



BISO VX CROP RANGER

UNIVERSAL VARIOHEADERS



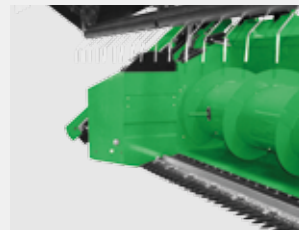
always one step ahead!

BISO PRODUCES SINCE THE YEAR 2000 **UNIVERSAL HEADERS** OF THE SERIES **VX CROP RANGER** AND THEREFORE HAS MUCH EXPERIENCE IN THIS TECHNIQUE. MANY FARMERS RELY ON **THE GREAT ADVANTAGES** OF THESE HEADERS AND RISE THE OUTPUT OF THEIR JOHN DEERE COMBINE.

> ONE HEADER – ALL CEREALS

The 700 mm stepless movable cutterbar of VX CROP RANGER headers makes it possible to harvest all cereals with optimal positioning of the cutting knife.

The rule of thumb here is that the cutterbar has to be moved so far, that the grain is constantly transported „head-first“ to the intake auger. Thus, the combine is perfectly fed and works more efficient.



CUTTING KNIFE COMPLETELY RETRACTED
Distance to intake auger 370 mm



CUTTING KNIFE COMPLETELY EXTENDED
Distance to intake auger 1070 mm

> CHANGE FROM CEREALS TO RAPE IN LESS THAN FIVE MINUTES

BISO VX CROP RANGER headers are the only ones on the market, where it is truly possible to change from cereals to rape in less than five minutes – an absolute „Highlight“.

- > Firstly the crop dividers have to be removed and put onto the bracket of the header trailer.
- > The integrated side knives are folded up very easy – thus, the lifting and mounting of the side knives is now a thing of the past. Something our competitors can not match.
- > Finally you move the cutterbar forward and you are able to start harvesting rape.



CUTTING KNIFE COMPLETELY RETRACTED
and side knives folded



CUTTING KNIFE COMPLETELY EXTENDED
and side knives folded-up

> CONSIDERABLY INCREASED COMBINE PERFORMANCE

VX CROP RANGER HEADERS increase considerably the performance of the combine at correct adjustment of cutterbar, header angle and reel:

Beside the optimal position of the cutterbar also the correct header angle is very important. Especially in hilly area, at different soil conditions or with flat crop the angle adjustment during harvesting is necessary to achieve a cutting just above the ground without sliding on of earth.

The hydraulic angle adjustment for the VX CROP RANGER is available as standard or optional depending on model and actually an indispensable

component. **The optimal speed and adjustment of the reel is also necessary for maximum threshing output.** Most combines are able to adapt the reel speed to harvesting speed. Of course this is also possible with VX CROP RANGER headers.

The optimum angle of reel tines is also important. Especially when harvesting flat crop a steep angle adjustment is required to pick up grain stalks. Rape requires a flat angle adjustment to avoid grain losses in front of the header. With the optional or as standard available electric reel tine adjustment, a setting while driving is possible.

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VX CROP RANGER TRENDLINE LIGHT THE BEST COST/PERFORMANCE MODEL

- + cutting widths 3,0 m – 7,5 m
- + weight-optimised header
- + cutterbar 700 mm stepless movable
- + cost-efficient basic model
(all optional Highlights available)



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VX CROP RANGER TRENDLINE LIGHT FLEX THE HEADER FOR ALL CEREALS

- + cutting widths 4,5 m – 7,5 m
- + cutterbar 560 mm stepless movable
- + cutterbar 150 mm flexible (for peas and soybean)
- + universal header for all cereals
(all optional Highlights available)



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VX CROP RANGER TRENDLINE UND HIGHLINE THE ROBUST UNIVERSAL HEADER

- + cutting width 7,5 m – 9,0 m
- + robust, durable header
- + cutterbar 700 mm stepless movable
- + Trendline: Basic model (all optional Highlights available)
- + Highline: fully equipped Premium model



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OPTIONAL HIGHLIGHTS of VX CROP RANGER HEADERS

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USER-FRIENDLY DETAILS

> BISO VX CROP RANGER TRENDLINE LIGHT

The basic model **TRENDLINE LIGHT** with the perfect cost/performance ratio and its heavily reduced weight is therefore suited **specially for middle class combines**. If required it can be equipped with different optional Highlights like hydraulic angle adjustment, electrical reel tine adjustment, splashguard and so on. Thus, each farmer can put together the header exactly according to his needs.

