

seppi m.®

MULCHING EQUIPMENT SPECIALISTS



Quality by Design

HYDRAULIC DRIVE MULCHERS

**SMWA SKID STEER - SMO SKID STEER
MINIFORST SKID STEER - MIDIFORST SKID STEER
MIDIFORST DT HYD - STARFORST HYD
SUPERFORST HYD**

27 - 550 HP



INNOVATION

- > over 70 years experience, mulching equipment specialists since 1971
- > 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

Hydraulic Drive Mulchers

For Compact Loaders, Skid Steers, Wheeled and Tracked Hydraulic Drive Prime Movers

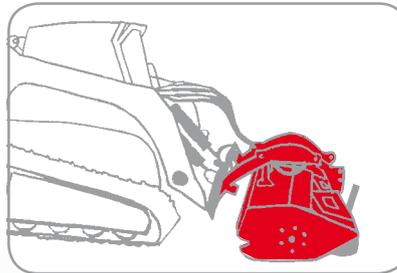


- > Mulchers with hydraulic transmission have been developed specifically for hydraulic prime movers and skid steer loaders **up to 550 HP**, no matter whether in forestry, in greenspace maintenance or in agriculture.
- > The combination of a SEPPi mulcher with a hydraulic prime mover helps maintain steep and otherwise inaccessible areas – **so you can mulch hard to reach areas** with confidence.
- > There are 7 different mulchers with hydraulic transmission available. According to the size and strength they are ideal for clearing slash in forests, maintaining rights of way, public greenspace, roadsides, electric lines, pipelines. In the forest they're especially helpful in fire prevention and for restoring areas damaged by storms.
- > Hydraulically driven mulchers **grind up branches, bushes and trees up to 50 cm [20"]** in diameter.

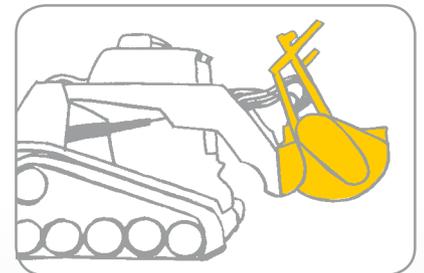
"Our SEPPi SUPERFORST 250, mounted on a hydraulic carrier is seriously out producing and performing our other mulcher. It seems to be the perfect combination of head and machine. Since its purchase, tooth costs have been cut in half. We work in everything from muskeg with water halfway up the tractor – to right of way maintenance with 20" plus stumps. It is just great everywhere!"

Mike Daniels, Canada contractor

How to work with hydraulically driven mulchers?



hydraulic drive flail mulcher on skid steer



hydraulic drive forestry mulcher on skid steer

The SEPPi range of hydraulically driven mulchers:



Professional greenspace maintenance on compact loaders.

features	SMWA skid steer	SMO skid steer
mulches grass and brush up to	5 cm [2"] Ø	7 cm [2.8"] Ø
working speed	3 - 5 km/h	3 - 5 km/h
SAE skid steer attachment interface	floating to follow the contours of the ground	floating to follow the contours of the ground
transmission with hyd. motor*	S	S
number belts	up to 155 cm	3
	from 175 cm	4
adjustable hood with rubber protection	S	S
front protection	metal flaps	metal flaps
support roller, adjustable in height	5 cm [2"]	5 cm [2"]
standard rotor with	SMW hammers	SMO hammers

S: standard

* your SEPPI M. dealer can help you choose the right motor

The compact loaders mulchers **SMWA skid steer** and **SMO skid steer** mulch grass and brush up to 5 cm [2"] and 7 cm [2.8"] in diameter.

These machines are particularly suitable for the maintenance of greenspace. They efficiently cut and mulch grass and light brush. Typical applications are on construction sites, in parks, on roadsides and on farms.





SMWA skid steer

SMWA skid steer and SMO skid steer have a strong chassis, counterknives, support roller, adjustable rear hood and all other standards of the SEPPi mulchers.

