



**AN AUTHORIZED
DEALER**

 **metra**
ads

**INNOVATIVE
GRAIN CLEANING TECHNOLOGIES**

BUY THROUGH LEGACY HEMP FOR BETTER PRICING

APPLICATIONS OF METRA GRAIN CLEANER

The “Metra” machine represents a revolution in grain cleaning technology. The Metra grain cleaner is a unique patented invention! Our technology is based on jet stream of air and aerodynamic principles which precisely separates source material based on relative density. The Metra machine is capable of processing all types of crop: Wheat, Durum, Corn, Soybeans, lentils, Sunflower, Hemp, Lucerne, Poppy, Oats, Chia, Barley, Maize, Peas, Beans, you name it...



Metra graincleaner cleans out any heavy or/and light impurities. Sorting and grading all types of grain.



Separating grains based on its relative density. Provides uniform seeds with most biological value for simultaneous germination and maturity to increase your yields up to 30%-40%.



Metra MS graincleaner is cable to divide two different density crops mixed together.



Separates grain into fractions to provide the best market value \$\$\$ for each grain category. Metra grain cleaner makes each grain category #1.

Metra unique technology with precise quality cleaning ability and high production volume allows to replace 3-4 grain cleaning machines within one technological line. With one processing pass, this machine can clean and allocate seeds by their relative density and divide them into independent fractions.

The Metra separates the source material into five fractions based on their relative density. The first fraction comprises stones and heavier impurities, the second and third fraction are the whole grains, the fourth fraction is broken grains and chaff and the fifth fraction comprises the smaller impurities. There is also an exhaust fan which rids the machine of dust and lighter impurities.



Premium quality products

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WHY METRA GRAINCLEANERS ARE BETTER

1 ABSENCE OF DAMAGED GRAIN

Metra air dynamic cleaning technology doesn't damage the grain unlike most of the grain cleaners on the market.

2 LOW ENERGY CONSUMPTION

Metra consumes from 1.2kW/h of electricity for a 147 bushels/ hour (4t/hr) capacity to 37.25kW/h for 3670 bushels/hour (100t/hr).

3 MOBILITY AND RELIABILITY

The simplicity of design and construction as well as genius technology makes Metra grain cleaners highly sufficient. Machine doesn't require any special set up or leveling, its relatively light and compact and can be placed on the trailer and function on the go as good as stationary.

4 HIGHLY ECONOMICAL

Our machine does not require any maintenance, doesn't have any moving parts or lubrication points. No sieves to change or replace for each grain type. No downtime for preparation and lubrication in-between crops. With Metra to go from one crop to another takes only 5 – 10 minutes.

5 VERSATILITY AND MULTI-FUNCTIONALITY

Due to its high productivity and separation ability, «Metra» can simultaneously pre-clean, primary and secondary clean in just one step using just one machine. Ability to identify the best seed is optimizing germination, improving sowing efficiency and increases harvest due to simultaneous maturation. This all collaborates to improve the crop yield up to 40%. This multifunctional machine replaces a line of 2 – 3 regular grain cleaners and provides simultaneous air drying of grain up to 2% per pass.

6 HIGHLY TECHNOLOGICAL OPPORTUNITY

Metra selects the most viable and productive kernels and separates diseased grain and grain damaged by parasites which often has no color or size difference and cannot be identified and separated by screen or color sorter. Our machine also separates grain effected by any type of fungus(VOM, FUS, AFLATOXIN etc.) along with chaff and any other impurities.

Metra is determined to offer the best universal solution to grain cleaning by applying the most innovative technology. We provide farmers worldwide with the best possible service and expertise in the business.

We strive to provide affordable, efficient and low maintenance technology for all agricultural applications. Whether you are a small scale organic farmer with a modest budget, or a multiple site, expansive commercial operation, we have the machine for you and your budget. We can assess your needs and current infrastructure and recommend products to complement your crop and set up.

Continual improvement and after sales service are vital to our continued success, and we ensure that you will receive the best possible support from our team.

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Possibility of sorting out the highest quality seeds which guarantees the germination up to 98% | <input checked="" type="checkbox"/> 8 degrees of engine protection, from a smooth start and stop to voltage drop protection | <input checked="" type="checkbox"/> Energy consumption 2.5 - 3 times lower comparing to the analogous separators |
| <input checked="" type="checkbox"/> High quality of the cleaning | <input checked="" type="checkbox"/> 24 hour technical support | <input checked="" type="checkbox"/> Simplicity of operation |
| <input checked="" type="checkbox"/> Self-cleaning mode of the separators allows to go over quickly from one crop spices to the other one | <input checked="" type="checkbox"/> Simplicity of construction and reliability of the machine | <input checked="" type="checkbox"/> Careful grain handling due to air treatment |

TECHNICAL PARAMETERS AND PRICE GRAIN CLEANER «METRA ADS»