THE ADVANTAGES AT A GLANCE:

- > **700 mm stepless movable cutterbar** for optimal knife position for each cereal
- > **integrated, easy foldable side knives** increase the comfort during change from cereals to rape enormously
- > **hydraulic angle adjustment** for flat crop and different soil conditions (Option)
- > **electric reel tine adjustment** for optimal reel operation with all conditions (Option)
- > **wrap protection for the reel** to avoid wrapping round of weeds (Option)
- > **robust stainless steel intake auger** improves the appearance and longevity (Option)
- > **splashguard** to prevent grain losses (Option)

TECHNICAL DATA:

TYPE	TL 300	TL 370	TL 450	TL 500	TL 550	TL 600	TL 650	TL 750
Working width (mm)	2920	3610	4520	5050	5510	6040	6500	7490
Outside width with 2 hydraulic side knives (mm)	3550	4240	5150	5680	6140	6670	7130	8120
Outside width with 2 electric side knives (mm)	3630	4320	5230	5760	6220	6750	7210	8200
Cutterbar depths retracted/extended (mm)	370/1070	370/1070	370/1070	370/1070	370/1070	370/1070	370/1070	370/1070
Reel diameter (mm)	1070	1070	1070	1070	1070	1070	1070	1070
Auger diameter inside/outside (mm)	410/610	410/610	410/610	410/610	410/610	410/610	410/610	410/610
Spare knife	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Water tank and hand cleaner	No	No	No	No	Yes	Yes	Yes	Yes
Weight wrap protection for the reel (kg)	14	15	16	17	18	19	20	22
Weight splashguard (kg)	No	No	34	37	40	43	45	50
Number and weight crop lifters (kg)	10/12	12/15	14/17	16/19	17/20	19/23	20/24	24/29
Weight 2 crop dividers (kg)	30	30	30	30	30	30	30	30
Weight 2 electric side knives (kg)	90	90	90	90	90	90	90	90
Weight 2 hydraulic side knives (kg)	120	120	120	120	125	125	125	125
Weight header – without options (kg)	1960	2040	2100	2190	2280	2390	2500	2710

INTEGRATED HYDRAULIC REEL
DRIVE INSIDE THE REEL TUBE
no wrapping

WEIGHT REDUCED
HEADER FRAME

HYDRAULIC ANGLE ADJUSTMENT
especially for flat crop and hilly area
(Option)

FOLDABLE ELECTRIC or
HYDRAULIC SIDE KNIVES

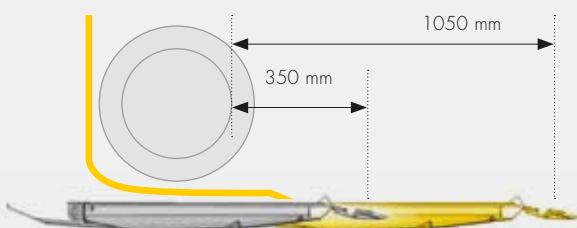


WRAP PROTECTION FOR THE REEL
(Option)

ELECTRICAL REEL TINE
ADJUSTMENT
(Option)

SHORT, SMALL CROP DIVIDERS
90° foldable downwards for
transport

700 MM STEPLESS MOVABLE
CUTTERBAR
with stainless steel bed



> I farm 650 hectares (1,600 acres) and 2012 I bought a John Deere C670i Combine with a Biso VX750 Crop Ranger Trendline light header delivered from BISO UK Importer Abrey & Son. I wanted a header that works in all crops, without the need to fit side knives, a rape extension or add filler plates, which all take time because nowadays the crops can all be ready at the same time. <

