

Semi-mounted plows



www.kuhn.com

VARI-LANDER XC



be strong, **be KUHN**



VARI-LANDER

XC

The KUHN Plow

The future of farming lies in competitiveness and profitability. The LANDER range concept with its advanced features will contribute to a quick return on your investment.

The Kuhn plow will allow you to :

- Maintain high quality soil structure through efficient burial of trash and organic material while maintaining an even soil distribution for increased crop yields. Exposed soil warms and dries faster to advance planting time.
- On the go hydraulic adjustable working width to best match plowing conditions and tractive effort. Exceptional trash clearance and capability to handle today's high yielding hybrids.
- Benefit from innovations such as; a non-stop hydraulic reset system, massive plow beam, extra-large tail wheel, and modular design. The working life of the plow is increased, maintenance costs are reduced, bottoms can be added if tractor size increases.
- Profit from a renowned reliability and long working life allowing you to work throughout the day without interruption - your plow will also keep a high second - hand value.

Opt for a Kuhn plow - because obtaining high yields and optimising financial results all starts with high quality ploughing.



KUHN has the machines that meet your Plowing requirements in terms of :



FOR QUICK AND EASY PLOW TO TRACTOR ADAPTATION

A new generation of plows designed for optimum output (variable width, non stop hydraulic reset systems).

The ease of adjustment, the quality of the parts and the strength of the materials used give the Lander series unequalled working life and comfort.

ROBUST PLOW BEAM

The 220 x 220mm (8.7"x 8.7") square section beam assures a long and trouble free working life.



All linkages are manufactured from high quality steel and offer exceptional strength for all working conditions. All moving joints are bushed for extra long life.

High trash clearance : with a large point to point clearance of 115 cm (45") and an underbeam clearance of 87 cm (34.3") the Vari-Lander was specifically designed to perform in ground covered with large quantities of trash and vegetation.



EXCLUSIVE TO KUHN

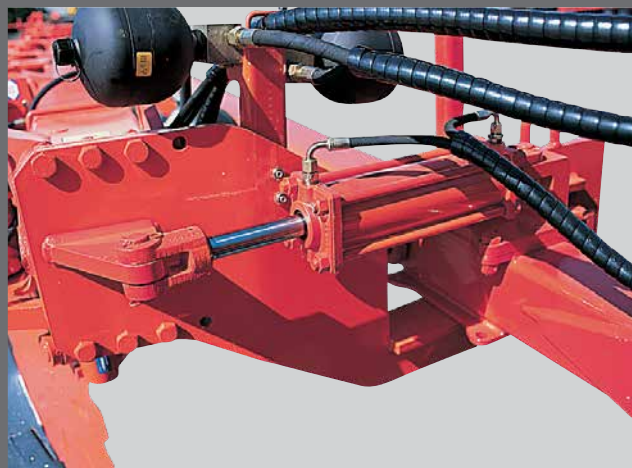
Vari-Lander : featuring the Kuhn variable width system.

Available exclusively from Kuhn, the variable width mechanism is enclosed inside the plow beam. All linkages and pivot points are in this way protected from damage and wear caused by impact, dirt, and corrosion.

