

ROW INDEPENDENT CORN HEAD

 **MDD-100**



MAINERO



HARVEST ANY ROW SPACING, IN ANY DIRECTION

www.mainero.com

MDD-100

ROW INDEPENDENT CORN HEAD

There are many kinds of corn heads but they all require the head to match up with the row spacing planted and the operator must travel in the same direction it was planted.

The Mainero MDD-100 Row Independent corn head can harvest any and every row-spacing and in any direction without adjustments or modifications in a wide range of crop conditions.

Even in downed crops this corn head keep loss levels at a minimum and without ground speed restrictions. This new design allows stalks to enter the row-unit stripping area smoothly where they are misaligned.

The new, shorter snouts are mounted more rearward as compared to previous heads allowing the row unit gathering chains to work further ahead with a gentler action. The open-sided snout design allows the corn stalk to stay attached to the ground and then gently eased over rather than break off as with a conventional snout.

The new double-sprocket gathering chain tensor arm provides a wide V-shape that forms a broad entry channel for misaligned stalks allowing them to get to the stripping area without being shaken, thus avoiding the ear to drop.

It allows the farmer to plant corn at any row spacing and allows the custom harvesters to fit every row spacing and harvest in any direction with just one header.

Customer's testimony

"I believe that the MDD-100 is one of the best engineered corn heads in the market"



AMAZINGLY SIMPLE. SIMPLY AMAZING...



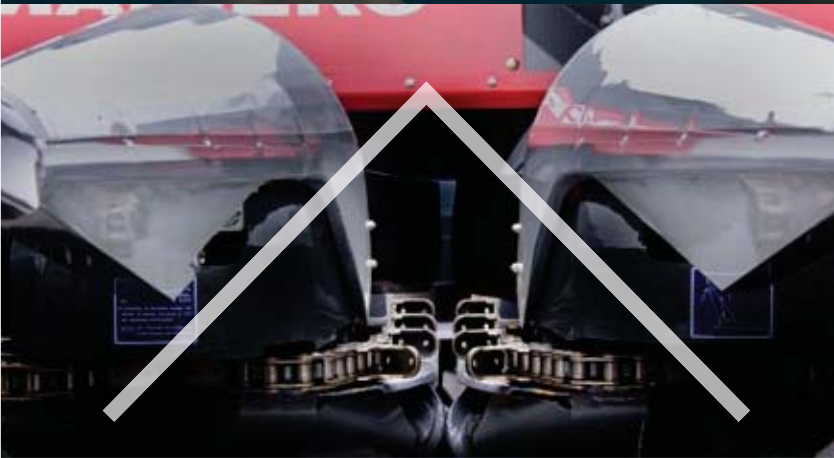
MAINERO



HOW DOES IT WORK?

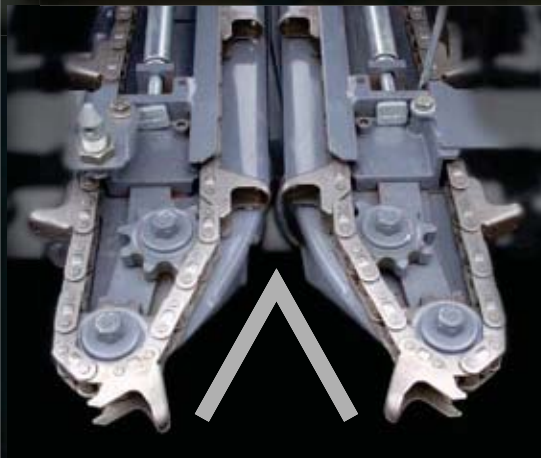
AUXILIARY AUGERS ON SIDE FENDERS:

Reduces side losses and increases daily productivity mainly in weedy, downed or wet crops.