COLIN CLIFTON-BROWN (OWNER - LEFT)

> I have used and liked John Deere combines with standard headers in the past and I can honestly say that the Biso header has improved the output of the C series combine, especially at night when the conditions get tough. By being able to move the knife in or out so it is in just the right place you can keep the crop flowing into the header. By using the hydraulic tilt and adjusting the angle of the reel tines I was able to pick up flat crop without having to stop and fit lifters. <

PETER WADE (COMBINE DRIVER - RIGHT),
LITTLE BRADLEY FARMING COMPANY, LITTLE BRADLEY HALL, HAVERHILL, SUFFOLK. UK

> BISO VX CROP RANGER TRENDLINE LIGHT FLEX

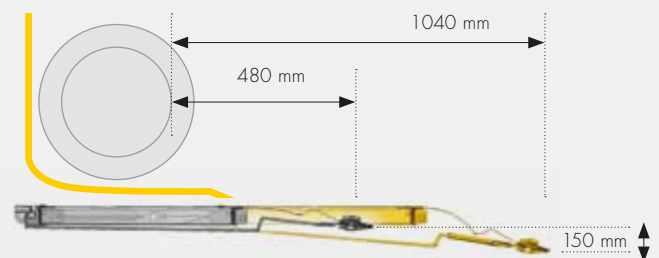
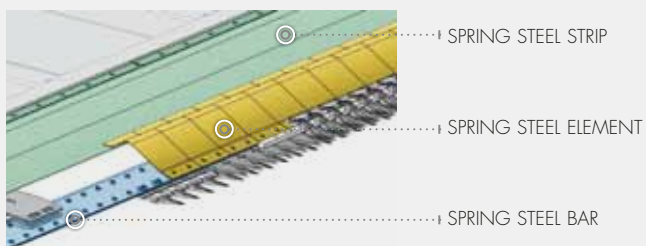
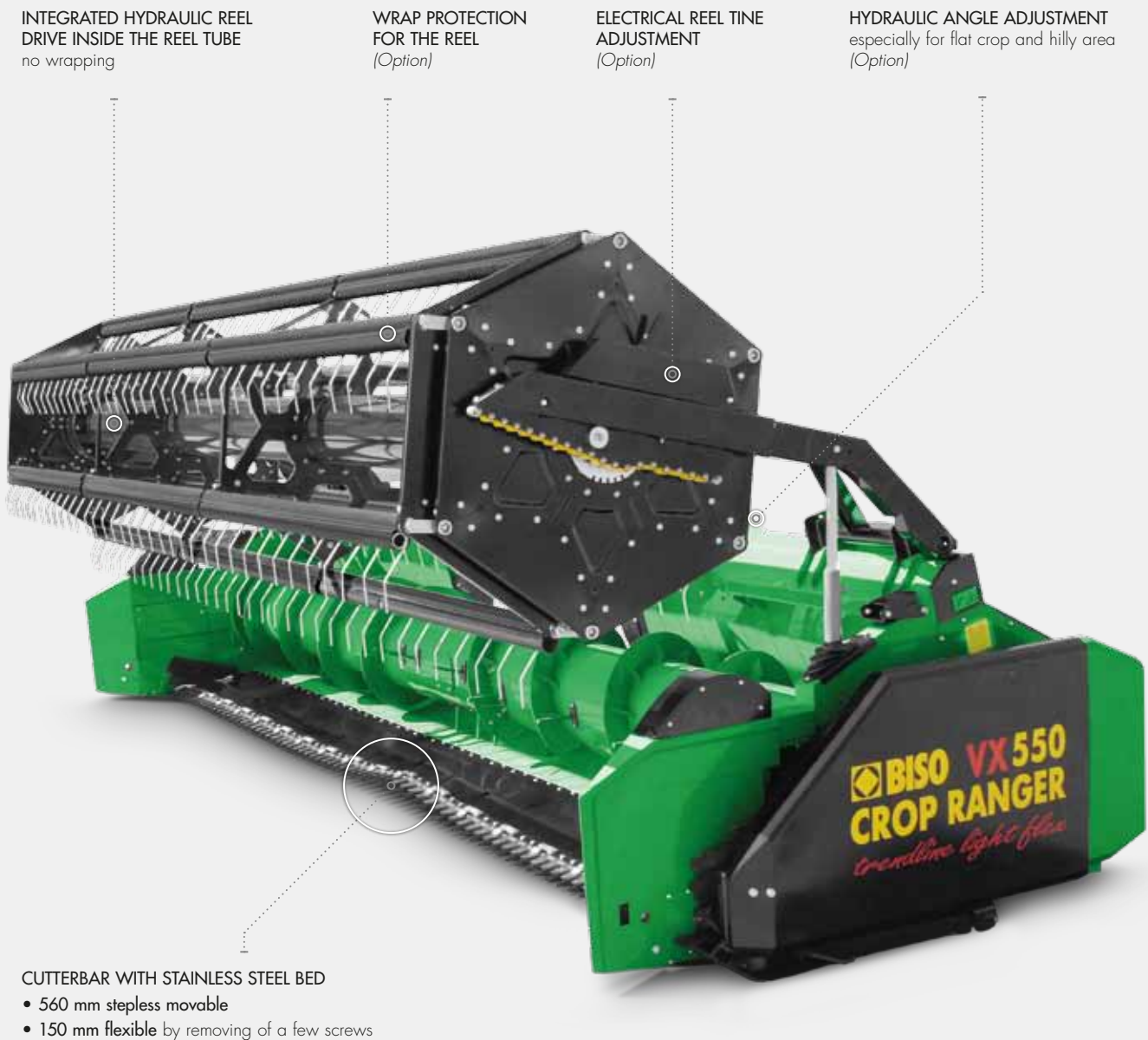
With the **TRENDLINE LIGHT FLEX** BISO once more fulfils its reputation for being a pioneer in the development of a **universal header for all cereals**. By removing a few screws this header can be changed from rigid to flexible cutterbar. The cutterbar fits up to 150 mm to the different soil conditions and makes possible a **perfect harvesting of soy and peas** just above the ground. The crop losses are reduced by up to 300 kg/ha.

