



A company you can trust **the care of** your grains

With **95 years** of history within the fields, **Kepler** combines experience and innovation to deliver complete and efficient solutions to each of the customers, whether they are small producers or large industries.

Metal silos, horizontal and vertical conveyors, dryers and cleaning machines: the variety and quality of the equipment guarantee better performance in the postharvest, reduction of crop waste, safety in operations and preservation of the environment.

The guarantee of better results, combined with a broad portfolio of products and services, makes **Kepler** the leader in the industry in Latin America and one of the great powers of agribusiness worldwide, present in more than 50 countries on five continents.

More than storing and moving bulks, Kepler delivers complete solutions to preserve the quality of its grains to the maximum.



Developed according to current standards and specific structural differentials, Kepler Weber silos offer the market quality assurance in storage and safety in operation, while also providing the benefits of sync technology. Reliability and decision-making power in the customer's hands.



Technical Specifications

Models	24 - 120 (soybean/maize) 48 - 60 - 72 - 90 (rice)	
Capacity (tons*)	146 a 22,310 (soybean/maize) 1,306 a 9,752 (rice)	*With compaction factor of 6%
Volume (m ³)	183 to 28,063	
Diameter (m)	7.3 to 36.4	
Height (m)	5.8 to 34.3	
Roof Pitch (°)	30	
Aeration	Big channel, small channel, false square bottom, total false bottom	
Skylight cover	Translucent for lighting and security	
Thermometry	Digital (microchip)	
Grain spreader	Kinetic or motorized	
Ladders	Marine-type ladder and winding stairway	
Safety Standards	NR 12 NPT 027 (configurable) NBR 6123 (up to 144 km/h) ANSIS/ASAE EP 433	
Connectivity	Versions: Portable: digital thermometry with portable reading via Bluetooth and mobile applica Digital Plus: digital thermometry with real-time information accessible via the KW Clor Automatic: digital thermometry with real-time information accessible via the KW Clor of operational aeration functionalities (drving cooling conservation maintenance)	tion. Jud application. Jud application and management

Access and Security

- Trolley monorail
- Rescue tile
- Internal anchor points along the vertical every 4 m
- Internal anchor points along the silo diameter (quantity according to model)
- Monopod support for lifting up to 140 kg
- Wind rings
- Access doors (roof and body)
- Guardrail on the roof
- Air vents



To make the post-harvest processes more flexible and optimized, hopper bottom silos have unique technical characteristics that differentiate them from the market. In addition to the high robustness, this range of silos is available with a capacity of up to 1,327 tons.



Technical Specifications

Models	12 to 36 (soybean/maize/rice)	
Capacity (tons)	21 a 1,327 (soybean/maize) 17 a 1,061(rice)	*Without compaction factor
Volume (m ³)	29 to 1,769	
Diameter (m)	3.6 to 10.9	
Height (m)	5.8 to 25.2	
Roof slope (°)	30	
Aeration	Optional (centrifugal fans, use of channels)	
Skylight cover	Translucent for lighting and security	
Dispatch	Structure available for models 15 and 18 (headroom 4.6 m)	
Expedição	Disponível estrutura para os modelos 15 e 18 (altura livre 4,6 m)	
Safety Standards	NR 12 NPT 027 (configurable) NBR 6123 (up to144 km/h) ANSIS/ASAE EP 433	

Access and Security

- Monorail for trolley: from silo model 24
- Rescue tile: from silo model 24 0
- Internal anchor points along the vertical every 4 m ۲
- Internal anchor points along the silo diameter (quantity according to model) 0

- Monopod support for lifting up to 140 kg: from silo model 24 ø
- Access doors (roof and body) ė
- Guardrail on the roof ė
- Air vents .



Economical and efficient, the ADS range dryers are available in different capacities and airflow options. ADS dryers aim to meet the specific needs of each customer, always considering operational safety and Kepler Weber quality. This range of dryers is also prepared for sync technology.



Technical Specifications

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Models	KW 10 to 200 (soybean/maize)
Air flow	DR (Double Recirculation), R (Cooling Recirculation), CIR (Recirculated Whole Column)
Capacities (tons/h) - R Flow	10 to 100 (soybean) 8 to 75 (maize)
Capacities (tons/h) - CIR flow	53 to 130 (soybean) 39 to 98 (maize)
Capacities (tons/h) - DR Flow	100 to 200 (soybean) 75 to 150 (maize)
Particle capture	Cyclone for models above KW 40
Installed Power (hp)	10 to 150
Level sensors	Minimum and maximum
Temperature sensors	Yes (depending on model)
Load	Gravity or conveyor (only for models KW 100 to KW 200)
Particulate emissions (mg/Nm ³)	37 (complies with current legislation)
Safety Standards	NR 12 NPT 027 (configurable)
Connectivity	 Versions: Drying monitoring: operation information in real time via the KW Cloud application. Drying temperature control: operating information in real time via the KW Cloud application + heat generator fuel supply automatically, through mechanization (conveyor/power system). Drying automation: operation information in real time via KW Cloud application + drying temperature

control + grain humidity control through automatic modulation of the discharge.