Models	ADS 200	ADS 400	ADS 600	ADS 800	ADS 1200
Productivity in primary grain cleaning in Hour	200 bushels 5 tons	400 bushels 10 tons	600 bushels 15 tons	800 bushels 20 tons	1200 bushels 30 tons
Energy consumption kW/Hour HP	0.2 - 0.75 0.2 - 1.0	0.25 - 1.0 0.33 - 1.35	1.0 - 3.0 1.35 - 4.0	1.2 - 4.0 1.63 - 5.4	1.4 - 5.0 1.9 - 6.8
Length in / mm	84.6 / 2150	95.3 / 2420	90.5 / 2300	90.5 / 2300	90.5 / 2300
Width in / mm	22 / 560	22 / 560	27.5 / 700	27.5 / 700	27.5 / 700
Height in / mm	68.9 / 1750	74 / 1880	94.5 / 2400	94.5 / 2400	94.5 / 2400
Power consumption	220V, 60Gz	220V, 60Gz	220V, 60Gz	220V, 60Gz	220V, 60Gz
Weight Lbs / kg	290 / 130	330 / 150	820 / 370	840 / 380	890 / 400

Models	ADS 1600	ADS 2000	ADS 4000	ADS 6000	ADS 8000
Productivity in primary grain cleaning in Hour	1600 bushels 40 tons	2000 bushels 50 tons	4000 bushels 100 tons	6000 bushels 150 tons	8000 bushels 200 tons
Energy consumption kW/Hour HP	2.4 - 7.6 3.2 - 10.3	2.4 - 7.6 3.2 - 10.3	4.8 - 15.0 6.5 - 20.4	7.0 - 18.0 9.5 - 24.5	15.0 - 30.0 20.4 - 40.8
Length in / mm	88.4 / 2500	88.4 / 2500	122 / 3100	123.2 / 3130	123.2 / 3130
Width in / mm	49.2 / 1250	49.2 / 1250	63 / 1600	68.9 / 1750	68.9 / 1750
Height in / mm	94.5 / 2400	94.5 / 2400	118.5 / 3010	118.9 / 3020	118.9 / 3020
Power consumption	220V, 60Gz	220V, 60Gz	480V, 60Gz	480V, 60Gz	480V, 60Gz
Weight Lbs / kg	950 / 430	995 / 450	1900 / 860	2010 / 910	2120 / 960

TECHNICAL PARAMETERS AND PRICE GRAIN CLEANER «METRA ADS» with cyclone dust collector (CDC)

Models	ADS 200-CDC	ADS 400-CDC	ADS 600-CDC	ADS 800-CDC	ADS 1200-CDC
Productivity in primary grain cleaning in Hour	200 bushels 5 tons	400 bushels 10 tons	600 bushels 15 tons	800 bushels 20 tons	1200 bushels 30 tons
Energy consumption kW/Hour HP	0.2 - 0.75 0.2 - 1.0	0.25 - 1.0 0.33 - 1.35	1.0 - 3.0 1.35 - 4.0	1.2 - 4.0 1.63 - 5.4	1.4 - 5.0 1.9 - 6.8
Length in / mm	126 / 3200	133.9 / 3400	189 / 4800	189 / 4800	189 / 4800
Width in / mm	39.4 / 1000	43.3 / 1100	53.3 / 1355	53.3 / 1355	53.3 / 1355
Height in / mm	78.7 / 2000	82.7 / 2100	112.2 / 2850	112.2 / 2850	112.2 / 2850
Power consumption	220V, 60Gz	220V, 60Gz	220V, 60Gz	220V, 60Gz	220V, 60Gz
Weight Lbs / kg	400 / 180	440 / 200	1655 / 750	1765 / 800	1920 / 870

Models	ADS 1600-CDC	ADS 2000-CDC	ADS 4000-CDC	ADS 6000-CDC	ADS 8000-CDC
Productivity in primary grain cleaning in Hour	1600 bushels 40 tons	2000 bushels 50 tons	4000 bushels 100 tons	6000 bushels 150 tons	8000 bushels 200 tons
Energy consumption kW/Hour HP	2.4 - 7.6 3.2 - 10.3	2.4 - 7.6 3.2 - 10.3	4.8 - 15.0 6.5 - 20.4	7.0 - 18.0 9.5 - 24.5	15.0 - 30.0 20.4 - 40.8
Length in / mm	204.7 / 5200	204.7 / 5200	252 / 6400	252 / 6400	252 / 6400
Width in / mm	64.2 / 1630	64.2 / 1630	88.6 / 2250	88.6 / 2250	88.6 / 2250
Height in / mm	116.2 / 2950	116.2 / 2950	145.7 / 3700	145.7 / 3700	145.7 / 3700
Power consumption	220V, 60Gz	220V, 60Gz	480V, 60Gz	480V, 60Gz	480V, 60Gz
Weight Lbs / kg	2040 / 925	2075 / 940	3440 / 1560	3550 / 1610	3660 / 1660

TECHNICAL PARAMETERS AND PRICE OTHER EQUIPMENT «METRA»

Models	METRA GPC 400	METRA GPC 2000	Mobile Grain Cleaner MGC 1000	Mobile Grain Cleaner MGC 1200
Productivity in grain cleaning in Hour	400 bushels 10 tons	2000 bushels 50 tons	1000 bushels 25 tons	1200 bushels 30 tons
Energy consumption kW/Hour HP	1.0 - 1.5 1.3 - 2.0	0.75 - 1.5 1.0 - 2.0	7.7 - 10.3 10.5 - 14.0	11.3 15.4
Length in / mm	47.2 / 1198	78.7 / 2000	255.9 / 6500	255.9 / 6500
Width in / mm	45.3 / 1150	37.7 / 960	102.4 / 2600	102.4 / 2600
Height in / mm	51.5 / 1309	39.4 / 1000	137.8 / 3500	137.8 / 3500
Power consumption	220V, 60Gz	220V, 60Gz	220V, 60Gz	220V, 60Gz
Weight Lbs / kg	600 / 270	1100 / 500	3970 / 1800	3970 / 1800