THE ADVANTAGES AT A GLANCE:

- > **560 mm stepless movable cutterbar** for optimal knife position for each cereal
- > **integrated, easy foldable side knives** increase the comfort during change from cereals to rape enormously
- > **150 mm flexible movable cutterbar** for perfect adaptation to the ground
- > **hydraulic angle adjustment** for flat crop and different soil conditions (Option)
- > **electric reel tine adjustment** for optimal reel operation with all conditions (Option)
- > **wrap protection for the reel** to avoid wrapping round of weeds (Option)
- > **robust stainless steel intake auger** improves the appearance and longevity (Option)
- > **splashguard** to prevent grain losses (Option)

TECHNICAL DATA:

TYPE	TLF 450	TLF 550	TLF 650	TLF 750
Working width (mm)	4520	5510	6500	7490
Outside width with 2 hydraulic side knives (mm)	5150	6140	7130	8120
Outside width with 2 electric side knives (mm)	5230	6220	7210	8200
Cutterbar depths retracted/extended (mm)	480/1040	480/1040	480/1040	480/1040
Reel diameter (mm)	1070	1070	1070	1070
Auger diameter inside/outside (mm)	410/610	410/610	410/610	410/610
Spare knife	Yes	Yes	Yes	Yes
Water tank and hand cleaner	No	Yes	Yes	Yes
Weight wrap protection for the reel (kg)	16	18	20	22
Weight splashguard (kg)	34	40	45	50
Number and weight crop lifters (kg)	14/17	17/20	20/24	24/29
Weight 2 crop dividers (kg)	30	30	30	30
Weight 2 electric side knives (kg)	90	90	90	90
Weight 2 hydraulic side knives (kg)	120	125	125	125
Weight header – without options (kg)	2240	2430	2650	2860