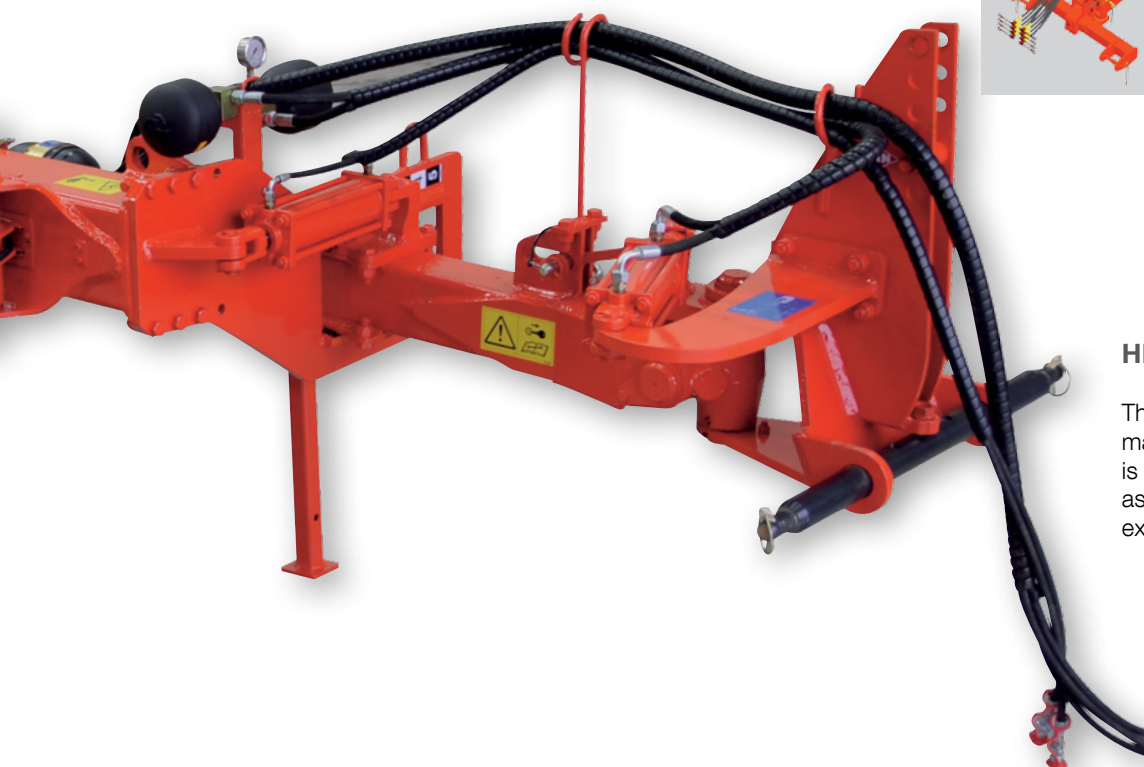
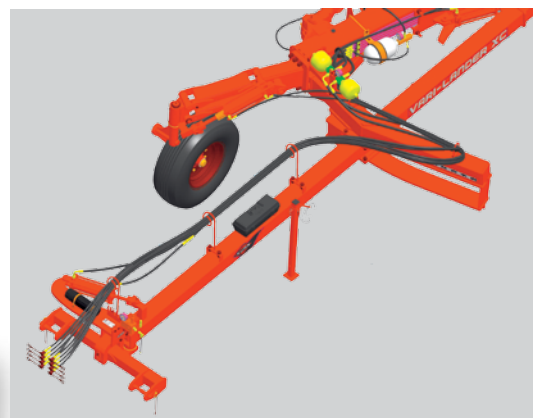
LONG TRAVEL HYDRAULIC OFFSETTING



Available as standard, offsetting can be carried out from the tractor seat and allows the 1st bottom to be totally removed from work. This can be a useful asset for a quick adjustment of the plough to suit ploughing conditions and available tractor power.



ON LAND HITCH



HEAD STOCK

The heavy duty cross-shaft manufactured from heat treated steel is fully supported in the headstock assembly to withstand even the most extreme working loads.

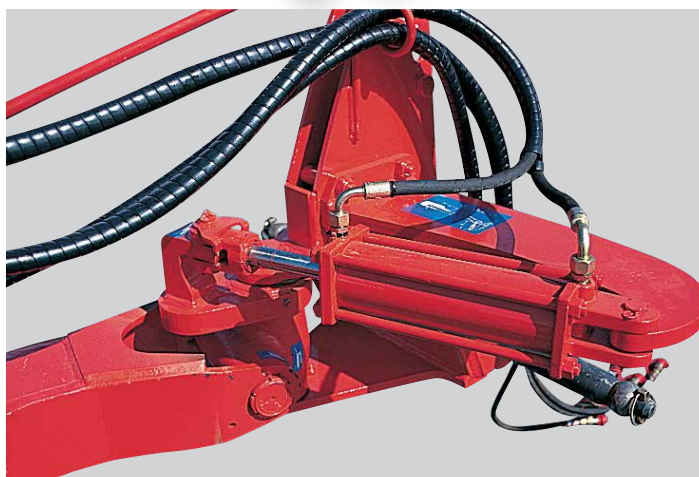
THE LANDER RANGE FEATURES HYDRAULIC STEERING



The rear wheel is steered by a hydraulic cylinder slaved to a headstock mounted master cylinder.