Characteristics

- Monitoring the operation for better drying performance
- It monitors how many t/h are being offloaded
- Safety in operation with drying quality
- event alarms and preventive maintenance



The KW Dryer range dryers were developed for better energy yield and drying efficiency. Its modularized design reduces installation time and makes the operation safer. Its vortex capture system complies with current legislation for particulate emissions. With the sync technology, the KW Dryer line allows an automatic drying process.



Technical Specifications

Models (soybeans and maize)	Dryer 20 to 200
Models (rice)	Dryer 750 to 3800
Air flow	R (Cooling), CIR (Recirculated Whole Column), CI (Whole Column)
Capacities (tons/h) - R Flow	20 to 200 (soybean) 15 to 150 (maize)
Capacities (tons/h) - CIR Flow	50 to 250 (soybean) 38 to 188 (maize)
Capacities (tons/h) - CI Flow	5 to 58 (rice)
Particle capture	Vortex
Installed power (hp) - R Flow	30 to 320
Installed power (hp) - CIR flow	80 to 400
Installed power (hp) - CI Flow	25 to 210
Level sensors	Minimum, intermediate and maximum
Temperature sensors	Drying air, grain mass and exhaust air
Load	Gravity or conveyor
Particulate emissions (mg/Nm ³)	17 (complies with current legislation)
Safety Standards	NR 12 NPT 027 (configurable)
Connectivity	 Versions: Drying monitoring: operation information in real time via the KW Cloud application. Drying temperature control: operating information in real time via the KW Cloud application + heat generator fuel supply automatically, through mechanization (conveyor/power system).

Drying automation: operation information in real time via KW Cloud application + drying temperature control + grain humidity control through automatic modulation of the discharge.

Characteristics

- It monitors the operation for better performance of drying
- It monitors how many t/h are being offloaded
- Safety in operation with drying quality
- Event alarms and preventive maintenance.

Opened Cleaning Machines (ML)

Cleaning machines with open sieving boxes. Simplicity and efficiency that guarantee the necessary removal of the impurities present in the grain mass. It enables expansion of the control panel for connectivity with sync technology.



Technical Specifications

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Models	50, 60 or 120
Pre-cleaning capacities (tons/h)	50 to 120
Cleaning capacities (tons/h)	38 to 90
Height (m)	4.2 to 5.5
Sieve opening area (m²)	Up to 22
Safety standards	NR 12
Control panel	Dedicated (depending on model)
Recirculation of suction air	With frequency inverter regulation (only for ML120)
Connectivity	 Optional (for connectivity, purchase of the control panel extension kit of command board is necessary). Monitoring: It monitors machine conditions in operation Event alarms and preventive maintenance Operating hours It monitors all sensors remotely

Condition of the engines (on/off or failures)
Current (amperage) of the engines to monitor consumption.

Closed Cleaning Machines (SCS)

Cleaning machines with closed sieving boxes. They clean in three different stages. Robustness and safety with guaranteed performance. Control panel with option for connectivity with sync technology.



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Models	170 or 240
Pre-cleaning capacities (tons/h)	170 to 240
Cleaning capacities (tons/h)	128 to 180
Height (m)	7 to 9
Sieve opening area (m²)	Up to 43
Safety standards	NR 12
Control panel	Dedicated
Recirculation of suction air	With regulation by frequency inverter
Thick impurity removal	Scalper: the entrance of the grains with the impurities is made on the equipment. SIG - Separation of thick impurities: the entrance of the grains with impurities occurs inside the equipment.
Sensors	Misalignment
Connectivity	Control panel prepared for connectivity. Monitoring: It monitors machine conditions in operation Event alarms and preventive maintenance Operating hours It monitors all sensors remotely Condition of the engines (on/off or failures) Current (amperage) of the engines to monitor consumption It monitors the frequency of the inverter

Rotary Cleaning Machines (MLR)

Cleaning machines with rotary sieving and different inclination and speed options. High cleaning capabilities and efficiency in pod separation. Control panel with option for connectivity with sync technology.



Models	MLR 416 and 516
Pre-cleaning capacities (tons/h)	200 to 300
Cleaning capacities (tons/h)	140 to 200
Height (m)	4.9 or as per layout
Sieve opening area (m ²)	Up to 24
Safety Standards	NR 12
Control panel	Dedicated
Suction regulation	Frequency inverter
Drum inclination (°)	1.5 to 5.0
Drum rotation	Frequency inverter
Sieve exchange	Quick with locking system
Suction system	Dedicated to grain mass
Connectivity	Control panel prepared for connectivity. Monitoring: It monitors machine conditions in operation Event alarms and preventive maintenance Operating hours It monitors all sensors remotely Condition of the engines (on/off or failures) Current (amperage) of the engines to monitor consumption It monitors the frequency of the inverter



For a more practical dispatch and flow of grains, Kepler Weber dispatch hoppers are available for grains and impurities, with different degrees of inclination and capacity options.



