

imants[®]

Digging the future



15 cm (6")
Minimum spading depth

35 cm (14")
Maximum spading depth

50 cm (20")
Maximum ripping depth

Trailed spading machines

- Time saving
- Large capacity
- Improves water balance
- Incorporation of organic material
- Seedbed in one pass
- Robust build quality
- Preserves soil structure
- Elimination of compactions
- Fuel saving
- Cost-effective
- No hard pan
- All-round machine

THE PHILOSOPHY

Spading is more than just turning the soil

More than 60 years of experience with spading machines is something Imants can look back on. From that experience we learned spading is more than just turning soil. Much more, in fact. Spading means mixing organic material with the living topsoil, incorporating crop residues and creating a seedbed, mixing green manure so it can be broken down into nutrients for the next crop.

In short, both above the ground and in the soil you will achieve an even, homogeneous and well aerated soil after tilling with Imants spading machines. The true one pass tillage tool.



Tillage spader with harrow



No hard pan



Oxygen



Water holding capacity



ADVANTAGES OF SPADING

Imants spading machines take care of your soil

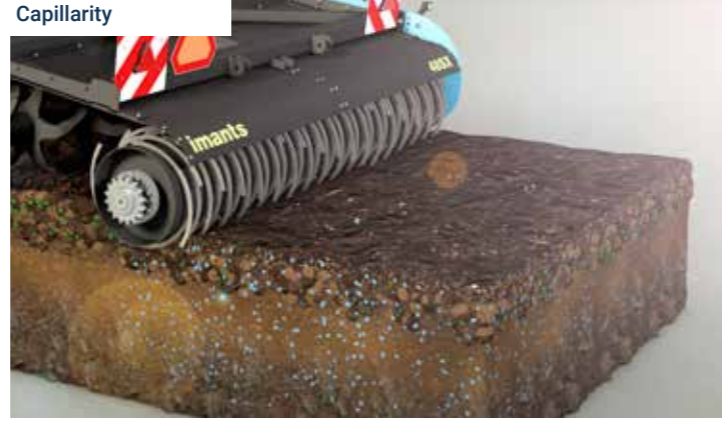
The rotating movement of the spade shaft with spades ensures an optimal mixing effect. Because of this, crop residues, manure, compost or green manure can be mixed with the soil into the most biologically active layer so that they can be quickly decomposed.

The rotational movement of the spade shaft with spades ensures an optimal mixing effect.

Crop residues or green manure do not form a sillage layer at the bottom of the soil. Because of this mixing the soil life can also benefit from the freshly applied organic material.

Since the spades take soil bites of 25 to 30 cm (10 - 12 inch) and pull these from the underlying soil layer, an impermeable hard pan is not created at the bottom. This means that precipitation can penetrate into the deeper soil layers and replenish the groundwater. The good structure that remains after spading not only allows water to penetrate, but also ensures a good oxygen level.

Capillarity



Retention of soil temperature



Level seedbed



Versatile



Because spading machines do not form a hard pan in the soil, capillary action remains intact, so rising groundwater can reach the roots of plants when they need it. During spading, the subsoil is mixed, but not completely turned over. This preserves most of the soil temperature, reducing the time it takes for the soil to warm up. This results in faster germination.

With an Imants spading machine, the soil can be made ready for sowing or planting in 1 pass.

The deeper soil layers are given time enough to warm up as the plants grow. With an Imants rotary spader, the soil can be made ready for sowing or planting in one operation. The driven power harrow leaves an ideal seedbed. By combining operations you not only save time and money but also the soil structure. All of these characteristics ultimately lead to a better yield.



DEEPER TILLAGE

Subsoiling, yes or no?

SX Series

The SX-Series has a minimum working depth of 15 cm (6"), with a maximum of 35 cm (14"). The blades loosen the soil over the entire working width and mix manure, green manure or plant residues through the most biologically active part of the soil.



▲ Image of the 38FSX Spading axle

Optional ripper legs

Optionally both toolcarriers can be equipped with ripper legs. The ripper legs break up compacted layers below the working depth of the spaders. The spadeshaft works evenly so that roots can penetrate deeper into the soil. The maximum working depth of the ripper legs is 50 cm. (20")



▲ Image of the 38FSX subsoiling beam

CONSOLIDATION

What finish would you like to have?