HARVEST INCREASE UP TO 40%



- ✓ Separating the grains of all heavy and light impurities that differ from the main grain
- ✓ Selecting grains based on its relative density, selecting the most biological valuable grains which ensure optimum germination and result
- ✓ Separating different kinds of cereal thereby giving these products a decent marketable appearance

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METRA ADS 200



METRA ADS 200-CDC



METRA ADS 400



METRA ADS 400-CDC



METRA ADS 600



METRA ADS 600-CDC



METRA ADS 800



METRA ADS 800-CDC



METRA ADS 1200



METRA ADS 1200-CDC



METRA ADS 1600



METRA ADS 1600-CDC



METRA ADS 2000



METRA ADS 2000-CDC



METRA ADS 4000



METRA ADS 4000-CDC



METRA ADS 6000



METRA ADS 6000-CDC



METRA ADS 8000



METRA ADS 8000-CDC





THE IMPELLER GRAIN CLEANER METRA ADS 200 CLEANS AND SORTS SEEDS IN THE AIRFLOW. FOR SMALL AGRICULTURAL BUSINESS. RELIABLE, EFFICIENT AND ECONOMIC MACHINE.

METRA ADS 200 WITH CYCLONE DUST COLLECTOR (CDC)

Productivity in primary grain cleaning	200 bushels/hour 5 tons/hour
Energy consumption	0.2 - 0.75 kW/hour 0.2 - 1.0 HP
Length Length with CDC	84.6 in / 2150 mm 126.0 in / 3200 mm
Width Width with CDC	22.0 in / 560 mm 39.4 in / 1000 mm
Height Height with CDC	68.9 in / 1750 mm 78.7 in / 2000 mm
Power consumption	220V, 60Gz
Weight Weight with CDC	290 lbs / 130 kg 400 lbs / 180 kg



INFORMATION ABOUT GRAIN CLEANER METRA ADS-200

Aerodynamic grain cleaner and sorter ADS 200 is developed for any kinds of grain and seed cleaning and sorting (wheat, barley, rice, rye, beans, peas, chickpeas, corn, maize, sunflower, sorghum, soya, oat, buckwheat, rape, mustard, oat, millet, linseeds, any other seeds). The grain cleaner makes pre-cleaning and seed preparation for sowing due to differences in the cultures weight and aerodynamic qualities (winnowing), that makes it possible to sort out the most viable grains with the highest germinability and growth energy.

- Low price and fast return of investment. You can get the invested money during the first year.
- Best suitable for organic production, no damage of seeds (no-sieves technology).
- Sorts out the grains damaged by mycotoxins (fusarium, vomitoxins etc.), Losses from grain diseases could be minimized or eliminated.
- Quick switch from one culture to another. No need to lose a lot of time to changes of sieves.
- Easy operation and machine cleaning.

Premium quality products

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THE IMPELLER GRAIN CLEANER METRA ADS 400 CLEANS AND SORTS SEEDS IN THE AIRFLOW. FOR SMALL AGRICULTURAL BUSINESS. RELIABLE, EFFICIENT AND ECONOMIC MACHINE.

METRA ADS 400 WITH CYCLONE DUST COLLECTOR (CDC)

Productivity in primary grain cleaning	400 bushels/hour 10 tons/hour
Energy consumption	0.25 - 1.0 kW/hour 0.33 - 1.35 HP
Length Length with CDC	95.3 in / 2420 mm 133.9 in / 3400 mm
Width Width with CDC	22.0 in / 560 mm 43.3 in / 1100 mm
Height Height with CDC	74 in / 1880 mm 82.7 in / 2100 mm
Power consumption	220V, 60Gz
Weight Weight with CDC	330 lbs / 150 kg 440 lbs / 200 kg



INFORMATION ABOUT GRAIN CLEANER METRA ADS-400

Aerodynamic grain cleaner and sorter ADS 400 is developed for any kinds of grain and seed cleaning and sorting (wheat, barley, rice, rye, beans, peas, chickpeas, corn, maize, sunflower, sorghum, soya, oat, buckwheat, rape, mustard, oat, millet, linseeds, any other seeds). The grain cleaner makes pre-cleaning and seed preparation for sowing due to differences in the cultures weight and aerodynamic qualities (winnowing), that makes it possible to sort out the most viable grains with the highest germinability and growth energy.

- Low price and fast return of investment. You can get the invested money during the first year.
- Best suitable for organic production, no damage of seeds (no-sieves technology).
- Sorts out the grains damaged by mycotoxins (fusarium, vomitoxins etc.), Losses from grain diseases could be minimized or eliminated.
- Quick switch from one culture to another. No need to lose a lot of time to changes of sieves.
- Easy operation and machine cleaning.

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THE IMPELLER GRAIN CLEANER METRA ADS 600 CLEANS AND SORTS SEEDS IN THE AIRFLOW. FOR MEDIUM FARMS. RELIABLE, EFFICIENT AND ECONOMIC MACHINE.