> The VX Crop Ranger Trendline light flex can be changed from cereals to rape by its foldable side knives within a few minutes. The cutting quality is also very good when driving with high speed. The changing from rigid to flexible cutterbar is made quick and easy. The flexible cutterbar makes possible an optimal adaptation to different soil conditions when harvesting soy and peas and also a cutting just above the ground is possible. The surplus is around 10%. <

HANS PETER GEHER, 2291 LASSEE, AUSTRIA



> BISO VX CROP RANGER TRENDLINE AND HIGHLINE

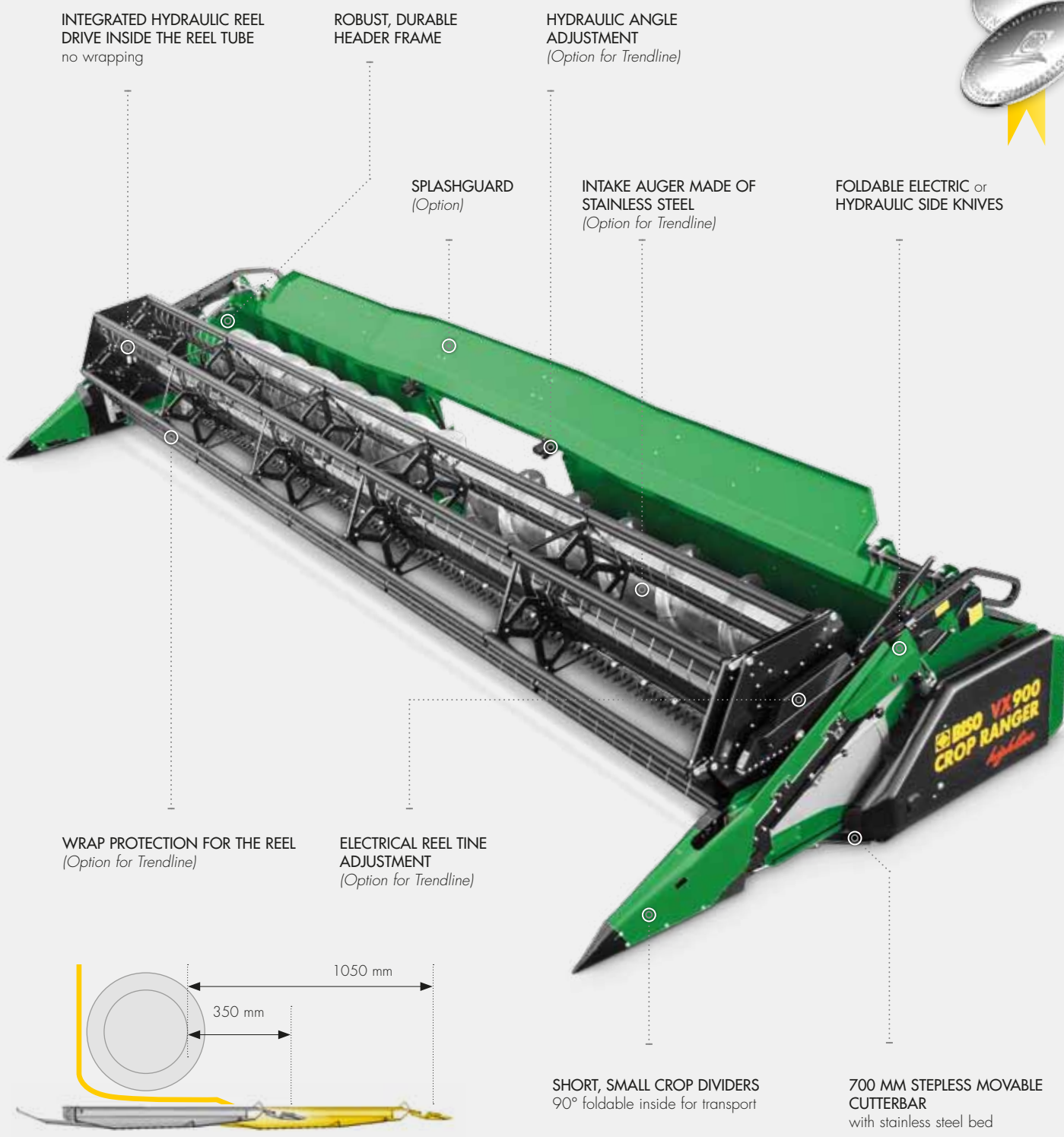
The since many years to the fullest satisfaction of our customers used **VX CROP RANGER** models **TRENDLINE** and **HIGHLINE** are characterized by the robust and durable header frame. This enables **cutting widths up to 9 m**. All optional Highlights can be ordered additionally for the model Trendline. For the Highline Premium model all optional Highlights are standard except the splashguard.