SMWA skid steer	SMO skid steer	OPT
-----------------	----------------	-----

options

rotor with Y flails without shackles	O	O	030
variable displacement piston motor with relief valve	O	O	*

O: option

* your SEPPi M. dealer can help you choose the right motor

	working width cm ["]	overall width cm ["]	depth cm ["]	height cm ["]	weight* kg [lb]	standard flails #	Y flails #	recomm. oil flow l/min [US-gal/min]	max. pressure bar [PSI]	kW min-max	HP min-max
SMWA skid steer	155 [61]	167 [66]	90 [35]	95 [37]	445 [981]	15	21	41-140 [11-37]	250 [3,625]	20-40	27-55
	175 [69]	187 [74]	90 [35]	95 [37]	496 [1,094]	18	24				
	200 [79]	212 [83]	90 [35]	95 [37]	525 [1,158]	21	30				
SMO skid steer	150 [59]	165 [65]	110 [43]	110 [43]	565 [1,245]	15	21	41-140 [11-37]	250 [3,625]	25-63	33-85
	175 [69]	190 [75]	110 [43]	110 [43]	637 [1,405]	18	24				
	200 [79]	215 [85]	110 [43]	110 [43]	685 [1,510]	21	30				

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

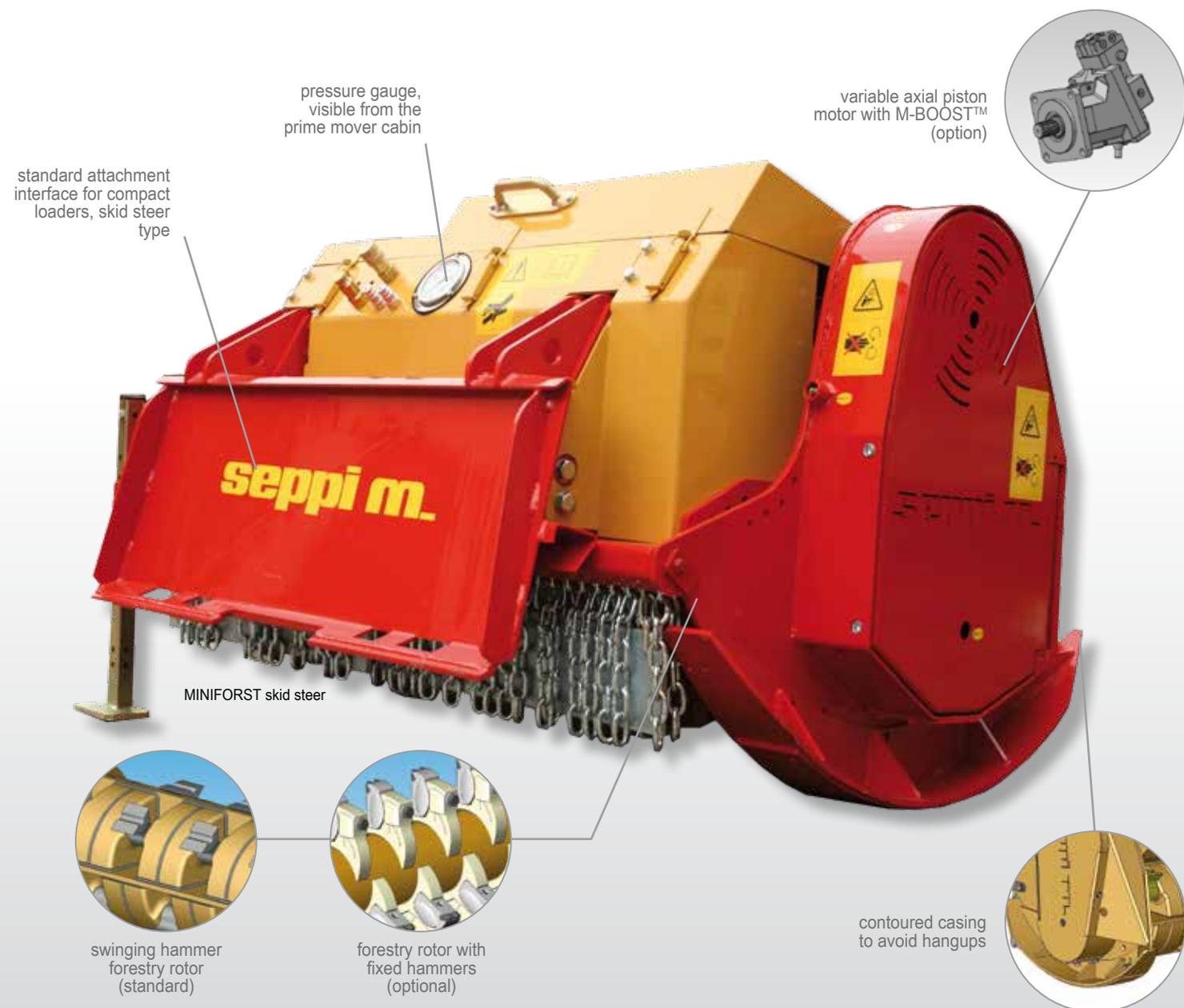


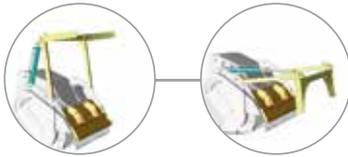
Get rid of wood and brush – with your skid steer loader!

features	MINIFORST skid steer	MIDIFORST skid steer
mulches grass and brush up to	12 cm [4.7"] Ø	25 cm [10"] Ø
working speed	0 - 5 km/h	0 - 5 km/h
SAE skid steer attachment interface	fixed	fixed
transmission with hyd. motor*	S	S
number belts	5	5
hydraulical hood	S	S
front and rear protection	chains	chains
standard rotor with	swinging hammers	swinging hammers

S: standard
 * your SEPPI M. dealer can help you choose the right motor

These skid steer mulchers are suitable not just for forestry jobs but for all sort of greenspace maintenance with vegetation such as branches, tree trunks and stumps to eliminate. These mulchers will grind up wood and leave a fine mulch behind, soon decomposing into precious soil.