METRA ADS 600 WITH CYCLONE DUST COLLECTOR (CDC)



Productivity in primary grain cleaning	600 bushels/hour 15 tons/hour
Energy consumption	1.0 - 3.0 kW/hour 1.35 - 4.0 HP
Length Length with CDC	90.5 in / 2300 mm 189.0 in / 4800 mm
Width Width with CDC	27.5 in / 700 mm 53.3 in / 1355 mm
Height Height with CDC	94.5 in / 2400 mm 112.2 in / 2850 mm
Power consumption	220V, 60Gz
Weight Weight with CDC	820 lbs / 370 kg 1655 lbs / 750 kg

INFORMATION ABOUT GRAIN CLEANER METRA ADS-600

Aerodynamic grain cleaner and sorter ADS 600 is developed for any kinds of grain and seed cleaning and sorting (wheat, barley, rice, rye, beans, peas, chickpeas, corn, maize, sunflower, sorghum, soya, oat, buckwheat, rape, mustard, oat, millet, linseeds, any other seeds). The grain cleaner makes pre-cleaning and seed preparation for sowing due to differences in the cultures weight and aerodynamic qualities (winnowing), that makes it possible to sort out the most viable grains with the highest germinability and growth energy.

- Low price and fast return of investment. You can get the invested money during the first year.
- Best suitable for organic production, no damage of seeds (no-sieves technology).
- Sorts out the grains damaged by mycotoxins (fusarium, vomitoxins etc.), Losses from grain diseases could be minimized or eliminated.
- Quick switch from one culture to another. No need to lose a lot of time to changes of sieves.
- Easy operation and machine cleaning.

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THE IMPELLER GRAIN CLEANER METRA ADS 800 CLEANS AND SORTS SEEDS IN THE AIRFLOW. FOR MEDIUM FARMS. RELIABLE, EFFICIENT AND ECONOMIC MACHINE.

METRA ADS 800 WITH CYCLONE DUST COLLECTOR (CDC)



INFORMATION ABOUT GRAIN CLEANER METRA ADS-800

Aerodynamic grain cleaner and sorter ADS 800 is developed for any kinds of grain and seed cleaning and sorting (wheat, barley, rice, rye, beans, peas, chickpeas, corn, maize, sunflower, sorghum, soya, oat, buckwheat, rape, mustard, oat, millet, linseeds, any other seeds). The grain cleaner makes pre-cleaning and seed preparation for sowing due to differences in the cultures weight and aerodynamic qualities (winnowing), that makes it possible to sort out the most viable grains with the highest germinability and growth energy.

- Low price and fast return of investment. You can get the invested money during the first year.
- Best suitable for organic production, no damage of seeds (no-sieves technology).
- Sorts out the grains damaged by mycotoxins (fusarium, vomitoxins etc.), Losses from grain diseases could be minimized or eliminated.
- Quick switch from one culture to another. No need to lose a lot of time to changes of sieves.
- Easy operation and machine cleaning.

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Productivity in primary grain cleaning	800 bushels/hour 20 tons/hour
Energy consumption	1.2 - 4.0 kW/hour 1.63 - 5.4 HP
Length Length with CDC	90.5 in / 2300 mm 1189.0 in / 4800 mm
Width Width with CDC	27.5 in / 700 mm 53.3 in / 1355 mm
Height Height with CDC	94.5 in / 2400 mm 112.2 in / 2850 mm
Power consumption	220V, 60Gz
Weight Weight with CDC	840 lbs / 380 kg 1765 lbs / 800 kg



THE IMPELLER GRAIN CLEANER METRA ADS 1200 CLEANS AND SORTS SEEDS IN THE AIRFLOW. FOR MEDIUM FARMS. RELIABLE, EFFICIENT AND ECONOMIC MACHINE.

METRA ADS 1200 WITH CYCLONE DUST COLLECTOR (CDC)



Productivity in primary grain cleaning	1200 bushels/hour 30 tons/hour
Energy consumption	1.4 - 5.0 kW/hour 1.9 - 6.8 HP
Length Length with CDC	90.5 in / 2300 mm 189.0 in / 4800 mm
Width Width with CDC	27.5 in / 700 mm 53.3 in / 1355 mm
Height Height with CDC	94.5 in / 2400 mm 112.2 in / 2850 mm
Power consumption	220V, 60Gz
Weight Weight with CDC	890 lbs / 400 kg 1920 lbs / 870 kg

INFORMATION ABOUT GRAIN CLEANER METRA ADS-1200

Aerodynamic grain cleaner and sorter ADS 1200 is developed for any kinds of grain and seed cleaning and sorting (wheat, barley, rice, rye, beans, peas, chickpeas, corn, maize, sunflower, sorghum, soya, oat, buckwheat, rape, mustard, oat, millet, linseeds, any other seeds). The grain cleaner makes pre-cleaning and seed preparation for sowing due to differences in the cultures weight and aerodynamic qualities (winnowing), that makes it possible to sort out the most viable grains with the highest germinability and growth energy.

- Low price and fast return of investment. You can get the invested money during the first year.
- Best suitable for organic production, no damage of seeds (no-sieves technology).
- Sorts out the grains damaged by mycotoxins (fusarium, vomitoxins etc.), Losses from grain diseases could be minimized or eliminated.
- Quick switch from one culture to another. No need to lose a lot of time to changes of sieves.
- Easy operation and machine cleaning.