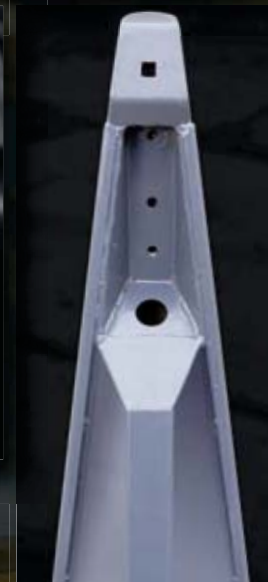
SNOUTS:

The open-side design of the Stainless Steel snouts allows the stalks to be eased over to get lined up to the gathering chains without excessive shock to the plant. This exclusive design from MAINERO gives up to four times longer life compared with regular poly ones, and enable a smoother transit of the crop into the gathering chains. The combination of both designs (snouts and gathering chains) results in high efficiency corn harvesting that reduces grain losses and allows the operator to maintain normal working speed, even in different row spacing.



GATHERING CHAINS:

The "V" configuration of the gathering chains give the stalks ample space to be guided into the stalks rolls.



HEAD SIGHT:

Three snouts on 24' and 28' headers and four snouts on 31' and 35' headers are ready to mount a head sight control, assuring that the header will follow the ground contour in any condition (The head sight equipment is not included).



Oil bath side roller chain transmission with automatic tensor that assures low maintenance and long operating life.



MAINERO

HEAVY DUTY TRAILER

Heavy chassis, dual wheels, electric brakes, and traffic lights assures a stable, smooth and safe transport of the header in any road, or in the field.

TRANSPORT POSITION:

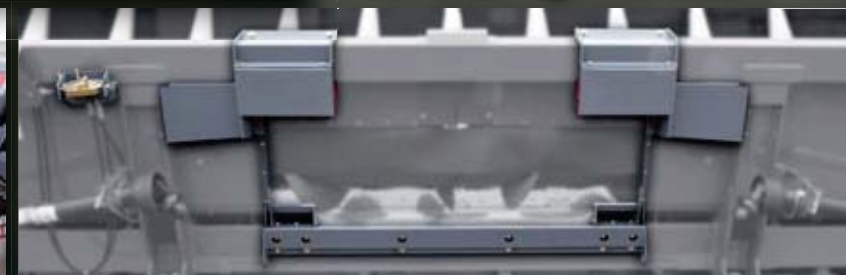
The header meets transport width limitations. Snouts can be raised vertically and automatically latch into locked position.

Each snout features a sturdy stand with height adjustment for quick an easy operation



Customer's testimony

"My 35' MAINERO corn header is using less fuel per acre than my former 8 row 30' corn head"



One "maintenance free" torque limiter for each row unit protects the mechanism against overload.

The deck plates are hydraulically controlled from the combine seat for easy adjustment. A clear indicator needle show the plates position to the operator.

With a simple and practical operation hoods and snouts tilt to facilitate maintenance.

Simply and easy attachment of header to combine. Each header is "customized" with a specific kit for each combine brand and model that includes the adapting frame, the hydraulic and electric coupler, the necessary gears and the color plates to match with any combine brand.

LEADING THE WAY SINCE 1933

Carlos Miguel was born in Turin, Italy in 1889. Since very early in his life, he felt a calling for the handling of iron. Artistic Blacksmith had him as one of its protagonists. A man of action, he searched for new horizons for his ideas. That was how in 1900 he crossed the Atlantic Ocean. Already as an immigrant, he established in Bell Ville where he grasped the dimension of the opportunity that the agricultural activity offered. He saw in agriculture the need of raising the level of technical knowledge and humanizing work. With the courage, tenacity and conviction of an entrepreneur, he established "Carlos Mainero y Cía". It was 1933. He gathered forces inviting to his project his nephews Francisco Lambertini and Carlos Bernardi and from that moment on, the three of them became the pillars of this story that turned over time into what we call "The Eternal Entrepreneurs Flame".

MAINERO AND ITS THIRD GENERATION

The sons of the sons of the founders are today an active part in the life of the company. With pride, capability, knowledge and commitment towards work, they continue the line of their ancestors to be today's leaders in the Argentine market.