Driven power harrow

The Imants 38FSX and 58 series spading machines can be equipped with a driven power harrow. This harrow breaks up the top layer and ensures a fine and even seedbed. It is the ideal roller for sandy and loamy soils.



Ringroller

The Imants 58 series spading machines can be equipped with a ringroller with a diameter of 60 or 80 cm (24 or 31"). This ringroller leaves a coarser seedbed and is suitable for all soil types.



Prismaroller

For heavier soil types in both dry and moist circumstances, the self-cleaning prismaroller is recommended. This roller consolidates and culti-packs the soil so that an even, flat and firm seedbed is left behind.



HIGH CAPACITY

Why tool carriers?



▲ Tractor with a 450 cm (177") wide rigid subsoiler. Shown with 58SX spading machine with ringroller.



▲ Tool carrier with foldable subsoiler and spading machine 600 cm (236") working width. Shown with 38FSX spading machine, folded in transport position 300 cm (118") wide.

The present time makes the demand for larger capacity increasingly important. Through a higher working speed or a larger working width, it is possible to obtain this greater capacity.

However, this makes the tools heavier and often they cannot be lifted in the 3-point linkage of the tractor or they do not comply with road traffic laws.

Imants has therefore developed a tool carrier. Thereby, if desired, a (folding) subsoiler beam can be mounted on the implement carrier allowing multiple work passes to be combined. To save even more time, money and working passes, a seeder can also be mounted.

This makes the tool carrier the heart of the combination to do all operations in 1 working pass; subsoiling, spading, seed bed preparation and seeding. An enormous cost saving can thus be achieved. Especially in the current time where labor is scarce and fuel is expensive, it is important to take this into account.



SERIES

Trailed spading machines choices and specifications

NON-FOLDABLE

Working width

300, 366 or 450 cm
10, 12 or 15 ft.



▲ Driveline of the 58SX450PLH combination

▲ Tool carrier with a 450 cm (15 ft.) wide, rigid, subsoiler beam. Shown with 58SX spading machine with tire packer.

FOLDABLE

Working width

450 or 600 cm
15 or 20 ft.



▲ Driveline of the 38FSX600H

▲ Tool carrier with folding subsoiler beam 600 cm (20 ft.) wide. Shown with 38FSX spading machine, transport width (folded up) 300 cm (10 ft.).

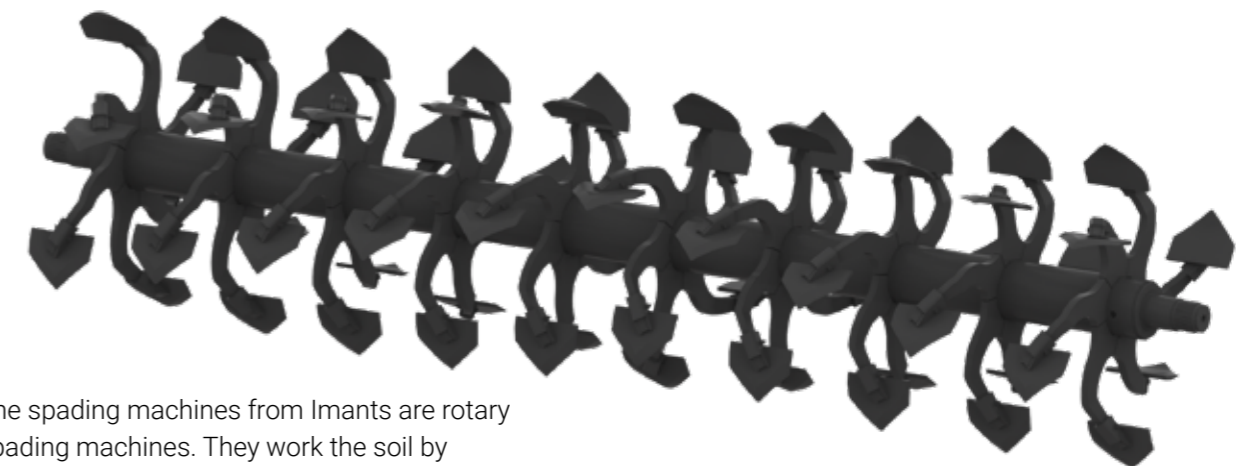
NON-FOLDABLE TRAILED SPADING MACHINE

The construction of the non-folding trailed spading machine.