hydraulic guard frame for more safety in felling operations (optional)



MINIFORST skid steer

MINIFORST skid steer and MIDIFORST skid steer are compact but powerful forestry mulchers to be attached to skid steer loaders.

Wahlausstattung	MINIFORST skid steer	MIDIFORST skid steer	OPT
	rotor with fixed hammers MINI DUO	O	O
mechanic guard frame	O	O	014
hydraulic guard frame	O	X	131
variable displacement axial piston motor with relief valve	X	O	*
fixed displacement axial piston motor with relief valve	O	X	*
automatic variable displacement axial piston motor with M-BOOST™	O	X	*
valve to open the hood	O	O	158

O: optional - X: not available

* your SEPPi M. dealer can help you choose the right motor

	working width cm ["]	overall width cm ["]	depth cm ["]	height cm ["]	weight* kg [lb]	swinging hammers #	fixed hammers MINI DUO #	recomm. oil flow l/min [US-gal/min]	max. pressure bar [PSI]	kW min-max	HP min-max
MINIFORST skid steer	150 [59]	174 [69]	115 [45]	110 [43]	965 [2,128]	24	30	44-170 [12-45]	250 [3,625]	35-74	47-100
	175 [69]	199 [78]	115 [45]	110 [43]	1.050 [2,315]	29	33				
	200 [79]	224 [88]	115 [45]	110 [43]	1.175 [2,591]	33	36				
MIDIFORST skid steer	150 [59]	179 [71]	112 [44]	120 [47]	1.120 [2,470]	24	32	91-140 [24-37]	350 [5,075]	59-88	80-120
	175 [69]	204 [80]	112 [44]	120 [47]	1.320 [2,911]	29	40				
	200 [79]	229 [90]	112 [44]	120 [47]	1.440 [3,175]	33	44				

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



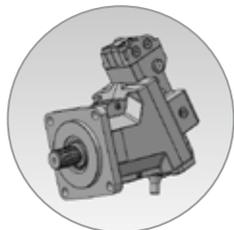
A winning recipe: Attach high performers to high performers!