THE FIRST HEADER

In the year 1944, the world's first sunflower header belonging to Mainero came to life from the workshops. In this way Mainero made its contribution to the world's achievement of adopting this type of technology in all sunflower producing countries.

In 1952 the corn header with independent gathering chains came to existence. This innovation from Mainero changed the whole harvesting result, allowing to work regardless of the crop condition, whether humid or by recovery of downed plants. It further enhanced the harvester's advance speed and allowed working during more hours a day and more hectares per hour.

Since 1952 until today, such system continues to be adopted by all manufacturers, ensuring the performance that today's large combines require.



Customer's testimony

"I trust in a family owned company that is building Corn Headers for 65 years"



Carlos Mainero

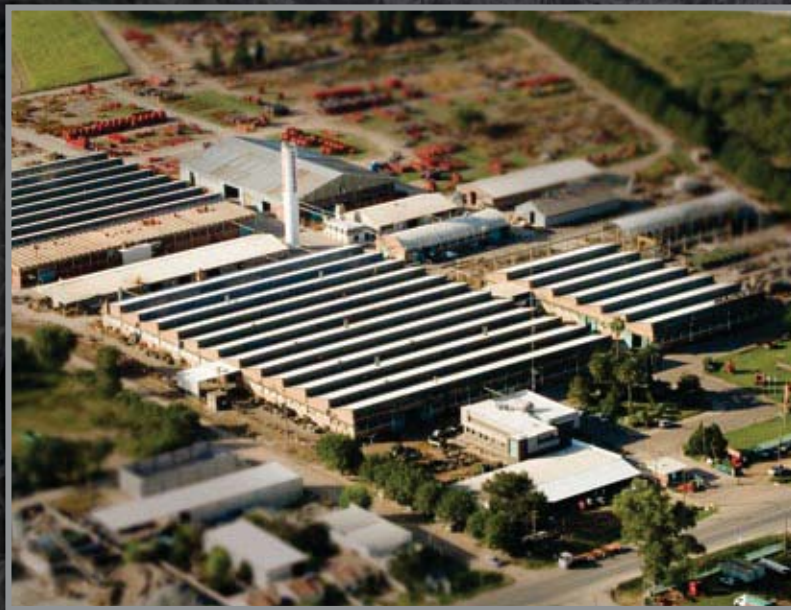
Since 1933



MAINERO

MANUFACTURING FACILITIES

Since the first 850 sq ft workshop from the 30's, Mainero has had a constant growth in terms of surface, headcount and machinery, up to the current 375,000 sq ft under roof factory that works 24/7, manufacturing the most reliable, advanced and efficient agricultural machinery. Lasers, welding robots, a modern painting facility, CNC machining centers, assembly lines capable of mounting different products and the most valuable resource, its people, makes of Mainero a leader company in the industry.



FOREIGN MARKETS

Mainero counts on a constant strategy to export its products to every country with the need of modern and reliable agricultural machinery. Farmers from Argentina, Uruguay, Paraguay, Peru, Equator, Chile, Venezuela, Brazil, United States of America, South Africa, Australia and several European countries are aware of the quality of Mainero products which meet their needs with efficiency, low maintenance costs and a high resale value.