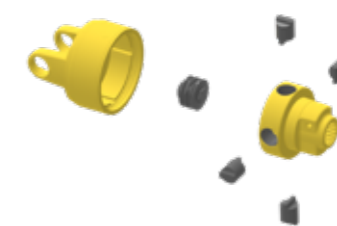
As mentioned earlier, the tool carrier can be equipped with a subsoiler beam and/or a spading machine. Imants offers you 2 options; the non-folding or rigid options (with working widths of 300, 366 or 450 cm (10, 12 or 15 feet) and the folding options (with working widths of 450 or 600 cm (15 or 20 feet)). In this section, we discuss the rigid, non-folding version of the tool carrier. Because the tool carrier has a Category III hitch at the rear, another implement can also be attached. For example, a power harrow. Of course, you can also choose the spading machine. Commonly the 58SX450PL spading machine with a working width of 4.5 meters (15 feet).

The SX-spadingblade

For use on all soil types except wet clay. The spading blades are easy to replace



The spading machines from Imants are rotary spading machines. They work the soil by means of spades which are attached to the spadingshaft via a steel arm. The number of spades can vary according to the model and the working depth.



▲ All spading machines are equipped with a torque limiting clutch for protection.

Digging the future



imants
Digging the future

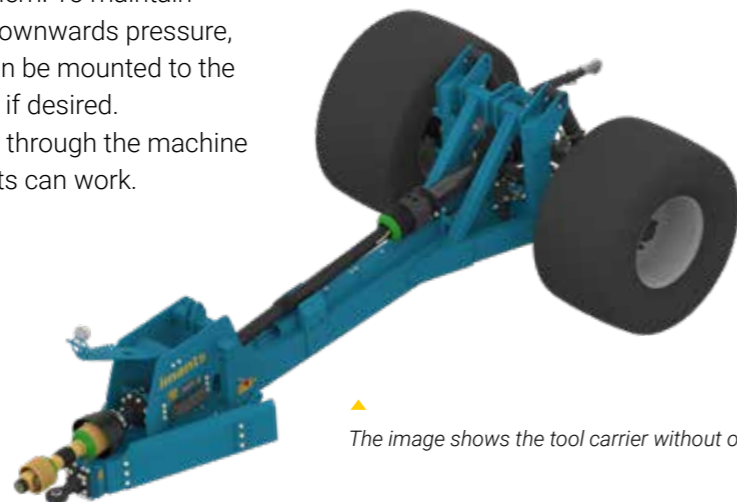
RIGID SUBSOILER TOOL CARRIER

Options for the rigid subsoiler tool carrier

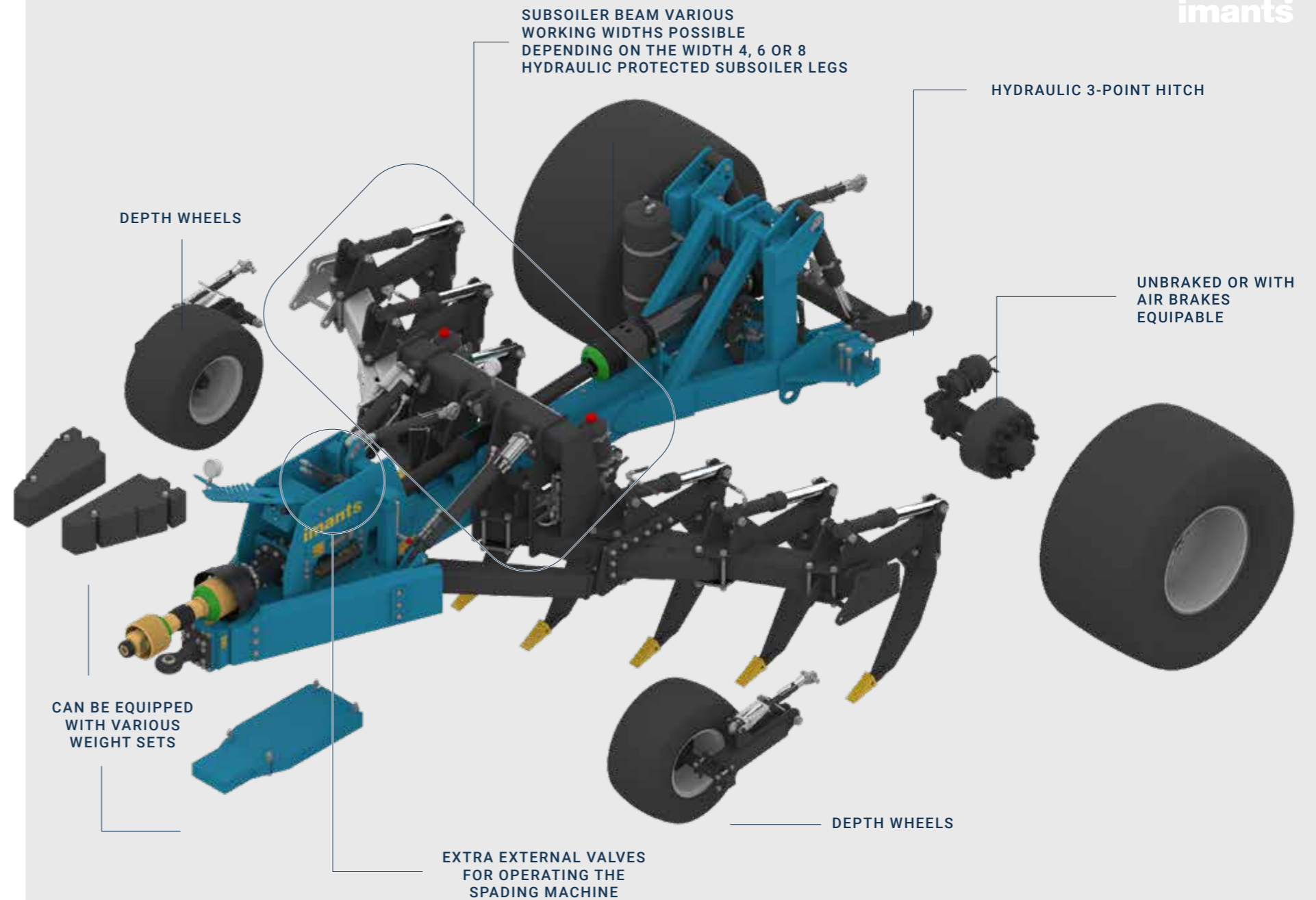
To make the tool carrier fit your farm, you can choose from a number of options. Depending on the desired soil preparation. The tool carrier can be equipped with 4, 6 or 8 ripper legs. These have a hydraulic stone protection. The working depth is very easy to adjust to a maximum of 50 cm (20").

To make the tool carrier fit your farm completely, you can choose from a number of options.

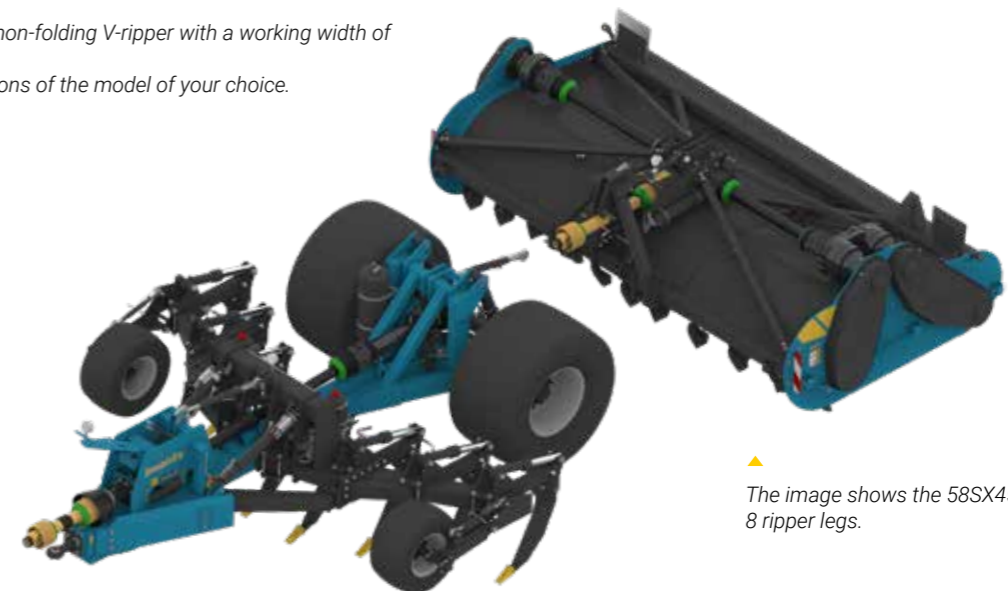
The rear linkage is capable of lifting 10 tons (22000 lbs). Heavy implements are therefore not a problem. To maintain sufficient drawbar downwards pressure, additional weight can be mounted to the front of the drawbar if desired. The runs all the way through the machine so driven implements can work.