features	MIDIFORST dt hyd	STARFORST hyd	SUPERFORST hyd
mulches brush and wood up to working speed	30 cm [12"] Ø 0-5 km/h	40 cm [16"] Ø 0-5 km/h	50 cm [20"] Ø 0-5 km/h
attachment interface	ISO 3-point linkage 2.cat. or universal attachment interface	ISO 3-point linkage 3.cat. or universal attachment interface	ISO 3-point linkage 3.cat. or universal attachment interface
transmission with hyd. motors*	prepared for transmission with 2 hydraulic motors	prepared for transmission with 2 hydraulic motors	prepared for transmission with 2 hydraulic motors
number belts	10	10	10
hydraulic hood	S	S	S
skids, adjustable in height	5 cm [2"]	5 cm [2"]	not adjustable
front and rear protection	chains	chains with plates	chains with plates
standard rotor	swinging hammers	fixed hammers MINI DUO	swinging hammers

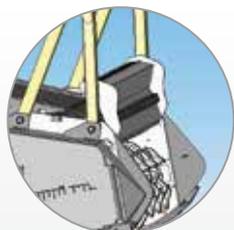
S: standard

* your SEPPI M. dealer can help you choose the right motor

MIDIFORST dt is the classical SEPPI forestry mulcher. Professionals around the world love it, no matter whether with hydraulic or mechanical drive!



two hydraulic motors for high pressure and oil flow up to 700 l/min [184 US-gal/min]



large exposure of the rotor to the trees promotes fast mulching

guard frame ALBERTA for safe felling operations (option)



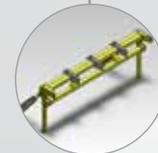
OPT 014



OPT 014+410



OPT 131



OPT 131+410



OPT 222

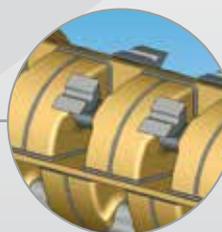
reinforced belt cover ALBERTA



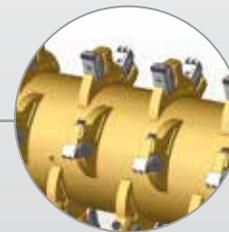
reinforced skids ALBERTA



MIDIFORST dt hyd ALBERTA edition



rotor with swinging hammers (standard)



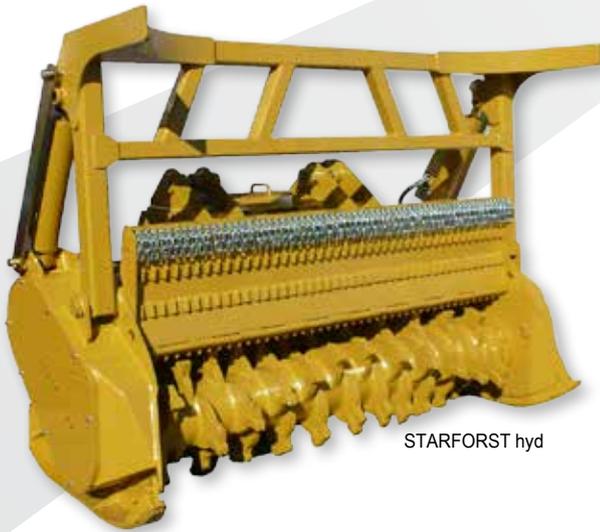
rotor with fixed hammers MINI DUO (Wahlusstattung)

STARFORST is a compact and powerful forestry mulcher with an especially aggressive new rotor.

SUPERFORST is the top performer in the SEPPI M. forestry range for hydraulic prime movers.



SUPERFORST hyd



STARFORST hyd

	MIDIFORST dt hyd	STARFORST hyd	SUPERFORST hyd	OPT
options				
rotor with swinging hammers	S	X	S	240
rotor with fixed hammers MINI DUO	O	S	O	228
narrow skids	O	O	X	183
mechanic guard frame "ALBERTA"	O	O	O	014
hydraulic guard frame "ALBERTA"	O	O	O	131
mechanic guard frame with tools "ALBERTA"	O	O	O	014+410
hyd. guard frame with tools "ALBERTA"	O	O	O	131+410
hyd. guard frame with rakes "ALBERTA"	O	O	O	222
hydraulic block with pressure relief valve and internal hoses	O	O	O	387
2 hydraulic motors with constant flow	O	O	O	*
2 hydraulic motors with variable flow	O	X	X	*
2 automatic variable axial piston motor M-BOOST™	O	O	O	*
interface plate for different types of movers	O	O	O	*