Models	35° funnel 60° funnel	
Volume (m ³)	55 to 165 (35°) 60 to 180 (60°)	
Capacity (tons*)	40 to 120 (35°) 35 to 105 (60°)	*Specific weight 0.75 tons/m³ (35°) Specific weight 0.60 tons/m³ (60°)
Free span dimensions (m)	4 and 5	
Safety Standards	NR 12	



Dimensioned for winds of up to 144 km/h, Kepler Weber elevators offer the customer security and agility in transportation, being available for different capacities and with the option of connectivity with the sync platform.



Models	EA1 to EA6
Capacities (tons/h) - Grains	24 to 480 (0.60 tons/m ³) 30 to 600 (0.75 tons/m ³)
Capacities (tons/h) - Seeds	16 to 64 (0.60 tons/m ³) 20 to 75 (0.75 tons/m ³)
Capacities (tons/h) - Bran	15 to 60 (0.55 tons/m ³)
Capacities (tons/h) - Impurity	9 to 35 (0.35 tons/m³)
Maximum height (m)	Up to 56
Speeds (m/s)	1.30 to 3.6
Body modulation (m)	2
Sensors	Movement, bushing, temperature and misalignment
Drives	Hollow Axis: Type FA up to 30 hp Type 40 to 60 hp Torqloc: Type FT 1.5 to 10 hp With coupling: MTD Type K up to 60 hp Type X reducer from 75 to 200 hp
Platforms	Upper and intermediate
Windows	Pressure inspection and relief
Belt	3 or 4 antistatic and flameproof tarps
Safety Standards	NR 12 and NBR 6123 (up to 144 km/h)
Connectivity	Optional Version with IoT panel that monitors the equipment sensors



Along its length, the Belts Conveyor allow loading and unloading of product as needed for each layout. Metallic construction with galvanized finish, the belts operate with smooth and quiet movement, ensuring safety and efficiency in transportation. The Belt Conveyor line can be connected to the sync platform.



Models	16 - 20 - 24 - 27 - 30
Capacities (tons/h)	48 to 320 (rice) 60 to 400 (soybean and maize)
Length (m)	6 to 150
Belt	2 or 3 antistatic and flameproof tarps
Turnbuckle	Manual (up to 49.5 m) Automatic (50 to 99.5 m) Return Branch (100 to 150 m)
Modulation (m)	0.5
Installed Power (hp)	3 to 20
Safety Standards	It aims to comply with NR 12
Sensors	Movement and temperature
Discharge	Standard or Tripper
Load	Continuous gutter or hopper
Connectivity	Optional Version with IoT panel that monitors the equipment's sensors



To ensure durability, agro-industrial chain conveyors are constructed of zinc-coated steel and first-rate moving parts. Its robustness allows it to operate in high capacities, speeding up the transport process in the units, and can also be connected with sync technology.



Models	160 - 200 - 250 - 280 - 315 - 400 (soybean and maize) 200 - 250 - 315 - 400 - 500 (rice)
Capacities (tons/h)	60 to 300 (soybean and maize) 50 to 220 (rice)
Maximum length (m)	100 (soybean and maize) 40 (rice)
Speed (m/s)	0.69 to 0.72 (soybean and maize) 0.48 (rice)
Body	Single or double
Modulation (m)	2.0 2.5 3.0
Installed Power (hp)	3 to 30
Inclined operation (°)	Up to 12
Sensors	Movement, bushing and temperature
Safety Standards	NR 12
Movement	One-way or Reversible
Registers Linhas específica	Manual or pneumatic
Specific lines	Soybean and maize line and rice line
Connectivity	Optional Version with IoT panel that monitors the equipment's sensors

Combined Chain Conveyors

Available in two inclination options, the Combined Chain Conveyors have been developed to meet grain transport both horizontally and vertically in a single product. In addition to the ease of layout adjustments, this type of transporter also improves the operational security of the site, and can also be connected to sync technology.



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Models	120 and 240
Capacities (tons/h)	120 and 240
Inclinations (°)	30 or 45
Heights (m)	2 4 6 10
Modulation (m)	1.0 1.5 2.0 3.0
Installed Power (hp)	TCRC 120: 4 to 25 TCRC 240: 7.5 to 50
Registers	Manual or pneumatic
Sensors	Movement, bushing and temperature
Safety Standards	NR 12
Connectivity	Optional Version with Io T panel that monitors the equipment's sensors

Sync: The future for your post-harvest

A set of integrated solutions with the most advanced technology, ensuring the best results for your production.

Digital Thermometry

Through digital thermometry (microchip), monitor, at any time, the temperature of the stored grains and ensure the safety and quality of your product.

IoT KW Cloud Portal

Have in your hands the benefit of monitoring and managing your entire storage plant, or each piece of equipment individually at any time, through the application on your mobile phone.

Control Panels

Make it easier to control equipment and operations, through a line of panels that follow international standards and integrate with the IoT KW Cloud Portal.

Drying Automation

Have the freedom to monitor the drying process of your grains on your smartphone, while also monitoring the moisture of your product in real time throughout the drying process.

Optimize time, reduce costs, increase productivity and preserve quality. Control your post-harvest from anywhere, anytime. **Sync technology: the solution for the future of your production.**



PRESENT IN MORE THAN 50 COUNTRIES

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