The image shows the tool carrier without options.



The image shows the non-folding V-ripper with a working width of 450 cm (15 ft). Contact us for the options of the model of your choice.



The image shows the 58SX450PLH with 8 ripper legs.



To point out the differences between current tillage methods and Imants tillage methods in terms of capacity and finance, we developed the ImCal app (see page 26 for more information).

On our trailed models there is the possibility to attach an implement by means of a drawbar. You can think of a trailing roller, a tire packer or a seeder. As you can see, there are many possibilities, so be well advised by an Imants advisor.





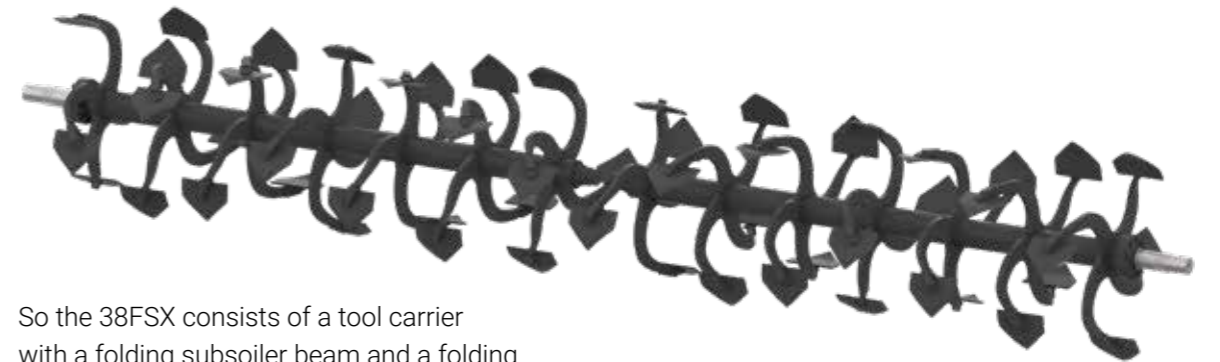
Digging
the
future

FOLDING TRAILED SPADING MACHINE

The construction of the folding trailed spading machine.

In this section, we take a closer look at the tool carrier with folding options. More specifically, the combination with the folding trailed spading machine, 38FSX. This spading machine is available in working widths of 450 or 600 cm (15 or 20 feet), but when folded up, the machine is no wider than 3 meters (10 ft.), making it compliant with the Road Traffic Act, RDW (Dutch) and TÜV (German). The tool carrier with folding subsoiler beam comes standard with this spading machine, but because there is a category III lift at the rear, another PTO driven implement can also be coupled. For example, a power harrow.

The SX-spadingblade
For use on all soil types except wet clay. The spading blades are easy to replace



So the 38FSX consists of a tool carrier with a folding subsoiler beam and a folding spading machine. The spading machine works the soil by means of spades attached to the spading axle via a steel arm. In the picture a 6-meter (20 ft.) variant spading axle consisting of two 3-meter (10 ft.) sections. The travel speed is around 6 km/h (3.7 m/h). The working depth of the subsoiler legs is about 50 cm (20") maximum and of the spading machine about 30 cm (12") maximum. However, deeper subsoiling and flatter spading (15-20 cm / 6-8") is also possible.



All spading machines are equipped with a torque limiting clutch for protection.

Digging the future



TOOL CARRIER WITH FOLDABLE SUBSOILER

Options for the tool carrier with foldable subsoiler

To make the tool carrier fit your business, you can choose from a number of options. The tool carrier with foldable subsoiler has the advantage that, when folded, the transport width is less than 3 meters and is therefore approved for road transport. In combination with the 38FSX spading machine, everything falls within 3 meters (10 ft.). This machine can also be equipped with various hitches. The picture shows, among others, a lift for seeder bar. This is mounted on both halves of the spading machine.

To make the tool carrier fit your farm completely, you can choose from a number of options.

The number of ripper legs can be varied as desired, weights can be added to the drawbar to obtain sufficient drawbar pressure, but also additional hydraulic lines to the rear to operate other implements can be mounted. The control box has room for two more functions. So there are plenty of options to customize the tool carrier to meet your needs.

