

Bromex



Vicon Chopper Range



My way of Farming!

BROMEX – THE PROFESSIONAL CHOPPERS

BROMEX PF

My way of Farming!



Working the land, running my farm and connecting with nature. Farming is my way of living, and despite being rough at times, I never grow weary of everyday tasks of attending to my land and livestock. I keep up with developments by staying loyal to personal philosophies and applying the appropriate strategy.

I shape and influence my own future by combining craftsmanship with modern technology, employing the very best machinery. I actively seek new opportunities, by being innovative in my way of working. I work hard to grow a good crop. I am passionate about my livestock, providing my animals with only the best. My farm and its returns, reflects who I am, because my heart and soul is put into the work I do.

Farming is about passion, about growing and developing, my crop, my farm, myself, **my way**.

VERSATILE, RELIABLE, EFFICIENT!

My way of Farming!



Green Area and Vineyards Choppers (Bromex PA-PM)
1.20 - 2.50m working width



Side Pivoting Choppers (Bromex M-M Plus)
1.55 - 2.50m working width



Multipurpose Choppers (Bromex PF-PX-PXD)
2.35 - 3.20m working width



Agri Choppers (Bromex CJ-CX-CZ-CXF)
2.80 - 6.40m working width







**“For tractors
– up to 50hp”**

The Specialist *for Green Areas*

Compact Size – Easy to Operate

The Vicon Bromex PA grass chopper is a small, medium duty machine suited to operation use on slightly rough ground, green areas amenity areas, and tidying up pasture. It is available in three models with working widths from 1.20m to 1.80m, is very easy to operate and requires minimal maintenance.

As well as the universal blades fitted as standard, and cup blades can also be fitted on request. The Bromex PA is suitable for tractors up to 50hp and it is the perfect choice for green areas.

The core of the Bromex PA chopper is the rotor: fast rotation speed (2052rpm) in combination with a high number of blades give the Bromex PA a superb chopping performance. As standard the Bromex PA offers a mechanical offset: the headstock can be fitted in the centre or on the left side of the chopping unit.

The Bromex PA is equipped as standard with a rear roller which allows reliable cutting height control. Alternatively a pair of skids can be supplied on demand.



All gearboxes on Vicon choppers range feature as standard an integrated free wheel.



Efficient *and Durable!*

Compact heavy duty machine

The Vicon Bromex PM Chopper is a compact and heavy duty machine for moderately demanding jobs in soft and top fruit orchards, vineyards and light undergrowth. It is also equally at home tidying pasture and other grass fields, chopping straw and stubble.

Due to its rugged construction the Bromex PM ensures a long lifetime with minimal maintenance. Adjustable headstock offset up to 500mm gives added versatility for reaching under fruit trees and safer working close to the edges of drainage channels.

As an option, hydraulic adjustment of the offset can be specified. In addition the standard roller and the skids support the chopper and provide a consistent working height.

“Excellent shredding effect with minimal power requirement”



Modern and versatile

The design of the Bromex PM is modern and versatile; the latest generation rotor can be equipped with different types of blades, making them adaptable to most conditions. Highest rotor speeds (2160rpm) in combination with a counterknife and a double skin, guarantee an excellent shredding effect with minimal power requirement.



The Vicon Bromex PM can be equipped with rake tines to improve chopping on prunings.



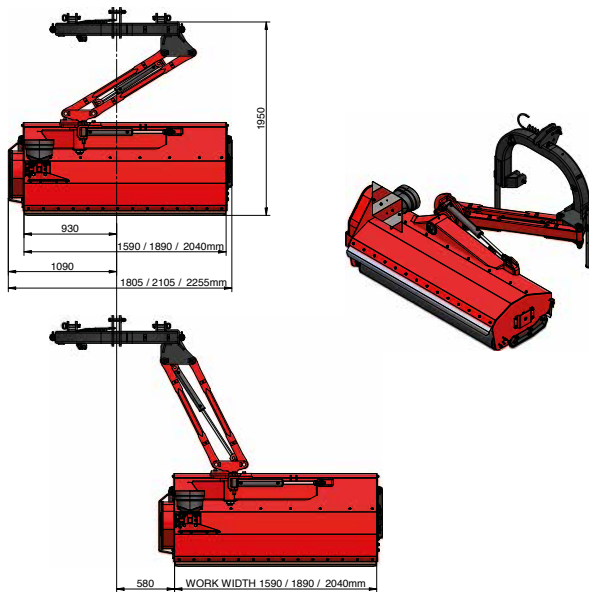
A 160mm diameter roller with an adjustable scraper is fitted as standard equipment and ensures correct field performance.