THE ADVANTAGES AT A GLANCE:

- > **700 mm stepless movable cutterbar** for optimal knife position for each cereal
- > **integrated, easy foldable side knives** increase the comfort during change from cereals to rape enormously
- > **hydraulic angle adjustment**
for flat crop and different soil conditions (Option for Trendline)
- > **electric reel tine adjustment** for optimal reel operation with all conditions (Option for Trendline)
- > **wrap protection for the reel** to avoid wrapping round of weeds (Option)
- > **robust stainless steel intake auger** improves the appearance and longevity (Option for Trendline)
- > **splashguard** to prevent grain losses (Option for both models)

TECHNICAL DATA:

TYPE	650	750	850	900
Working width (mm)	6500	7490	8480	9010
Outside width with 2 hydraulic side knives (mm)	7130	8120	9110	9640
Outside width with 2 electric side knives (mm)	7210	8200	9190	9720
Cutterbar depths retracted/extended (mm)	370/1070	370/1070	370/1070	370/1070
Reel diameter (mm)	1070	1070	1070	1070
Auger diameter inside/outside (mm)	410/610	410/610	410/610	410/610
Spare knife	Yes	Yes	Yes	Yes
Water tank and hand cleaner	Yes	Yes	Yes	Yes
Weight wrap protection for the reel (kg)	20	22	24	25
Weight splashguard (kg)	45	50	55	60
Number and weight crop lifters (kg)	20/24	24/29	28/35	30/38
Weight 2 crop dividers (kg)	50	50	50	50
Weight 2 electric side knives (kg)	90	90	90	90
Weight 2 hydraulic side knives (kg)	125	125	125	125
Weight header – without options (kg)	2850	3090	3340	3460



INTEGRATED HYDRAULIC REEL DRIVE INSIDE THE REEL TUBE
no wrapping

ROBUST, DURABLE HEADER FRAME

HYDRAULIC ANGLE ADJUSTMENT
(Option for Trendline)

SPLASHGUARD
(Option)

INTAKE AUGER MADE OF STAINLESS STEEL
(Option for Trendline)

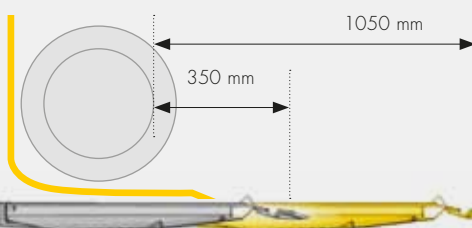
FOLDABLE ELECTRIC or HYDRAULIC SIDE KNIVES

WRAP PROTECTION FOR THE REEL
(Option for Trendline)

ELECTRICAL REEL TIME ADJUSTMENT
(Option for Trendline)

