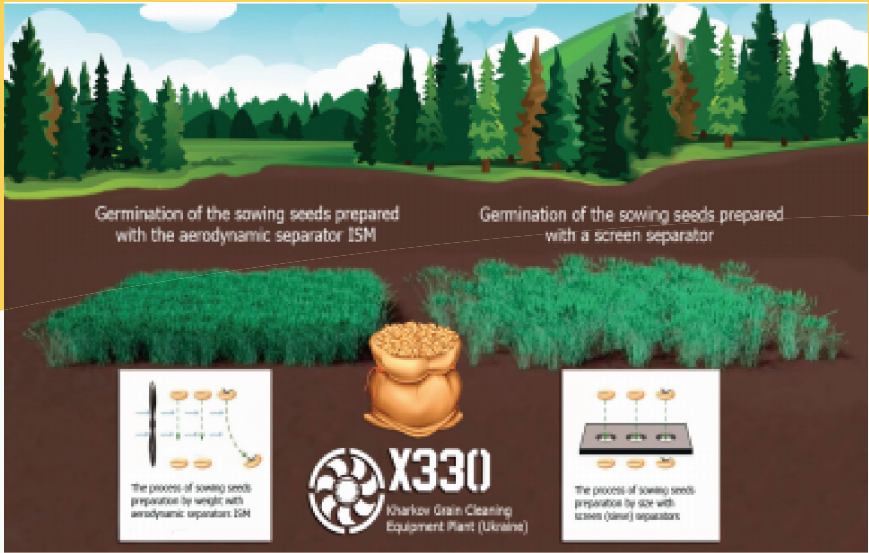
2112 lbs Weight 3652 lbs

480 volt / 20.4 to 40.8 hp

1570065 : Item Code : 2050075

GS 8000 CY





● *Increase Yield, Add Profit*

Cleaning wheat for seed with an GS Grain Separator can sort out the highest quality seed from your crop. Planting only the highest quality seeds will result in the following benefits:

- Germination is uniform and seeds are viable up to 96%
- Uniform crop maturity up to a week earlier
- Healthier crop with better disease resistance
- Yields increase up to 30% or better

Cleaning wheat for seed and selling it for a premium will add value to a crop and profit to the bottom line.

● *Removing Disease From A Crop Will Add Value.*

A wheat crop with 7 ppm vomitoxin = \$3.25/bu
 10,000 bu X 3.25 = \$32,500

Cleaning a 10,000 bushel wheat crop with an GS Grain Separator will yield about 9,000 to 9,500 bushels of good clean grain with 5% to 10% exhaust material. This will translate to a wheat crop with <2 ppm vomitoxin = \$6.50/bu
 9,000 bu X 6.50 = \$58,500

The value added to the now 9,000 bushel wheat crop is \$26,000. Investment payback is short and the breakeven point can sometimes be reached after only a few hours of use with an GS machine!





● *User Friendly Operation*

Once the operation of the machine is learned, it can be used by almost anyone without special training. The Variable Frequency Drive (VFD) makes switching between crops and fine tuning separating parameters both quick and easy. It enables soft starts and stops.

● *Preferred By Farmers Worldwide*

The GS Grain Separators are popular all over the world. They are being used by more than 10,000 satisfied farmers, grain mills, and others in agribusiness since 2008 on five different continents. These machines are multifunction winnowing machines that clean and grade a crop simultaneously. The outstanding design features of these machines enable them to perform functions equal to several other machines.

● *What You Can Expect*

We know how important it is for farmers to be able to clean their own crop, clean their own seed, and be able to do so on their own schedule. We know how important it is to have reliable machines with no downtime. Machines with no moving parts means no mechanical maintenance. We believe in keeping things honest and realistic. There won't be any bloated capacities, yield claims, or prices. We believe that common sense along with using our customers like we want to be treated is the kind of anytime, long term service we aim to provide.

 **GrainCleanerOH.com**

Visit our website and ask for a quote today.



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