Efficient working ***in all conditions***



The Vicon Bromex M is a new multipurpose chopper for road maintenance, clearing out field edges, ditches and hedges. In addition the Bromex M shows versatility in operation on grass, light wood and bushes thus being ideal for the maintenance of parks, gardens and road sides.



Offset articulation

Different offset positions can be reached by different working widths. Versatile in all conditions due to extremely efficient articulation (-65° & $+90^\circ$).

Frame

Solid construction, heavily protected and reinforced with double skin as standard.

Rotor

High performance rotor with fast rotation speed, combined with large number of hammer blades (13 per meter) ensure superb chopping performance in all conditions. (universal blades also optionally available).

Transmission

Gearbox with freewheel inside and four belts with automatic tensioner ensures smooth and reliable power transmission to the rotor.

Roller

Standard 195mm diameter roller with integrated bearings and easy cutting height adjustment.



Maximum versatility - Cutting horizontal.



Vertical.



Banks down to an angle of -65° degrees.



More offset – *More versatility*

Compact and easy

Due to the possibility of different working angle positions, the Bromex M Plus is a highly versatile solution for farm and road maintenance purposes. Compact but robust it offers superb manoeuvrability and provides a high level of reliability.

Compared to the standard Bromex M chopper, the plus version offers greater offset (1255mm) and reaches positions and working angles impossible to get to with other machines.

In addition the Bromex M Plus can be combined with a front mounted chopper (Bromex PF or Bromex PXD), to maximise working width.

Lateral transmission

Power transmission by gearbox with integrated freewheel (up to 150hp) and five belts which incorporate an automatic tensioner, provide stable rotor speed even when working in tough conditions. A PTO shaft with wide angle joint is fitted as standard equipment.

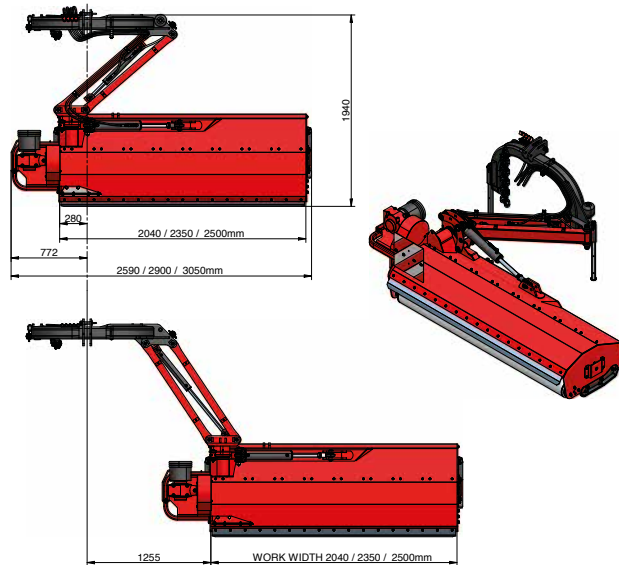


Robust and guarded

Main frame and parallelogram articulations designed according FEM analysis and calculations; heavily tested in Kverneland Klepp laboratory to ensure reliable and long working life. Gearbox and transmission protected against misuse during operation.

Offset articulation

Different offset positions can be reached by different working widths. Versatile in all conditions due to extremely efficient articulation (-65° & $+90^\circ$).



“Compact but robust
- superb manoeuvrability”





Front, Rear, ***Offset!***

Multi-purpose - for chopping grass, pasture, set-aside land and stubble

A strong double headstock allows mounting the machine in front or behind the tractor. Together with an hydraulic offset facility, it gives multi purpose versatility for nearly all conditions e.g. clearing out field edges, orchards, road edges. Available with hammer blades or universal fan blades.

**“Smooth drive,
reduced wear
- longer lifetime”**



Hydraulic Offset

Ideal for clearing out field edges. Versatile use also for road maintenance. The precisely aligned offset frame machined after the welding process ensures strong and reliable guidance. Greasable nylon bushes ensure a long lifetime.