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

	working width cm ["]	overall width cm ["]	depth cm ["]	height cm ["]	weight* kg [lb]	swinging hammers #	fixed hammers #	recomm. oil flow l/min [US-gal/min]	max. pressure bar [PSI]	kW min-max	HP min-max
MIDIFORST dt hyd	200 [79]	233 [92]	128 [50]	115 [45]	1.650 [3,638]	33	44	200-350 [53-92]	350 [5,075]	110-220	150-290
	225 [89]	258 [102]	128 [50]	115 [45]	1.970 [4,340]	38	48				
	250 [98]	283 [111]	128 [50]	115 [45]	2.190 [4,830]	42	52				
STARFORST hyd	200 [79]	244 [96]	140 [55]	115 [45]	2.640 [5,820]	X	44	300-500 [79-132]	400 [5,800]	170-330	230-440
	225 [89]	269 [106]	140 [55]	115 [45]	2.760 [6,085]	X	48				
	250 [98]	294 [116]	140 [55]	115 [45]	2.920 [6,440]	X	56				
SUPERFORST hyd	200 [79]	244 [96]	140 [55]	125 [49]	3.400 [7,497]	41	42	300-700 [79-184]	400 [5,800]	190-410	250-550
	225 [89]	269 [106]	140 [55]	125 [49]	3.700 [8,160]	47	48				
	250 [98]	294 [116]	140 [55]	125 [49]	4.000 [8,820]	52	54				

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



INSTALLATION

The installation of hydraulic mulchers on a prime mover or loader 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 skid steer loaders have a standard SAE interface, which will fit most loaders worldwide. All other mulchers can be equipped with either a universal interface or an ISO 3-point linkage.

The universal interface can be adapted to all kinds of prime mover, including those with 3-point linkages and those with 4-point linkages. For details or drawings of the universal interface please ask your SEPPI dealer.

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
SMWA skid steer, SMO skid steer MINIFORST skid steer	max. 1.5 bar [21 PSI]
MIDIFORST skid steer, MIDIFORST dt STARFORST, SUPERFORST	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.

Safety

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

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.



ROTORS AND HAMMERS



SMW and SMO flail rotor

SMWA skid steer and SMO skid steer:
standard with flails, optional with knives



SWINGING HAMMER rotor

standard on **MINIFORST skid steer, MIDIFORST skid steer, MIDIFORST dt and SUPERFORST**



SMW flail - SMO flail - Y knife SMW - Y knife SMO



different hammer sizes, according to model



FIXED KNIFE rotor narrow

standard on **STARFORST**, optional on **MINIFORST skid steer, MIDIFORST skid steer, MIDIFORST dt, SUPERFORST**



MINI DUO (OPT 228)

fixed hammer rotor with two tungsten tips is more aggressive and causes less wear



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



The Advantage of High Quality

Mulching Equipment Pioneers

Founded in 1939 by Max Seppi, SEPPI M. is now one of the foremost manufacturer in its sector - not only in Europe, but worldwide. A pioneer like no other, SEPPI has been manufacturing mulching equipment for more than 40 years. SEPPI's mission is "To improve the professional's work through innovative and efficient solutions".

The many years of experience, together with the tireless research for more advanced technologies and more resistant materials result in the premium quality of the SEPPI equipment with tough machines that are reliable even under extreme working conditions.

The biggest gratification over the past 70 years has been our satisfied customers, who have benefitted from long and efficient work with the SEPPI equipment – a continuous motivation to keep on focusing on high quality! The family-based character of the company today being led by the third generation, stands for fair and responsible business relationships.

Discover the many advantages of owning SEPPI equipment!



AGRICULTURAL, FORESTRY AND INDUSTRIAL MULCHERS

SEPPI M. S.p.A. - Zona Artigianale 1 - 39052 Caldaro (Bolzano) Italy
Tel. +39 0471 963550 - Fax +39 0471 962547 - sales@seppi.com - www.seppi.com

AUTHORIZED DEALER

Ask our team for further information