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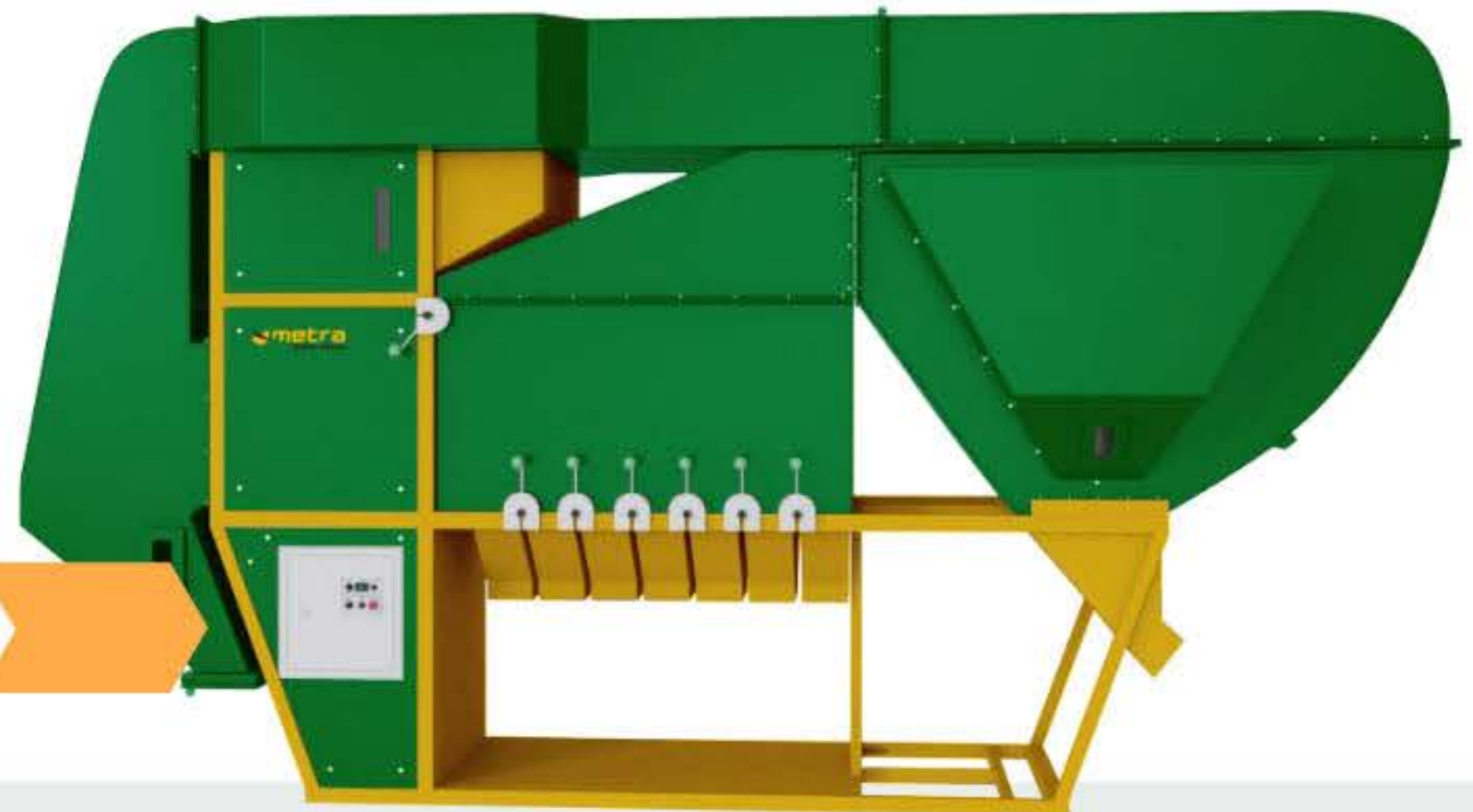


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THE IMPELLER GRAIN CLEANER METRA ADS 1600 CLEANS AND SORTS SEEDS IN THE AIRFLOW. FOR MEDIUM AND LARGE FARMS. RELIABLE, EFFICIENT AND ECONOMIC MACHINE.

METRA ADS 1600 WITH CYCLONE DUST COLLECTOR (CDC)



Productivity in primary grain cleaning	1600 bushels/hour 40 tons/hour
Energy consumption	2.4 - 7.6 kW/hour 3.2 - 10.3 HP
Length	88.4 in / 2500 mm
Length with CDC	204.7 in / 5200 mm
Width	49.2 in / 1250 mm
Width with CDC	64.2 in / 1630 mm
Height	94.5 in / 2400 mm
Height with CDC	116.2 in / 2950 mm
Power consumption	220V, 60Gz
Weight	950 lbs / 430 kg
Weight with CDC	2040 lbs / 925 kg

INFORMATION ABOUT GRAIN CLEANER METRA ADS-1600

Aerodynamic grain cleaner and sorter ADS 1600 is developed for any kinds of grain and seed cleaning and sorting (wheat, barley, rice, rye, beans, peas, chickpeas, corn, maize, sunflower, sorghum, soya, oat, buckwheat, rape, mustard, oat, millet, linseeds, any other seeds). The grain cleaner makes pre-cleaning and seed preparation for sowing due to differences in the cultures weight and aerodynamic qualities (winnowing), that makes it possible to sort out the most viable grains with the highest germinability and growth energy.

- Low price and fast return of investment. You can get the invested money during the first year.
- Best suitable for organic production, no damage of seeds (no-sieves technology).
- Sorts out the grains damaged by mycotoxins (fusarium, vomitoxins etc.), Losses from grain diseases could be minimized or eliminated.
- Quick switch from one culture to another. No need to lose a lot of time to changes of sieves.
- Easy operation and machine cleaning.