Lateral Drive

Drive by five VX type V-belts running on invertible pulleys which allows adaptation for 540 or 1000rpm drive. Idler wheel with automatic tensioner spring always ensures stable and low wear on belt drive.



Auto-alignment

The central gearbox fitted into the headstock ensures that the pto-shaft remains at the same angle in all working positions. Even on max. 500mm offset the pto angle does not change. This guarantees a smooth drive, reduced wear and a longer lifetime of the pto shaft and the whole driveline (crosses and yokes).

Headstock

The heavy duty headstock is well proven with the design taken from the Vicon power harrow.

Rear roller

Standard equipment for reliable depth control in all conditions. Ø 160mm with 45mm bearing hub and greasable ball bearings. Replaceable integrated bearing housing. Roller interchangeable with skids.



Counter Knives and Double Skin

One standard U-counter knife. A second U-counter knife is available (optional equipment) for more intense shredding and heavy conditions. Also combinable with double skin.



Versatile ***and Reliable***

The Vicon Bromex PX is a multi-purpose machine for chopping grass, pasture, set-aside land and stubble. The hydraulic offset facility of the Bromex PX gives you the possibility to clear out field edges, orchards and road edges. A choice of hammer blades or universal Y blades with short fan blades produce perfect shredding quality in all conditions.



Low power requirement

With an offset facility of up to 52cm the Bromex PX range is the ideal solution for field and farm maintenance. In addition the large diameter of the rotor (540mm) guarantees excellent cut quality with low power requirement. Easy and minimal maintenance make the Bromex PX a cost effective machine to operate.

Frame

Headstock designed and tested for heavy applications. With all forces and stress concentrated on the three point linkage.

Performance

A massively strong tube with dimensions of 245 x 10mm forms the basis of the rotor. The large overall working diameter of the rotor (540mm) guarantees an excellent cut with a low power requirement. The counterknife and the double skin are suggested for a finer shredding of residues and a longer working life of the frame. Skids and a roller are standard equipment and provide accurate control of working height. The roller has a 245mm diameter and is self-cleaning (the blades are running very close to the roller profile - 15mm).

Transmission

Central gearbox rated up to 160hp with an integrated free wheel as standard. The drive pulleys are reversible allowing for operation with either 540 or 1000rpm input speed. Five grooved V-belts combined with an automatic tensioner ensure smooth power transmission. No maintenance required.



Transmission.



Rotor.



Versatility ***combined with efficiency***

Double headstock allows front or rear mounting of the Bromex PXD. Sliding tube integrated in the headstock; all forces are concentrated on the three point linkage. Standard fit 52cm hydraulically operated offset facility. A central gearbox rated up to 160hp with double integrated free wheel as standard. The drive pulleys are reversible allowing for operation with either 540 or 1000rpm input speed.



Front mounting.

**“Sliding tubes
are integrated
in the
headstock”**

Robust Transmission

Five V-belts combined with an automatic belt tensioner ensures smooth power transmission, preventing slippage in the toughest working conditions.

No maintenance is required. The double headstock allows front or rear mounting of the Bromex PXD. Sliding tubes are integrated in the headstock; all stresses are concentrated on the three point linkage. Standard fit 52cm hydraulically operated offset facility.



Double headstock.





Excellent performance – *low operating costs*

An agri chopper suitable for different crops

The Vicon Bromex CJ is an agri chopper suitable for grassland renewal, maize, sunflower and sorghum shredding. The frame of the chopping unit is designed with a curved profile, while the rear cover can be opened to handle large amounts of crop residue. In addition, the high chopping chamber guarantees blockage free performance in even the toughest conditions.

The roller bearings are integrated and protected and do not need regular greasing. The semi pivoting wheel kit is also maintenance free. A double skin and a second counter knife can be added as accessories in order to extend the life of the chassis and create finer chopped residues.



The rotor of the Bromex CJ can be equipped with universal blades or hammer blades. Lateral skids are fitted as standard.



Bromex CJ can be equipped with a rear roller (195mm diameter) or 2 semi-pivoting wheels (155 SR13) for a constant control of the working height.