An optional seed tank (not Imants) can be mounted as well as coulters. In that case, tilling, subsoiling, seedbed preparation and seeding in one working pass. Saving you time and fuel!



CONTROL BOX WITH 2 ADDITIONAL FUNCTIONS



EQUIP WITH VARIOUS WEIGHT SETS. CHOICE OF IN- AND/OR SUBSTRUCTURE

EQUIPPED WITH DEPTH WHEELS

SUBSOILER BEAM WITH 12 LEGS

HYDRAULIC 3-POINT HITCH

LIFTING DEVICE FOR A SEEDER BAR

OPTIONAL TIRES AIR PRESSURE SYSTEM

The image shows the 38FSX600H, working width 600 cm (20 ft.). Contact us for the options of the model of your choice.





The 38FSX can be equipped with different brands of seeders or other implements. Share your wishes and preferences with us and work with your Imants advisor to find the appropriate spading machine combination to meet these needs.



imants
Digging the future

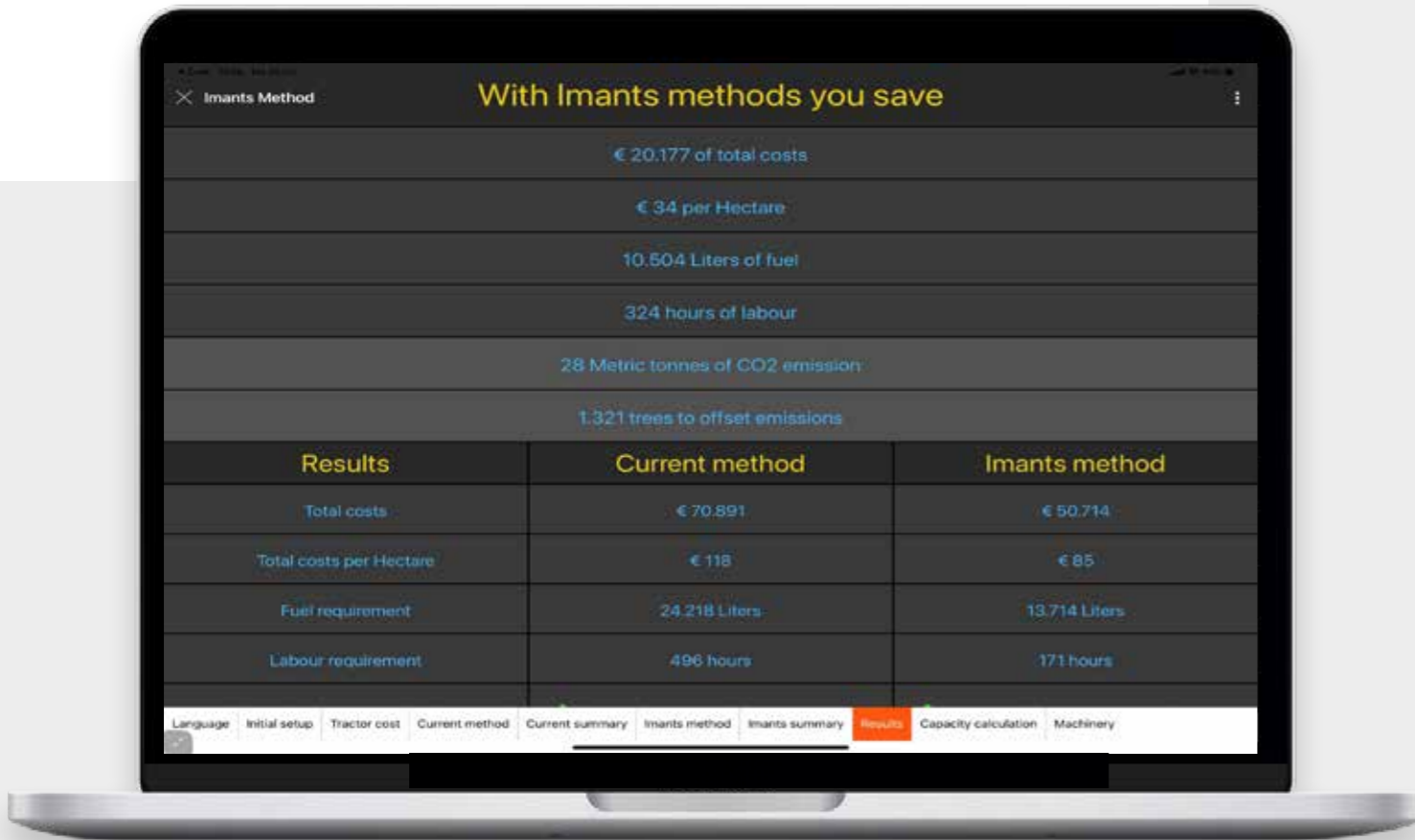
CALCULATION APP

IMCAL

To point out the differences between current tillage methods and Imants tillage methods in capacity and financial terms, we developed the ImCal app.

In a personal conversation of about one hour, you will be asked about the data of your plot, current tillage methods, available horsepower and method of depreciation. We will then explain and calculate the alternative Imants method.

Below is an example of such a calculation.
Don't wait but ask for a calculation of your situation and start saving!



Specifications carrier without options*

Type	Transport-width	Working-Width	Length	Max. power driveline (hp)	Weight (kg / lbs)
Carrier	295 / 9' 8"	n.a.	570 / 18' 8"	n.a.	3000 / 6614

Specifications carrier with non-folding trailed spading machine*

Type spading machine**	Transport width	Working-Width	Length***	Max. power driveline (hp)	Weight (kg / lbs)***
58SX300 (H)	332 / 10' 10"	300 / 10'	755 (848) / 297 (334)	340	7500 (8500) / 16535 (18739)