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THE IMPELLER GRAIN CLEANER METRA ADS 2000 CLEANS AND SORTS SEEDS IN THE AIRFLOW. FOR LARGE AGRICULTURAL BUSINESS. RELIABLE, EFFICIENT AND ECONOMIC MACHINE.

METRA ADS 2000 WITH CYCLONE DUST COLLECTOR (CDC)



INFORMATION ABOUT GRAIN CLEANER METRA ADS-2000

Aerodynamic grain cleaner and sorter ADS 2000 is developed for any kinds of grain and seed cleaning and sorting (wheat, barley, rice, rye, beans, peas, chickpeas, corn, maize, sunflower, sorghum, soya, oat, buckwheat, rape, mustard, oat, millet, linseeds, any other seeds). The grain cleaner makes pre-cleaning and seed preparation for sowing due to differences in the cultures weight and aerodynamic qualities (winnowing), that makes it possible to sort out the most viable grains with the highest germinability and growth energy.

- Low price and fast return of investment. You can get the invested money during the first year.
- Best suitable for organic production, no damage of seeds (no-sieves technology).
- Sorts out the grains damaged by mycotoxins (fusarium, vomitoxins etc.), Losses from grain diseases could be minimized or eliminated.
- Quick switch from one culture to another. No need to lose a lot of time to changes of sieves.
- Easy operation and machine cleaning.

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Productivity in primary grain cleaning	2000 bushels/hour 50 tons/hour
Energy consumption	2.4 - 7.6 kW/hour 3.2 - 10.3 HP
Length Length with CDC	88.4 in / 2500 mm 204.7 in / 5200 mm
Width Width with CDC	49.2 in / 1250 mm 64.2 in / 1630 mm
Height Height with CDC	94.5 in / 2400 mm 116.2 in / 2950 mm
Power consumption	220V, 60Gz
Weight Weight with CDC	890 lbs / 400 kg 2075 lbs / 940 kg



THE IMPELLER GRAIN CLEANER METRA ADS 6000 CLEANS AND SORTS SEEDS IN THE AIRFLOW. FOR LARGE AGRICULTURAL BUSINESS, PORT ELEVATORS AND OTHER POWERFUL GRAIN OPERATORS.

METRA ADS 6000 WITH CYCLONE DUST COLLECTOR (CDC)



Productivity in primary grain cleaning	6000 bushels/hour 150 tons/hour
Energy consumption	7.0 - 18.0 kW/hour 9.5 - 24.5 HP
Length Length with CDC	123.2 in / 3130 mm 252.0 in / 6400 mm
Width Width with CDC	68.9 in / 1750 mm 88.6 in / 2250 mm
Height Height with CDC	118.9 in / 3020 mm 145.7 in / 3700 mm
Power consumption	480V, 60Gz
Weight Weight with CDC	2010 lbs / 910 kg 3550 lbs / 1610 kg

INFORMATION ABOUT GRAIN CLEANER METRA ADS-6000

Aerodynamic grain cleaner and sorter ADS 6000 is developed for any kinds of grain and seed cleaning and sorting (wheat, barley, rice, rye, beans, peas, chickpeas, corn, maize, sunflower, sorghum, soya, oat, buckwheat, rape, mustard, oat, millet, linseeds, any other seeds). The grain cleaner makes pre-cleaning and seed preparation for sowing due to differences in the cultures weight and aerodynamic qualities (winnowing), that makes it possible to sort out the most viable grains with the highest germinability and growth energy.

- Low price and fast return of investment. You can get the invested money during the first year.
- Best suitable for organic production, no damage of seeds (no-sieves technology).
- Sorts out the grains damaged by mycotoxins (fusarium, vomitoxins etc.), Losses from grain diseases could be minimized or eliminated.
- Quick switch from one culture to another. No need to lose a lot of time to changes of sieves.
- Easy operation and machine cleaning.

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THE IMPELLER GRAIN CLEANER METRA ADS 4000 CLEANS AND SORTS SEEDS IN THE AIRFLOW. FOR LARGE AGRICULTURAL BUSINESS, PORT ELEVATORS AND OTHER POWERFUL GRAIN OPERATORS.

METRA ADS 4000 WITH CYCLONE DUST COLLECTOR (CDC)



Productivity in primary grain cleaning	4000 bushels/hour 100 tons/hour
Energy consumption	4.8 - 15.0 kW/hour 6.5 - 20.4 HP
Length	122.0 in / 3100 mm
Length with CDC	252.0 in / 6400 mm
Width	63.0 in / 1600 mm
Width with CDC	88.6 in / 2250 mm
Height	118.5 in / 3010 mm
Height with CDC	145.7 in / 3700 mm
Power consumption	480V, 60Gz
Weight	1900 lbs / 860 kg
Weight with CDC	3440 lbs / 1560 kg

INFORMATION ABOUT GRAIN CLEANER METRA ADS-4000

Aerodynamic grain cleaner and sorter ADS 4000 is developed for any kinds of grain and seed cleaning and sorting (wheat, barley, rice, rye, beans, peas, chickpeas, corn, maize, sunflower, sorghum, soya, oat, buckwheat, rape, mustard, oat, millet, linseeds, any other seeds). The grain cleaner makes pre-cleaning and seed preparation for sowing due to differences in the cultures weight and aerodynamic qualities (winnowing), that makes it possible to sort out the most viable grains with the highest germinability and growth energy.