The Chopper *for Specialists*



Great versatility in all conditions

The Bromex CX range comprises Vicon's largest and toughest grass and straw choppers built for heavy-duty work on set-aside land and cultivated fields. But also suited to fruit farms, clearing scrub and tidying pasture. The Bromex CX is available in 4 working widths covering all operating requirements.

Unique versatility and high field performance

Vicon Bromex CX choppers offer unique operational versatility. The high rotor speed combined with a large number of blades increases the cutting efficiency, while reducing the input power required. The rotor is manufactured precisely and is dynamically balanced after the blades have been fitted; this provides smooth running without vibration.



“**Heavy construction**
– for reliable operation”

Range of accessories

The Bromex CX can be equipped with different blade types in order to fulfill all operating requirements. Skids are included in the standard configuration. Wheels are optionally available. Furthermore a double skin and second counterknife are also optionally available. However, all models are solidly constructed throughout with a robust gearbox and very strong power transmission to the “V” belts driving the rotor. In addition, a strengthened chassis incorporates double plating in the areas subjected to highest stress.

The combination of Vicon's precisely manufactured rotor shafts and hard wearing blades makes the Bromex CX models extremely reliable.



1. Lateral transmission – Five V-belts combined with an automatic belt tensioner ensure smooth power transmission, preventing slippage even in the toughest working conditions. No maintenance is required.

2. Rotor – A massively strong tube with dimensions of 245 x 10mm forms the basis of the rotor. Choice of universal or hammer blades. The large diameter of the rotor (650mm) guarantees excellent cut quality with low power requirement.



The King *of the Choppers!*

More than 40 years experience

The Vicon Bromex CZ range has been designed to fulfill the most demanding requirements. Bromex CZ choppers have been designed to provide comprehensive chopping of crop residues for more effective decomposition.

The development of these choppers was focused on the requirements of intensive users. They are ideal for very demanding and specialized contractors. The Bromex CZ is excellent for shredding crop residues, chopping straw, maize and sunflower stalks as well as set-aside land.



Semi pivoting wheels (10/8.0 x 12.8 ply) as standard ensure good stability and a constant working depth of the Bromex CZ during field operations. Semi automatic linkage (Cat III) allows fast coupling of Bromex CZ. In addition the floating top link mounting permits easy control of the working height without stressing the headstock.

The Bromex CZ is always equipped with a double lateral transmission. External and centralized greasing points for the rotor ensure a quicker maintenance.



Rotor

The same rotor can be equipped with either Y blades or hammer blades; in all configurations special fan blades lift the material up for a better shredding effect. The large diameter (760mm) guarantees an excellent cut with low power requirement.





High Performance **Potential**

The Bromex CXF foldable is particularly suitable for tractors up to 260hp, with working widths from 5.60 to 6.40m. Wide in the field - narrow on the road.



High performance rotor for excellent shredding in all conditions

Despite the wide working width the Bromex CXF folds to 2.50m transport width. The highly efficient rotor, which works at a speed of 2025rpm ensures excellent chopping in all conditions, thanks to its diameter of 540mm, and 144 blades plus fan blades.

Highest rotor speeds (2025rpm) in combination with a counterknife and a double skin, guarantee an excellent shredding effect with minimal power requirement.



Transport width 250cm.

“**Maximum reliability, efficiency and versatility**”

The lateral transmission with five belts tensioned automatically. Available as an option are pivoting wheels or rollers that guarantee a constant working height.

The Bromex CXF offers maximum reliability, efficiency and versatility. This comes from 40 years of experience in building choppers.



The central gearbox (250hp) is equipped with free wheels; the lateral transmission with automatic belt tensioners ensures reliability and a low maintenance requirement.



Working width from 560 to 640cm. The standard roller (Ø245mm) is running close to the profile to ensure a self-cleaning effect.



Semi pivoting wheels (10/8.0 x 12.8 ply) available as option ensure good stability and a constant working depth during field operation.

Original Parts & Service

It's What Makes Your Machine a Vicon



Original Vicon Parts are important pieces of your machine's DNA. Our parts are produced with the same strict specifications as the machine itself, and therefore guaranteed to work and fit as intended to keep you running at optimal pace.

We regard each sale of a Vicon machine as the start of a long term relationship. Our mission is to provide you with a safety net of parts and service to make sure your investment is running strong in the fields. Do not compromise the authenticity of your machine with cheap solutions, Original Vicon parts are the guaranteed solution for the optimal Vicon experience.