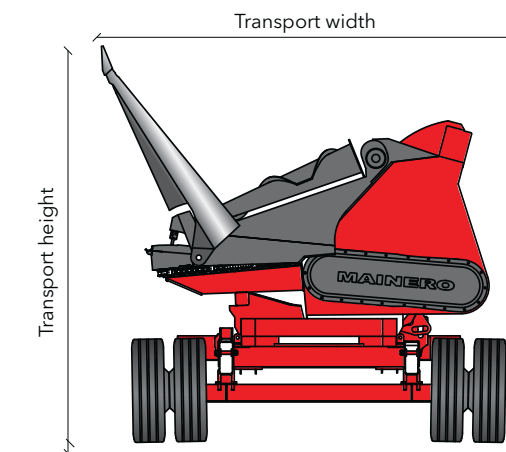
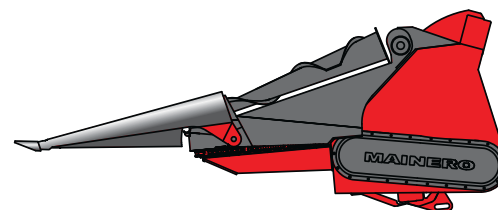
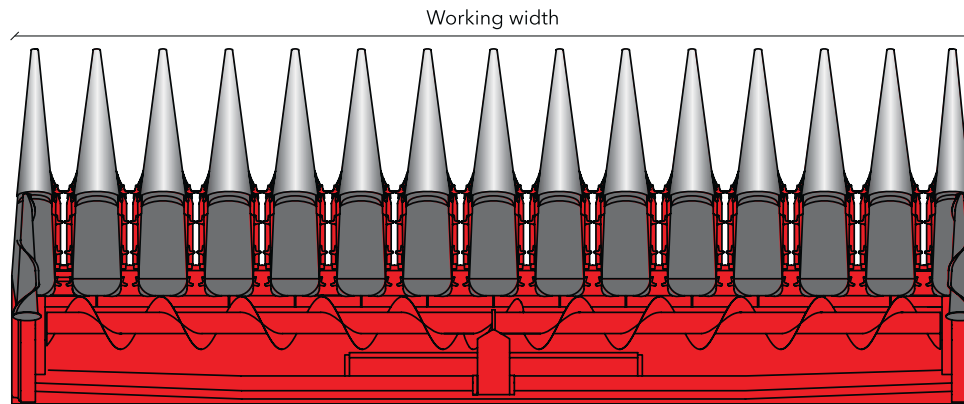


MDD-100

ROW INDEPENDENT CORN HEAD - SPECIFICATIONS

Row units number - 525 mm (21")	14	16	18	20
Working width:	24'	28'	31'	35'
	7,35 m	8,4 m	9,45 m	10,5 m
# of rows which harvest				
350 mm (14 in):	21	24	27	30
380 mm (15 in):	19	22	25	28
420 mm (17 in):	18	20	23	25
525 mm (21 in):	14	16	18	20
700 mm (27 in):	11	12	14	15
760 mm (30 in):	10	11	13	15
910 mm (36 in):	8	10	11	12
Drive:	60° free rotation yoke pto drive. ASA 80 H oil bath roller chain.			
Gearboxes:	Oil bath.			
Row unit safety clutch:	One per row unit. Preloaded. Non adjustable.			
Stalk Rolls:	Mounting:	Double support. Steel bushing at front end support.		
Flutes type and quantity:	Four straight simple flutes at front end and double at rear end.			
Snapping plates:	Hidraulically adjustable.			
Gathering chains:	Type:	CA2801. 66 pitches.		
Conveying lugs quantity:	8			
Auger:	Drive:	Dual independent drive and central support (simple drive in 14 row unit).		
Speed:	160 r.p.m.			
Mounting:	Hex shaft on spherical bearings. Adjustable.			
Safety clutch:	One clutch each drive. Preloaded. Non adjustable.			
Snouts and shields:	Stainless Steel made in the friction area			
Side augers:	Standard feature. Mechanical drive.			
Trailer:	360° swivel ring front axle with transverse springs. Tandem rear axle with transverse springs (single axle for 14 row units trailer). Dual tires, 8 or 12 tires - 175/65 R 14			
Brakes:	Electric			
Dimensions:				
Transport width:	90" - 2.290 mm			
Transport height:	88" - 2.235 mm			
Weight:	7,043 lbs	7,936 lbs	8,730 lbs	9,623 lbs
	3.195 kg	3.600 kg	3.960 kg	4.365 kg

Specifications and design subject to change without notice.



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