- Low price and fast return of investment. You can get the invested money during the first year.
- Best suitable for organic production, no damage of seeds (no-sieves technology).
- Sorts out the grains damaged by mycotoxins (fusarium, vomitoxins etc.), Losses from grain diseases could be minimized or eliminated.
- Quick switch from one culture to another. No need to lose a lot of time to changes of sieves.
- Easy operation and machine cleaning.

Premium quality products

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**THE IMPELLER GRAIN CLEANER METRA ADS 8000
CLEANS AND SORTS SEEDS IN THE AIRFLOW.
FOR LARGE AGRICULTURAL BUSINESS, PORT
ELEVATORS AND OTHER POWERFUL GRAIN
OPERATORS.**

METRA ADS 8000 WITH CYCLONE DUST COLLECTOR (CDC)



Productivity in primary grain cleaning	8000 bushels/hour 200 tons/hour
Energy consumption	15.0 - 30.0 kW/hour 20.4 - 40.8 HP
Length Length with CDC	123.2 in / 3130 mm 252.0 in / 6400 mm
Width Width with CDC	68.9 in / 1750 mm 88.6 in / 2250 mm
Height Height with CDC	118.9 in / 3020 mm 145.7 in / 3700 mm
Power consumption	480V, 60Gz
Weight Weight with CDC	2120 lbs / 960 kg 3660 lbs / 1660 kg

INFORMATION ABOUT GRAIN CLEANER METRA ADS-8000

Aerodynamic grain cleaner and sorter ADS 8000 is developed for any kinds of grain and seed cleaning and sorting (wheat, barley, rice, rye, beans, peas, chickpeas, corn, maize, sunflower, sorghum, soya, oat, buckwheat, rape, mustard, oat, millet, linseeds, any other seeds). The grain cleaner makes pre-cleaning and seed preparation for sowing due to differences in the cultures weight and aerodynamic qualities (winnowing), that makes it possible to sort out the most viable grains with the highest germinability and growth energy.

- Low price and fast return of investment. You can get the invested money during the first year.
- Best suitable for organic production, no damage of seeds (no-sieves technology).
- Sorts out the grains damaged by mycotoxins (fusarium, vomitoxins etc.), Losses from grain diseases could be minimized or eliminated.
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- Easy operation and machine cleaning.

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Productivity in primary grain cleaning	1000 bushels/hour 25 tons/hour
Energy consumption	7.7 - 10.3 kW 10.5 - 14.0 HP
Length	255.9 in / 6500 mm
Width	102.4 in / 2600 mm
Height	137.8 in / 3500 mm
Power consumption	220V, 60Gz
Weight	3970 lbs / 1800 kg



MOBILE GRAIN CLEANER METRA MGC-1000 CAN BE USED ON FARMS FOR GRAIN CLEANING AND SORTING INSTEAD OF A WHOLE STATIONARY EQUIPMENT LINE

INFORMATION ABOUT MOBILE GRAIN CLEANER METRA MGC-1000

Grain with the help of the loading conveyor is fed into the storage hopper, in which there are three sensors, two of which are connected to the wheels. When filling the hopper, the sensors turn the movement on or off to avoid overfilling in automatic mode. Further, the grain from the hopper enters the separation chamber, into which a laminar air flow is created, created by the engine with an impeller, where it is divided into fractions into trays. The operator selects the desired tray and using the levers directs them to the shipping conveyor. To collect dust waste, a cyclone sediment chamber is provided, which is also equipped with a second sediment chamber, under which there is a waste bin on wheels. Fresh air is returned through the side duct. Complex adjustment is carried out using the control panel.

- High quality cleaning and calibration of all types of crops.
- Possibility of use indoors.
- Lack of sieves.
- A rotary shipping conveyor, providing loading at the same time on any vehicles.
- Reduced power consumption.
- The cyclone-sedimentary chamber of the closed type, due to which the temperature inside the separator is 5-6% higher than the environment (drying effect).
- Convenience, ergonomics of management

This grain cleaning equipment can work both in automatic mode and in manual mode. In automatic mode, the grain separator «MGC» itself drives up to the heap, loads it and transports it. Capacitive sensors, which are equipped with these machines, monitor the filling of grain in the hopper, and as it is filling, one of the nodes is turned on / off: the self-propelled part or conveyors. Also, "MGC" can be equipped with an additional shipping conveyor or pre-treatment unit.

Self-moving cleaning complexes: economical, environmentally friendly, easy to operate and reliable, and most importantly, they clean and calibrate the grain with high quality. You can order this grain cleaner by calling our manager.