**Your Parts Specialist**

Your local Vicor dealer is always ready to assist you with parts and service. He is a loyal ally who knows every inch of your machine. Your dealer has all the parts you need, and will also have the facilities to service your machine.

**“Original Parts,
the true DNA
of your machine”**

**Always Available**

Time is money, and we know the importance of receiving the right parts at the right time! Your Vicor dealer is supported by a massive distribution network to supply you with exactly what you need, when you need it.





**Easy Access To Information**

Are you looking for a complete overview of parts for your machine? Maybe you are searching for more technical information? Our Online Search Database, *Quest*, provides all information available for your machine. Various documentation like Parts Manuals, Operation Manuals, Software updates and FAQ's, it is all there. *Quest* is available in several different languages and can be accessed wherever and whenever. All answers are easy to find – just a few clicks away !

Facts

| Model | Choppers for Green Area and Vineyards | | | | | | |
|---------------------------------|---------------------------------------|-----------------|-----|-----------|-----|-----|-----|
| | Bromex PA | | | Bromex PM | | | |
| Dimensions & Weight | | | | | | | |
| Working width (cm) | 120 | 150 | 180 | 155 | 185 | 200 | 230 |
| Transport width (cm) | 140 | 170 | 200 | 177 | 207 | 222 | 252 |
| Weight (kg) | 270 | 300 | 335 | 475 | 540 | 572 | 620 |
| Attachment to Tractor | | | | | | | |
| Pto input speed (rpm) | 540 | | | 540 | | | |
| Min-Max. power requirement (hp) | 25 - 50 | | | 35 - 80 | | | |
| Operation | | | | | | | |
| No. of universal blades | 64 | 80 | 96 | 40 | 48 | 52 | 60 |
| No. of hammer blades | - | - | - | 20 | 24 | 26 | 30 |
| Rotor speed (rpm) | 2052 | | | 2160 | | | |
| Blade tip speed (m/s) | 40 | | | 51 | | | |
| Rotor shaft diameter (mm) | 40 | | | 50 | | | |
| Rotor diameter (mm) | 102 | | | 169 | | | |
| Cutting diameter (mm) | 376 | | | 452 | | | |
| No. of belts | 3 | | | 5 | | | |
| Belt tensioner | by screw setting | | | automatic | | | |
| Equipment | | | | | | | |
| Offset (mm) | - | | | 500 | | | |
| Rear roller (mm) | 135 ● | | | 160 ● | | | |
| Rear wheels | - | - | - | - | - | - | - |
| Skids | ● | ● | ● | ● | ● | ● | ● |
| I counter knife | - | - | - | ● | ● | ● | ● |
| II counter knife | - | - | - | 0 | 0 | 0 | 0 |
| Double skin | - | - | - | ● | ● | ● | ● |
| ● Standard | 0 Optional | - Not available | | | | | |

● Standard 0 Optional - Not available









| Model | | Bromex PA | Bromex PM |
|---|--------------------------|-----------|-----------|
| Blades | | | |
|  | Cup blades | ● | |
|  | Y blades | ● | |
|  | Y with middle fan blades | | ● |
|  | Hammer blades | | ● |

| Side Pivoting Choppers | | | | | | |
|------------------------|-----------|------|---------------|-----------|------|------|
| Bromex M | | | Bromex M Plus | | | |
| 250 | 155 | 185 | 200 | 200 | 230 | 250 |
| 272 | 180 | 210 | 225 | 255 | 285 | 305 |
| 655 | 740 | 780 | 820 | 900 | 960 | 985 |
| | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| | 15 | 15 | 15 | 15 | 15 | 15 |
| 64 | 40 | 48 | 52 | 52 | 60 | 64 |
| 32 | 20 | 24 | 26 | 26 | 30 | 32 |
| | 1800 | | | 1858 | | |
| | 43 | | | 44 | | |
| | 50 | | | 50 | | |
| | 169 | | | 169 | | |
| | 452 | | | 452 | | |
| | 5 | | | 5 | | |
| | automatic | | | automatic | | |
| | 580 | | | 1250 | | |
| | 195 ● | | | 195 ● | | |
| - | - | - | - | - | - | - |
| ● | ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● | ● |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ● | ● | ● | ● | ● | ● | ● |
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| Bromex M | | | Bromex M Plus | | | |
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Facts