Complete and precise steering control is achieved with a minimum of wearing parts for a long and trouble free service life.

A pair of large capacity accumulators cushions shock loads on the steering system allowing the operator to even back over dead furrows without worry.



HYDRAULIC TECHNOLOGY TO ADAPT TO ALL WORKING CONDITIONS

Non-stop hydraulic reset



THE SEVEN MAIN FEATURES



- Long life and reliability : the use of hydraulic technology is more reliable due to fewer moving parts and no points of wear or friction.
- Easy to adjust : instantaneous and precise adjustment on all bodies. The force needed to push the bottom back and out work can be adjusted from 1320 to 2860kg or up to 5500kg if the Maxibar option is fitted.
- Solid working performance : up until the release pressure is reached the bodies are held firmly in work with no "tapping". All shocks are absorbed increasing driver comfort.
- Compactness : the ram is integrated into the plow leg avoiding any risk of vegetation build-up during work.
- Exceptional clearances : the bottom can lift 60cm (24") out of work and move 20cm (8") sideways.
- Exclusive options : Maxibar and Varibar.



SINGLE WHEEL FOR DEPTH AND STEERING CONTROL



In the work position, the wheel works "on land" for optimal performance and minimum soil compaction. The wheel is, situated on the end for the best possible weight distribution and increased traction at the tractor wheels. In the transport position the width is limited to an easy to manage 2.5m (8.2"). The rear wheel is steered hydraulically by the headstock to follow all tractor maneuvers.

THE MAXIBAR™ AND VARIBAR™ OPTION

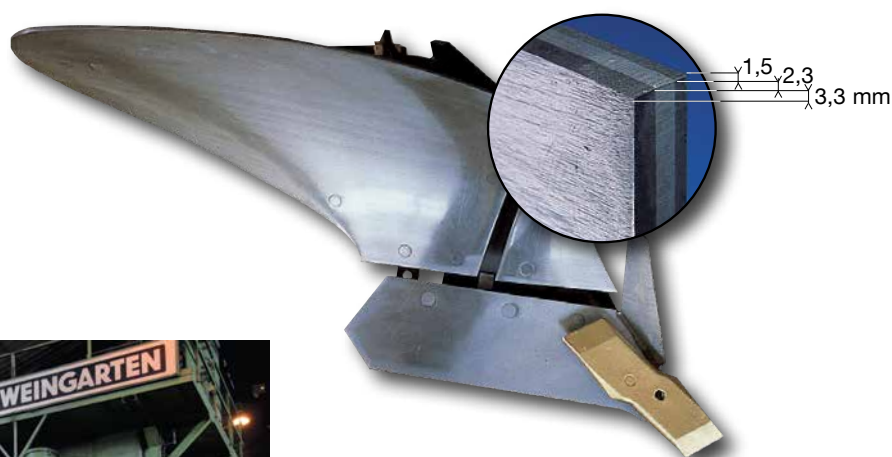


The Varibar is an option allowing the pressure at the plow point to be adjusted on the move in the tractor cab. This allows an instantaneous adjustment to changing soil conditions in the field. The Maxibar option increases the pressure at the plow point for pressures up to 5500kg for use in extreme conditions (heavy ground, compacted soils).



HIGH QUALITY EQUIPMENT

1 - MOULDBOARDS WITH UNEQUAL LAYER TRIPLEX STEEL



EXCLUSIVE TO KUHN

- Kuhn mouldboards are made of unequal layer Triplex steel.
- The thickness of the wearing surface is increased to 3.3mm - an exclusive feature.

