

seppi m[®]

THE BEST FOR FARM & FOREST

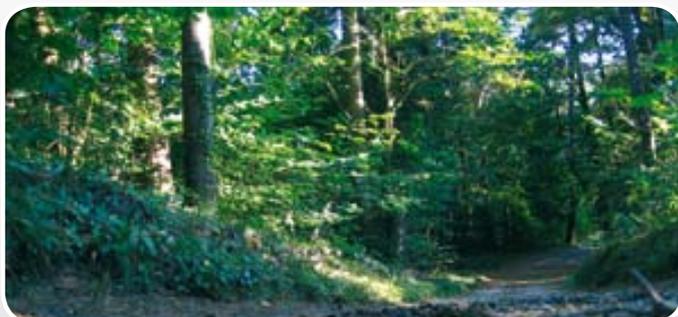


Quality by Design

EXCAVATOR MOUNTED MULCHERS

**H-SML - H-SMO-B
MINI BMS - BMS-L - BMS-F
BMS - SUPER BMS**

18 - 224 HP



INNOVATION

- > nearly 70 years experience, over 35 in mulching
- > continuous research for new solutions and technologies
- > optimal material

QUALITY

- > every machine is tested before leaving the factory
- > use of the best components only
- > low wear

RELIABILITY

- > excellent working machines
- > easy maintenance
- > fast and efficient after sales service

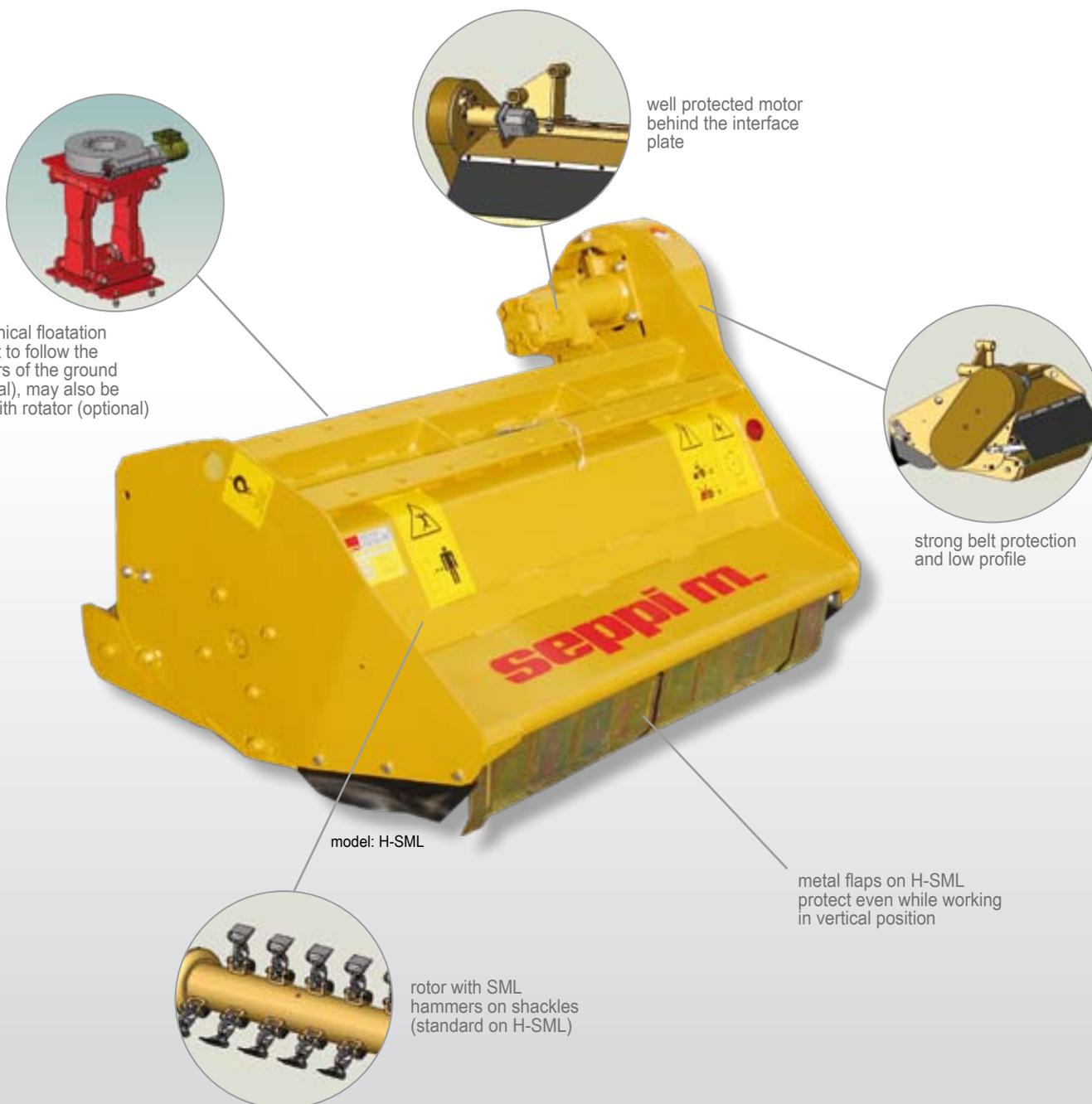
Excavator + mulcher. A winning couple for greenspace maintenance!