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Productivity in primary grain cleaning	1200 bushels/hour 30 tons/hour
Energy consumption	11.3 kW 15.5 HP
Length	255.9 in / 6500 mm
Width	102.4 in / 2600 mm
Height	137.8 in / 3500 mm
Power consumption	220V, 60Gz
Weight	3970 lbs / 1800 kg



MOBILE GRAIN CLEANER METRA MGC-1200 CAN BE USED ON FARMS FOR GRAIN CLEANING AND SORTING INSTEAD OF A WHOLE STATIONARY EQUIPMENT LINE

INFORMATION ABOUT MOBILE GRAIN CLEANER METRA MGC-1200


Grain with the help of the loading conveyor is fed into the storage hopper, in which there are three sensors, two of which are connected to the wheels. When filling the hopper, the sensors turn the movement on or off to avoid overfilling in automatic mode. Further, the grain from the hopper enters the separation chamber, into which a laminar air flow is created, created by the engine with an impeller, where it is divided into fractions into trays. The operator selects the desired tray and using the levers directs them to the shipping conveyor. To collect dust waste, a cyclone sediment chamber is provided, which is also equipped with a second sediment chamber, under which there is a waste bin on wheels. Fresh air is returned through the side duct. Complex adjustment is carried out using the control panel.

- High quality cleaning and calibration of all types of crops.
- Possibility of use indoors.
- Lack of sieves.
- A rotary shipping conveyor, providing loading at the same time on any vehicles.
- Reduced power consumption.
- The cyclone-sedimentary chamber of the closed type, due to which the temperature inside the separator is 5-6% higher than the environment (drying effect).
- Convenience, ergonomics of management

This grain cleaning equipment can work both in automatic mode and in manual mode. In automatic mode, the grain separator «MGC» itself drives up to the heap, loads it and transports it. Capacitive sensors, which are equipped with these machines, monitor the filling of grain in the hopper, and as it is filling, one of the nodes is turned on / off: the self-propelled part or conveyors. Also, "MGC" can be equipped with an additional shipping conveyor or pre-treatment unit.

Self-moving cleaning complexes: economical, environmentally friendly, easy to operate and reliable, and most importantly, they clean and calibrate the grain with high quality. You can order this grain cleaner by calling our manager.

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Productivity	400 bushels/hour 10 tons/hour
Energy consumption	1.0 - 1.5 kW 1.3 - 2.0 HP
Length	47.2 in / 1198 mm
Width	45.3 in / 1150 mm
Height	51.5 in / 1309 mm
Power consumption	220V, 60Gz
Weight	600 lbs / 270 kg



PRE CLEANER UNIT MAKES METRA ADS GRAIN CLEANERS WITH UNIVERSAL EQUIPMENT FOR CLEANING OF GRAIN

INFORMATION ABOUT METRA GPC - 400


The pre-treatment unit is designed for pre-treatment and separation of large fractions from a common pile of grain, legumes, vegetables and melons, as well as all kinds of loose mixtures.

METRA GPC is a bunker with a rotating calibration grid installed in it. The grid is mounted on a removable frame and is driven by a gear motor. The rotation speed is controlled by a frequency converter.

OPERATING PRINCIPLE OF METRA GPC - 400

The operation of the unit is reduced to the separation of grain size from the heap by shaking it through a mesh netting, the cells of which are of a certain size. Initially, the grain enters the bottom of the grid, after which it continues to move up until it falls down. Large debris that has not passed through the grid cells falls into the receiving funnels to enter the waste bin or into the cyclone sedimentation chamber. Next, the grain enters the receiving hopper of the METRA ADS separator, or another receiving device for further transportation or processing. METRA GPC can operate independently or together with the separator METRA ADS or METRA MGC. The use of a pre-treatment unit will allow achieving ideal results for cleaning grain with any weed and in just one pass.

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Productivity	2000 bushels/hour 50 tons/hour
Energy consumption	0.75 - 1.5 kW 1.0 - 2.0 HP
Length	78.7 in / 2000 mm
Width	37.7 in / 960 mm
Height	39.4 in / 1000 mm
Power consumption	220V, 60Gz
Weight	1110 lbs / 500 kg



PRE CLEANER UNIT MAKES METRA ADS GRAIN CLEANERS WITH UNIVERSAL EQUIPMENT FOR CLEANING OF GRAIN

INFORMATION ABOUT METRA GPC - 2000


The pre-treatment unit is designed for pre-treatment and separation of large fractions from a common pile of grain, legumes, vegetables and melons, as well as all kinds of loose mixtures.


METRA GPC is a bunker with a rotating calibration grid installed in it. The grid is mounted on a removable frame and is driven by a gear motor. The rotation speed is controlled by a frequency converter.


OPERATING PRINCIPLE OF METRA GPC - 2000

The operation of the unit is reduced to the separation of grain size from the heap by shaking it through a mesh netting, the cells of which are of a certain size. Initially, the grain enters the bottom of the grid, after which it continues to move up until it falls down. Large debris that has not passed through the grid cells falls into the receiving funnels to enter the waste bin or into the cyclone sedimentation chamber. Next, the grain enters the receiving hopper of the METRA ADS separator, or another receiving device for further transportation or processing. METRA GPC can operate independently or together with the separator METRA ADS or METRA MGC. The use of a pre-treatment unit will allow achieving ideal results for cleaning grain with any weed and in just one pass.


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SERVICE COMMITMENT

24/7 technical support.

An intelligent system is built into each model with the help of which we can connect to the machine at any time, help you adjust your required settings, or make diagnostics before the cleaning season, as well as after it.

We take care of everything from delivery to training



Delivery anywhere in the world



Complimentary lifetime support



Set up on site and remotely



We provide training on how to operate the equipment



Professional solution for grain cleaning, quality classification & impurity removal



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«METRA» can replace 2–3 types of machines connected in one technological line

«METRA» cleans and calibrates any type of cereals

«METRA» does not damage the grain

«METRA» does not require maintenance

«METRA» has no screens



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