| Model | Multipurpose Choppers | | | | | | |
|---------------------------------|-----------------------|-----------------|------|-------------|------|-------------|------|
| | Bromex PF | | | Bromex PX | | Bromex PXD | |
| Dimensions & Weight | | | | | | | |
| Working width (cm) | 235 | 280 | 325 | 235 | 280 | 320 | 280 |
| Transport width (cm) | 255 | 300 | 345 | 255 | 300 | 345 | 300 |
| Weight (kg) | 863 | 980 | 1080 | 1025 | 1135 | 1225 | 1220 |
| Attachment to Tractor | | | | | | | |
| Pto input speed (rpm) | 540 or 1000 | | | 540 or 1000 | | 540 or 1000 | |
| Min-Max. power requirement (hp) | 60 - 140 | | | 70 - 160 | | 90 - 160 | |
| Operation | | | | | | | |
| No. of universal blades | 40 | 48 | 56 | 56 | 72 | 80 | 72 |
| No. of hammer blades | 20 | 24 | 28 | 28 | 36 | 40 | 36 |
| Rotor speed (rpm) | 1730 - 1828 | | | 1844 - 1949 | | 1844 - 1949 | |
| Blade tip speed (m/s) | 46 - 48 | | | 52 - 55 | | 52 - 55 | |
| Rotor shaft diameter (mm) | 60 | | | 60 | | 60 | |
| Rotor diameter (mm) | 220 | | | 245 | | 245 | |
| Cutting diameter (mm) | 503 | | | 541 | | 541 | |
| No. of belts | 5 | | | 5 | | 5 | |
| Belt tensioner | automatic | | | automatic | | automatic | |
| Equipment | | | | | | | |
| Offset (mm) | 500 | | | 550 | | | |
| Rear roller (mm) | 195 ● | | | 245 ● | | | |
| Rear wheels | 0 | 0 | 0 | - | - | - | - |
| Skids | ● | ● | ● | ● | ● | ● | ● |
| I counter knife | ● | ● | ● | ● | ● | ● | ● |
| II counter knife | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Double skin | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ● Standard | 0 Optional | - Not available | | | | | |

● Standard 0 Optional - Not available

| Model | Bromex PF | Bromex PX | Bromex PXD |
|--|-----------|-----------|------------|
| Blades | | | |
|  Y with middle fan blades | ● | | |
|  Y with long fan blades | | ● | ● |
|  Y with short fan blades | | | |
|  Y blades | | | |
|  Hammer blades | ● | | |
|  Hammer blades | | ● | ● |
|  Hammer blades | | | |
|  Hammer blades | | | |