features	H-SML	H-SMO-B
mulches grass and prunings	5 cm [2"] Ø	7 cm [2.8"] Ø
for excavators	from 3 to 5 tons [6,615-11,023 lb]	from 5 to 13 tons [11,023-28,660 lb]
transmission with hyd. motor*	S	S
disposition for attachment to excavator	S	S
indirect transmission with adjustable rear hood	3 belts X	4 belts S
front protection	metal flaps	chains
rear protection	rubber flap	rubber flap
adjustable support roller	S	S
standard rotor	SML flails for shackles	SMO flails

S: standard - O: option - X: not available
* your SEPPi dealer can help you choose the right motor

The models H-SML and H-SMO-B are strong and versatile mulchers for maintaining wasteland and areas difficult to access. These mulchers can be mounted on small and medium tracked excavators or excavators with tyres. A suitable hydraulic system is necessary for operation.

The mulcher H-SML comes with a light chassis, and a support roller. It is ideal for mini-excavators for maintaining small greenspaces, riverbanks and canals.



mechanical floatation bracket to follow the contours of the ground (optional), may also be fitted with rotator (optional)

well protected motor behind the interface plate

strong belt protection and low profile

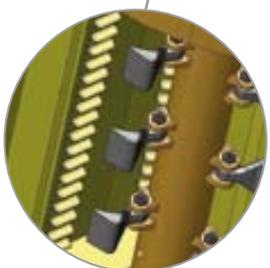
model: H-SML

metal flaps on H-SML protect even while working in vertical position

rotor with SML hammers on shackles (standard on H-SML)



model: H-SMO-B



rotor with SMO hammers and counterknives (standard on H-SMO-B)

The H-SMO-B is designed for excavator attachment. It works with hydraulic transmission. The rear hood allows the adjustment of the degree of mulching. With the support roller it is possible to adapt to the contours of the ground and to adjust the height of cut.

The H-SMO-B mulches grass and wood up to 7 cm [2.8"] in diameter.

options	H-SML	H-SMO-B	OPT
rotor with 2 Y flails on shackles	O	X	031
rotor with SMW hammer	O	X	039
valve for inverting the direction of rotation	X	O	258
gear motor	S	X	**
variable displacement piston motor	O	O	**
interface plate	O	O	218
interface plate with 190° hyd. rotation	O	O	372
floating attachment	O	O	099
additional rubber front protection	O	O	006