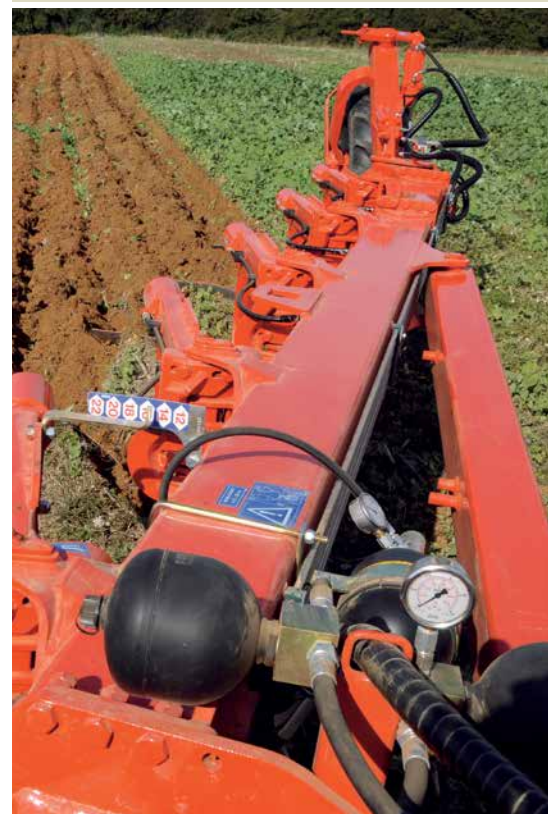


2 - PLOW SHARES DESIGNED TO REDUCE WEARING COST



Shares are forged with a force of 5500 tonnes ensuring:

- excellent wear resistance,
- self-sharpening profile due to the grain in the steel resulting from the forging process.



REVERSIBLE LANDSIDES

The use of reversible landsides ensures :

- an important reduction in wearing parts costs (twice the working life).
- a protected bolt mount preventing shearing of the bolt in work.



Helicoidal cylindric "N" 15 to 30 cm (5.9" to 11.8")

The N bottom with a cylindrical front and helicoidal rear offers high versatility with a low draught requirement. Leaves a smoother finish. Well suited for spring plowing.



Scandinavian type Helicoidal "HC" 20 to 30 cm (7.9" to 11.8")

Giving a well formed plough furrow, the H bottom is well adapted to heavy clay soils.



Slatted "V" 20 to 30 cm (5.9" to 11.8")

The V comprises independent and interchangeable slats. The slats serve to reduce blocking in sticky soil conditions.



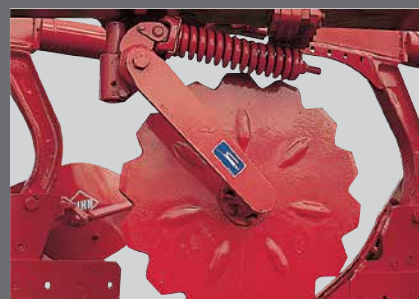
TRASHBOARD

For trash burial in difficult conditions where the quantity of trash may otherwise block up the skimmers.



ZRL HIGH CAPACITY SKIMMER

High capacity skimmer for trash incorporation throughout the soil profile. Excellent straw and maize trash burial.



DISC COULTERS

Fitted with non-stop security for the Vari-Lander the 500mm (20") or 570mm (22") disc coulters are available in plain or notched form.

The discs ensure a clean cut in front of the plow bottom giving a clean furrow wall and improve the trash incorporation of the moldboard. The discs are adjustable in two dimensions : height and side to side.



Specifications

VARI-LANDER XC

Number of bottoms	Under beam clearance (cm/in)	Point to point (cm/in)	Working width (cm/in)	Width adjustment	Safety system	Wheel	On-land version max operating width	Maximum tractor power (hp)
4	87 (34,3")	115 (45")	28 to 56 cm (11" to 22")	Hydraulic as standard	NON STOP HYDRAULIC	Rear mono wheel for work and transport	for Tractor wheel spacing up to 13	120
5								150
6								210
7								240

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