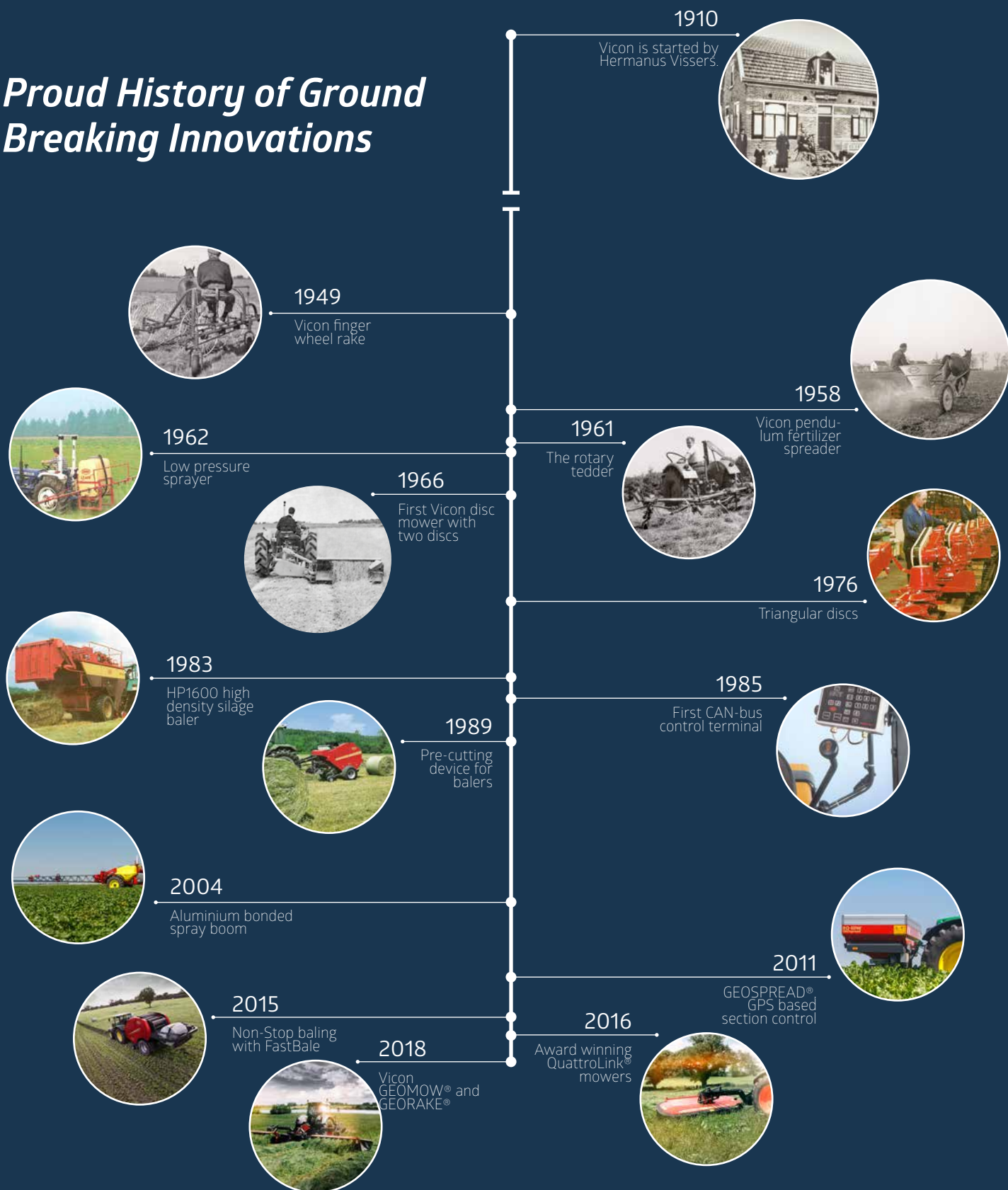
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| Agri Choppers | | | | | | | | | |
|---------------|-----|-------------|------|------|------|------------------|------|------------|------|
| Bromex CJ | | Bromex CX | | | | Bromex CZ | | Bromex CXF | |
| 320 | 280 | 195 | 235 | 280 | 320 | 320 | 400 | 560 | 640 |
| 345 | 300 | 217 | 257 | 302 | 342 | 352 | 432 | 250 | 250 |
| 1380 | 940 | 890 | 1050 | 1174 | 1302 | 1750 | 2200 | 2400 | 2700 |
| 540 or 1000 | | 540 or 1000 | | | | 1000 | | 1000 | |
| 55 - 160 | | 55 - 160 | | | | 100 - 260 | | 130 - 260 | |
| 80 | 68 | 48 | 56 | 72 | 80 | 120 | 152 | 144 | 160 |
| 40 | 34 | 24 | 28 | 36 | 40 | 60 | 78 | 72 | 80 |
| 1789 - 1887 | | 1844 - 1949 | | | | 1603 | | 2025 | |
| 56 - 59 | | 63 - 66 | | | | 64 | | 57 | |
| 45 | | 60 | | | | 60 | | 60 | |
| 194 | | 245 | | | | 273 | | 245 | |
| 600 | | 651 | | | | 767 | | 541 | |
| 5 | | 5 | | | | 2 x 4 | | 2 x 5 | |
| by screw set. | | automatic | | | | by screw setting | | automatic | |
| 580 0 | | - | | | | - | | - | |
| 245 0 | | 245 0 | | | | - | | 245 | |
| - | 0 | 0 | 0 | 0 | 0 | ● | ● | 0 | 0 |
| ● | ● | ● | ● | ● | ● | ● | ● | 0 | 0 |
| ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | |
| Bromex CJ | | Bromex CX | | | | Bromex CZ | | Bromex CXF | |
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