S: standard - O: option - X: not available
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	working width cm ["]	overall width cm ["]	depth cm ["]	height cm ["]	weight* kg [lb]	SML hammers #	SMW/SMO hammers #	roller Ø mm ["]	oil flow l/min [US-gal/min]	max. pressure bar [PSI]	kW min-max	HP min-max
H-SML	60 [25]	72 [28]	100 [39]	61 [24]	150 [330]	9	6	133 [5]	20-80 [5-21]	250 [3625]	18-25	25-35
	85 [33]	97 [38]	100 [39]	61 [24]	181 [400]	15	9	133 [5]			18-25	25-35
	105 [41]	117 [46]	100 [39]	61 [24]	207 [460]	21	9	133 [5]			18-25	25-35
	125 [49]	137 [54]	100 [39]	61 [24]	235 [520]	24	12	133 [5]			18-25	25-35
H-SMO-B	125 [49]	140 [55]	120 [47]	60 [24]	383 [844]	X	12	133 [5]	46-135 [12-36]	250 [3625]	25-40	35-54
	150 [59]	165 [65]	120 [47]	60 [24]	437 [963]	X	15	133 [5]			25-40	35-54
	175 [69]	190 [75]	120 [47]	60 [24]	483 [1064]	X	18	133 [5]			25-40	35-54
	200 [79]	215 [85]	120 [47]	60 [24]	535 [1179]	X	21	133 [5]			25-40	35-54

* The weight of the machine refers to the standard, without options, and may vary.



Great power, little weight: Easy to handle forestry mulching!

features	MINI BMS	BMS-L	BMS-F
mulches vegetation up to	10 cm [4"] Ø	7 (12**) cm [2.8 (4.7**)"] Ø	20 cm [8"] Ø
for excavators	from 5 to 10 tons [11,023-22,046 lb]	from 7 to 15 tons [15,430-33,069 lb]	from 13 to 25 tons [28,660-55,116 lb]
transmission with hyd. piston motor*	O	O	O
disposition for attachment to excavator	S	S	S
indirect transmission with hydraulic hood	5 belts S	5 belts S	5 belts O
skids	S	adjustable in height	adjustable in height
standard rotor	MINI BMS swinging hammers	SMO flails	MINIFORST fixed knives

S: standard - O: option - X: not available

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** BMS-L with forestry rotor, OPT 240, 193 or 228. Weight increases by 200 kg [440 lb].

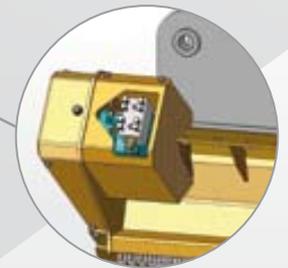
The mulchers of this series have been developed for medium size excavators. Mounted on the arm of an excavator mulcher, these mulchers will show great results in greenspace maintenance on riverbanks, in the forest and in other areas difficult to reach.

The BMS-F was designed for special vehicles, for example on railways. When attached to the arm of a railway vehicle, the BMS-F is ideal for maintaining the vegetation alongside railways. The rotor is particularly strong to bear frequent vertical mulching. The BMS-F mulches wood up to 20 cm [8"] in diameter.

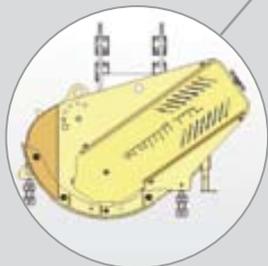
special metal chassis for very strong resistance to wear with limited weight



model: BMS-F



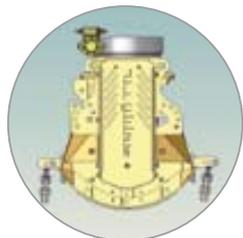
hydraulic piston motor with relief valve and anti-cavitation valve



low profile for more facility at work



fixed knives rotor with strong bearings for high performance even in vertical positions



model: BMS-L



model: MINI BMS

MINI BMS is the lightest forestry mulcher of the SEPPI range of excavator mounted mulchers. Its light weight makes it ideal for attachment to long excavator arms. This way the mulcher will reach even far off spaces.