58SX366 (H)	398 / 13'	366 / 12'	755 (848) / 297 (334)	340	8000 (9200) / 17637 (20283)
58SX450 (H)	482 / 15' 9"	450 / 15'	755 (848) / 297 (334)	340	8750 (10000) / 19290 (22046)

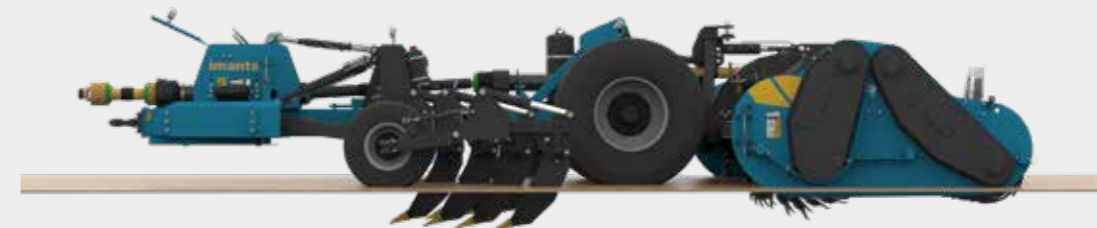
Specifications carrier with folding trailed spading machine*

Type spading machine	Transport-width	Working-Width	Length***	Max. power driveline (hp)	Weight (kg / lbs)
38FSX450H	295 / 9' 8"	450 / 15'	820 / 26' 10"	400	10000 / 22046
38FSX600H	295 / 9' 8"	600 / 20'	820 / 26' 10"	400	10700 / 23589

*Data based on carrier combined or not with spading machine. For all carriers, the possibility of combining with subsoiler beam and/or seeding as previously mentioned in the relevant option pages applies.

** 58SX available in variant with driven power harrow (example: 58SX300H) or without (example: 58SX300).

*** Weight/dimensions in parentheses are weight/dimensions of the combination with rake roller.



▲ The 58SX450PLH with 8 subsoiler legs has been chosen as an example. Working depth of the subsoiler legs is (depending on conditions) up to 50 cm (20") deep. The spading axle and driven power harrow work from 15 to 35 cm (6 to 14") deep.



▲ The 38FSX600H with 12 subsoiler legs has been chosen as the illustration. Working depth of the subsoiler legs is (depending on conditions) up to 50 cm (20") deep. The spading axle and driven power harrow work from 15 to 35 cm (6 to 14") deep.



Digging the future

Imants BV
Turnhoutseweg 29
5541 NV REUSEL, The Netherlands

Phone: +31 (0)497-642433

www.imants.com
info@imants.nl

Dutch CoC. 17154317
VAT No. NL811935371B01

*The information in this brochure is subject to change. No rights can be obtained from the specifications.
So always contact your imants representatives for advice.*

Dealer:

imants[®]
Digging the future

1209200123