SHORT, SMALL CROP DIVIDERS
90° foldable inside for transport

700 MM STEPLESS MOVABLE CUTTERBAR
with stainless steel bed



> In the Wheat and Barley the header worked very well and by just moving the knife a matter of inches the crop was presented perfectly to the Combine feeder house. For instance harvesting spring barley in the night is no problem with the VX Crop Ranger. We adjusted the cutterbar close to the intake auger and the crop was not sitting on the knife, like on our old header, but it was taken from the auger and was feeding perfect. We liked the fast possibility to change from Wheat to Rape in a matter of minutes. In the past we had suffered from quite a lot of vibration when cutting the rape, but with the VX Crop Ranger there was no vibration in the cab at all, also the hydraulic side knives were very smooth. <

PHILIP HALL, BARRY DAY, DAVID WATSON, SUFFOLK FARMERS, WATSON FARMS & DJ HALL & SONS, FROTENDON, UGGESHALL, SUFFOLK. UK

> OPTIONAL HIGHLIGHTS

VX CROP RANGER headers can be equipped as desired with many additional equipments. Each farmer can put together the header exactly according to his needs.



HYDRAULIC ANGLE ADJUSTMENT
for flat crop and different soil conditions



ELECTRIC REEL TINE ADJUSTMENT
flat angle for rape – steep angle for flat crop



WRAP PROTECTION FOR THE REEL
prevents the wrapping of weeds (for instance camomile)
around the reel tine tubes



SPLASHGUARD
to prevent grain losses around the feeder house area



CROP DIVIDERS
for flat crop and stony soil



INTEGRATED ELECTRIC OR HYDRAULIC SIDE KNIVES
can also be used in combination with crop dividers (for instance rye)

BISO VX CROP RANGER HEADERS ARE CHARACTERIZED BY MANY TECHNICAL ADVANTAGES AND PROVIDE MAXIMUM FEEDING OF YOUR JOHN DEERE COMBINE WITH MINIMAL LOSS!



> USERFRIENDLY DETAILS

The grain harvest is a very stressful time. There are a lot of details on the VX CROP RANGER header to facilitate harvesting and to have all necessary parts to hand.



WATER TANK AND HAND CLEANER

Very helpful after maintenance- and adjustment work to clean the hands before driving the combine



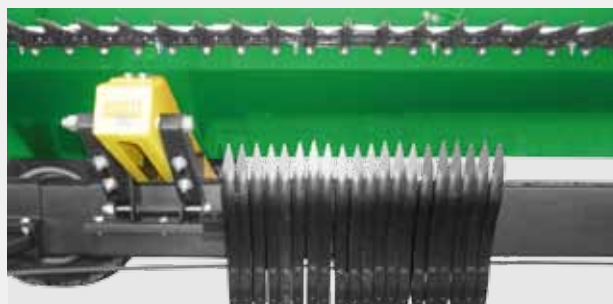
BRACKET FOR SIDE KNIFE GUARDS

That the guards are always to hand and to prevent injuries



BRACKET FOR CROP DIVIDERS

Required for quick change to rape



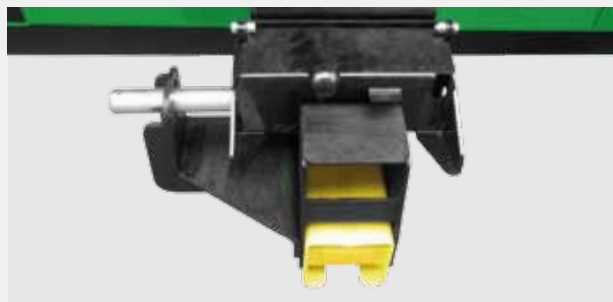
BRACKET FOR CROP LIFTERS

The crop lifters are always to hand and to put on some for spare



BRACKET FOR SPARE CUTTING KNIFE

Easy available and perfectly stored in the header trailer



EASY LOCKING SYSTEM FOR TRAILER

Big tolerances when putting the header on the trailer are possible





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always one step ahead!