With its double adjustable hood, the model BMS-L can work in two directions. Many specific situations determined by the type of vegetation, the soil and the environment will thus be easy to handle! With its standard rotor, the BMS-L mulches brush up to 7 cm [2.8"] in diameter, with the optional forestry mulcher it will mulch material up to 12 cm [4.7"].

options	MINI BMS	BMS-L	BMS-F	OPT
swinging hammer forestry rotor	S	O	X	240
swinging hammer forestry rotor with tungsten tips	X	O	X	193
fixed knife rotor with 2 tungsten tips	O	O	S	228
valve for inverting the direction of rotation	O	O	X	258
variable displacement piston motor	O	O	X	**
bent axis piston motor	O	X	O	**
attachment interface	O	O	O	218
attachment interface with 190° hyd. rotation	O	O	O	372
attachment interface spider excavator	X	O	X	130
hydraulic rear hood	S	S	O	317
hydraulic front and rear hood	X	O	X	339

S: standard - O: option - X: not available
 ** your SEPPI dealer can help you choose the right motor

	working width cm ["]	overall width cm ["]	depth cm ["]	height cm ["]	weight* kg [lb]	SMO hammers #	swinging hammers #	fixed knives (214) #	oil flow l/min [US-gal/min]	max. pressure bar [PSI]	kW min-max	HP min-max
MINI BMS	85 [33]	100 [39]	103 [41]	72 [28]	390 [860]	X	13	18	50-120 [13-32]	350 [5075]	30-50	40-67
	105 [41]	120 [47]	103 [41]	72 [28]	430 [948]	X	17	21				
	125 [49]	140 [55]	103 [41]	72 [28]	490 [1080]	X	20	27				
BMS-L	100 [39]	131 [51]	80 [31]	73 [29]	450 [992]	9	15	21	46-135 [12-36]	250 [3625]	25-40	35-54
	125 [49]	156 [61]	90 [35]	73 [29]	526 [1159]	12	20	27				
	150 [59]	181 [71]	90 [35]	73 [29]	580 [1279]	15	24	30				
BMS-F	100 [39]	128 [50]	105 [41]	72 [28]	565 [1245]	X	X	21	75-140 [20-37]	350 [5075]	40-60	54-80
	125 [49]	153 [60]	105 [41]	72 [28]	640 [1410]	X	X	27				
	150 [59]	178 [70]	105 [41]	72 [28]	715 [1580]	X	X	30				

* The weight of the machine refers to the standard, without options, and may vary.

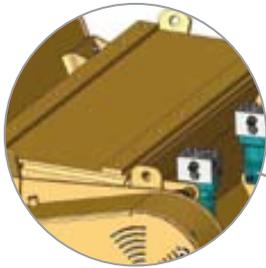


Get the most out of your excavator. With these superior SEPPI mulchers!

features	BMS	SUPER BMS
mulches wood up to	25 cm [10"] Ø	40 [16"] cm Ø
for excavators	from 13 to 25 tonnes [28,660-55,116 lb]	from 20 to 35 tonnes [44,092-77,162 lb]
transmission with hyd. piston motor*	S	S
disposition for attachment to excavator	S	S
indirect transmission with	5 belts	10 belts
hydraulic hood	S	S
skids	adjustable	S
standard rotor	MIDIFORST swinging hammers	MAXIFORST fixed knives

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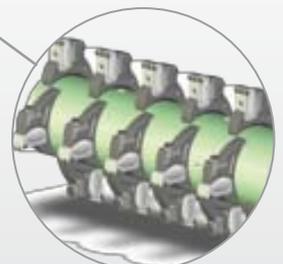
These mulchers are highly powerful and shall be applied to high performance excavators. The BMS and SUPER BMS are ideal for real tough jobs in the forest, along power lines and on construction sites. Especially in the forest these are great tools for clearing slash after the wood harvest. Even big stumps and wood up to 25 cm [10"] and 40 [16"] cm in diameter are easy to eliminate!



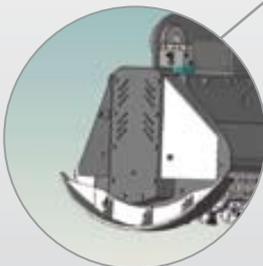
universal attachment interface



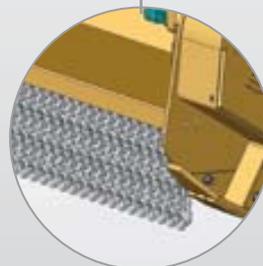
model: BMS



fixed knife rotor - new generation (optional)



very strong casing to resist strong load



protection chains with metal plates



options	BMS	SUPER BMS	OPT
swinging hammer rotor with tungsten tips	O	X	193
fixed knife rotor with 2+1 tungsten tips	O	S	214
fixed knife rotor with 2 tungsten tips	O	O	228
bent axis piston motor	O	O	**
interface plate	O	O	372
interface plate with 190° hyd. rotation	O	X	218
additional front rubber protection	O	X	006

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	working width cm ["]	overall width cm ["]	depth cm ["]	height cm ["]	weight* kg [lb]	swinging hammers #	fixed knives (214) #	fixed knives (228) #	oil flow l/min [US-gal/min]	max. pressure bar [PSI]	kW min-max	HP min-max
BMS	100 [39]	131 [52]	105 [41]	85 [33]	920 [2028]	15	16	20	100-210	350	51-109	70-150
	125 [49]	156 [62]	105 [41]	85 [33]	1040 [2292]	20	20	28			51-109	70-150
	150 [59]	181 [71]	105 [41]	85 [33]	1120 [2468]	24	24	32			51-109	70-150
SUPER BMS	150 [59]	192 [75]	120 [48]	105 [41]	2565 [5656]	X	27	34	200-300	350	82-165	112-224
	175 [69]	217 [85]	120 [48]	105 [41]	2825 [6230]	X	30	36			82-165	112-224
	200 [79]	242 [95]	120 [48]	105 [41]	3085 [6803]	X	36	42			82-165	112-224

* The weight of the machine refers to the standard, without options, and may vary.



INSTALLATION

The installation of hydraulic mulchers on an excavator requires some technical skills and knowledge. This page gives most information needed for the set-up and installation of your machine. Nevertheless, we recommend to refer to the user manual for a detailed description and safety procedures.

Attachment interface

Mulchers for excavators can be supplied with a universal interface that can accept different attachment plates, depending on the excavator used. For details or drawings of the universal interface please ask your SEPPi dealer.

Weight

The excavator must be able to carry the weight of the mulcher as indicated on the ID plate. For many excavators a good approximation is:

excavator weight \geq 15 x mulcher weight

Pressure

To avoid overheating the circuits the system pressure should never exceed the indicated maximum pressure. However, all hydraulic motors delivered by SEPPi are equipped with top mounted pressure relieve valves set to the right pressure.

Case drain pressure

All motors delivered by SEPPi are high performance piston motors which need a case drain connection to the tank. The case drain pressure must never exceed the values specified in the table below!

model	drainage pressure
H-SML, H-SMO-B, BMS-L, MINI BMS	max. 1.5 bar [21 PSI]
MINI BMS, BMS-F, BMS, SUPER BMS	max. 5 bar [70 PSI]

Flow

The efficiency of the mulcher depends mostly on the speed of the rotor. The speed depends on the flow available from the prime mover and on the size of the hydraulic motors installed.

Upon demand, your SEPPi dealer can help you to define which of the available motors will best fit the hydraulic circuit on your prime mover or compact loader.

Direction of the rotor

The direction is defined on each model.

Some mulchers can optionally be fitted with an additional valve which allows the motor to run in both directions. This will reverse the rotation of the rotor, so swinging hammer rotors will cut in either direction with suitable extra guarding.

Hydraulic hoses and connections

To install the machine on the prime mover or compact loader, the hydraulic pipes and hoses have to be made on site. For the diameter of the hoses take the following table as a reference:

pipes and hoses	recommended diameter				
	25-50 l/min [7-13 US gal/min]	50-100 l/min [13-26 US gal/min]	100-200 l/min [26-53 US gal/min]	200-400 l/min [53-106 US gal/min]	400-800 l/min [106-211 US gal/min]
pressure (P)	3/4"	1"	1 1/2"	2 1/2"	2 x 2 1/2"
return (T)	3/4"	1"	1 1/2"	2 1/2"	2 x 2 1/2"
drainage (D)	1/2"	3/4"	1"	1"	1"

Hydraulic hood control

On forestry mulchers the hood can be opened or closed hydraulically. This requires an additional directional valve. On request this valve can be delivered by SEPPi.

Cavitation

Cavitation happens when the motor runs "dry", e.g. the hydraulic flow is interrupted but the mulcher continues to rotate. To prevent damages to the motor due to cavitation all motors are equipped with an "anti-cavitation" valve mounted on top.

Open or closed loop

All hydraulic SEPPi mulchers can be installed on either open or closed loop systems. Closed loop circuits sometimes need extra flushing valves for cooling. In that case please contact your SEPPi dealer or the SEPPi technical department.

Safety

SEPPi M. requests to have ROPS/ FOPS standard protected cabins and to follow all the safety instructions listed in the user manual.



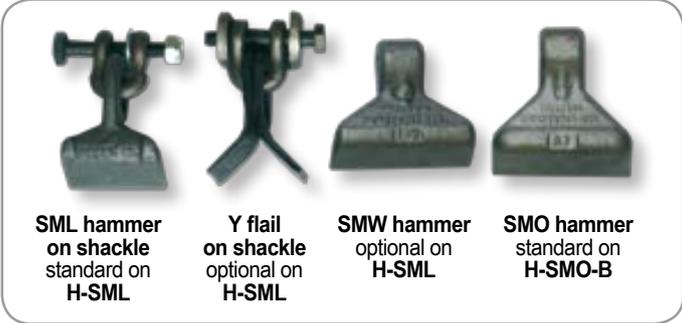
ROTORS AND HAMMERS



SMW and SMO hammer rotor



SWINGING HAMMER rotor



SML hammer on shackle
standard on **H-SML**

Y flail on shackle
optional on **H-SML**

SMW hammer
optional on **H-SML**

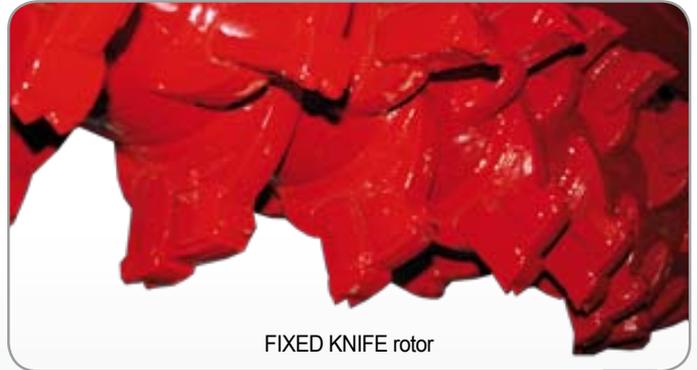
SMO hammer
standard on **H-SMO-B**



different hammer sizes, according to model
standard on **MINI BMS** and **BMS**
optional on **BMS-L**



FIXED KNIFE rotor



FIXED KNIFE rotor



over 10 years
great experience!



hammer with 2+1 tungsten tips
different hammer sizes, according to model
standard on **SUPER BMS**
optional on **BMS**



new
generation



hammer with 2 tungsten tips
standard on **BMS-F**
optional on **MINI BMS**, **BMS-L**, **BMS**, and **SUPER BMS**

The information and images contained in the present documentation are to be considered reference values. SEPMI M. may carry out even substantial changes without previous notification.



The Advantage of High Quality

Founded in 1939 by Max Seppi and specializing in the manufacture of mowers since 1970, SEPPI M. is now one of the foremost manufacturers in its sector – not only in Italy, but throughout the world.

“The best for farm and forest” – SEPPI’s motto commit the company to the manufacture of only the best equipment whether for agriculture, forestry or greenspace maintenance.

The decades of experience and tireless research for better technology and materials guarantee products of the highest quality which will provide unrivalled service even in hard conditions.

Discover the advantages offered by the equipment of SEPPI M.!



AGRICULTURAL, FORESTRY AND INDUSTRIAL MULCHERS

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AUTHORIZED DEALER

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