

Screening
Crushing
Mixing
Aerating
Loading

ALLU[®] SM

Screeners Crusher



ALLU[®] Screener Crusher.

A unique solution for fast and effective processing of different materials.

The ALLU[®] SM Versatile Attachment concept came from the idea to develop an attachment for loaders/excavators that would screen, crush, mix and pulverize as many materials as possible.

The reliability, versatility, easy maintenance and cost effectiveness are the reasons that make the ALLU[®] attachment special.

Our ideas, continuous product development and our thousands of machines worldwide, are things that I am genuinely proud of.



A stylized, handwritten signature in black ink, likely belonging to Markku Jonninen.

Markku Jonninen
Chairman of the Board



Numerous ALLU applications worldwide



1. Screening of peat e.g. separation of stumps from fuel peat.



2. Aeration of sludge and other compost speeds up the composting process.



3. Bio waste and a bulking agent can be crushed and mixed in one step.



4. Pre-screening, aerating and loading directly into the truck in one step.

The wide ALLU-product range can be easily installed on almost any base machine, creating an effective screening/crushing unit, which can replace expensive specialized machinery. Here you will find some applications.



5. Construction waste can be screened and crushed.



6. Screening of aggregate back into the pipe ditch speeds up the filling process.



7. ALLU separates the fine from oversized materials.

How Does I

The ALLU attachment is installed on almost any base machine, such as wheel loaders and excavators. The ALLU is an attachment that can be mounted on either the top or bottom of a bucket. The ALLU has a pulverizer and size separator. The operator activates the ALLU by pressing a button on the control panel.



8. Screening and pulverizing



9. Pulverization of fertilizer, mining/fertilizer calcified salt.

t Work

ent is designed for hydraulically op-
uch as skidsteers, backhoe/wheel
tors. The ALLU is attached to the
racket or quick coupler.
hment, which is installed in place of
loader or excavator. In place of the
as rotating discs with hammers that
material. After loading the bucket,
es the auxiliary hydraulic controls,

which rotate the drums breaking up soft materials and screening fines out by gravity. Once all fines have come out, the operator dumps the oversized to another location. The cycle is fast, reliable and extremely cost-effective. Variable speed and direction, forward or reverse, are controlled by the hydraulic oil pressure provided by the host machine carrier and operated by a joystick (3rd valve) in the cab of the machine.



ulverizing of any soil.



rozen soil or materials in the
industry e.g. ore concentrate



10. Stabilization of clay and contaminated soil.



11. Easy way to make
different soil mixtures.



12. Crushing of glass.



13. Crushing of lightweight
concrete.



14. Crushing of bark.

ALLU is patented worldwide.

The ALLU Versatile Attachment can be adapted according to the material at hand.

1. Perforated Extra Screens

Extra screens are one of the ALLU Attachment accessories, which are available in different sizes. The screens are used for fine screening of dry materials such as soil or peat. The screens are also used when pulverizing e.g. glass.



2. Crushing Bars

The crushing bars are mounted between the drums when additional crushing effect is needed e.g. crushing bark.



3. Adapters / Basic Plates

All ALLU models come with fastening ears for adapters or basic plates.

Adapter or basic plate for wheel loaders



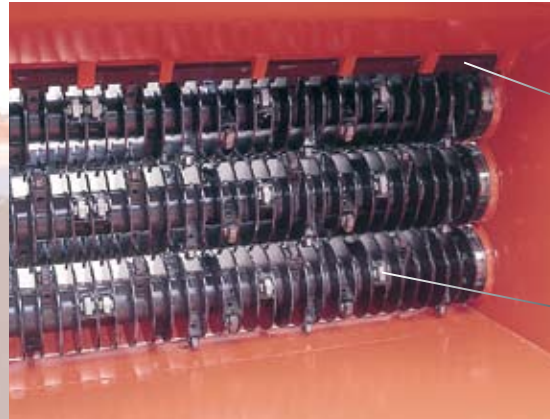
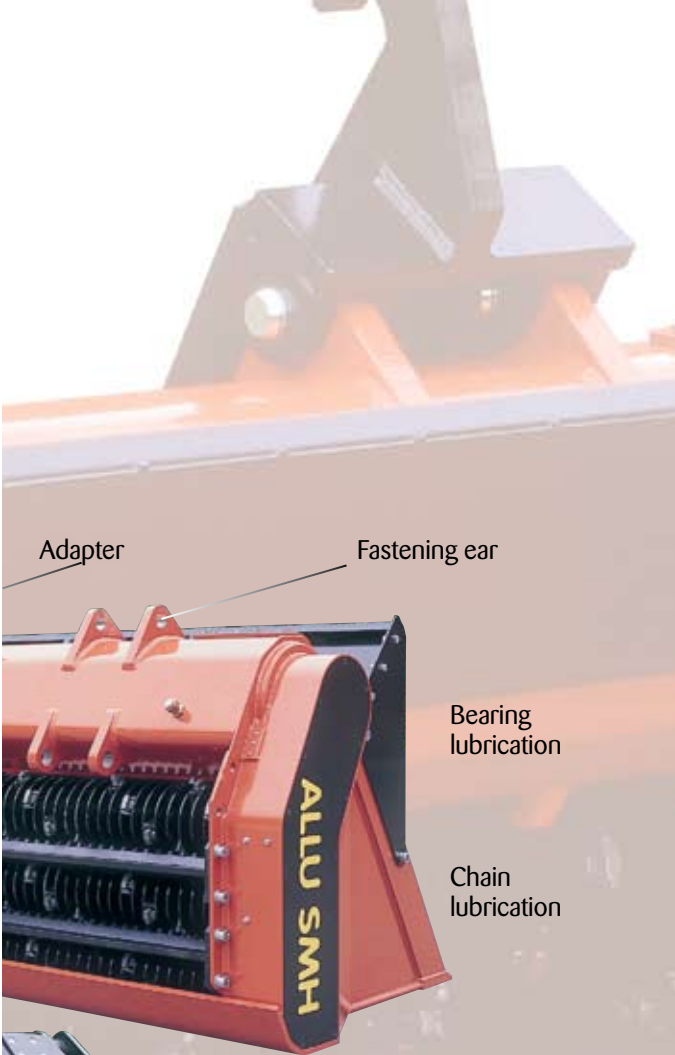
Adapter or basic plate for excavator



4. Extra Sides

The extra sides are mounted when additional bucket volume is required. When mounted on a wheel loader the extra sides also functions as an effective splash guard. The bucket volume increases 30 % with the extra sides.

Drums



When designing the ALLU Screener Crusher, one of the most important criteria has been the easy maintenance and interchangeability of the wear parts. The unit comes with either 60 mm or 40 mm drum disc spacing. Also specially designed drums for stabilization of contaminated soil and processing of wet compost are available upon request.

Hammers

The hammers are manufactured by forging. The high wear resistance of the hammers is the result of this manufacturing method. The rigidity of



60 mm and 40 mm standard hammers. The most common type of hammer, because it is applicable for almost any type of operation. This hammer type has more crushing power than the oval hammer.



60 mm and 40 mm oval hammer. This hammer is used when processing materials that have a high stone content e.g. moraine



60 mm and 40 mm axe hammer. This hammer is used when processing materials that require additional shredding e.g. bio waste and bark and municipal solid waste.



Listening to customer needs and putting a lot of effort into product development, are the reasons why ALLU has been the market leader in its field for 10 years, ensuring the quality and continuous development of our products in the future.

Light SML



- light construction
- small base machines
- light applications
- screening of soil
- landscaping



Standard SM



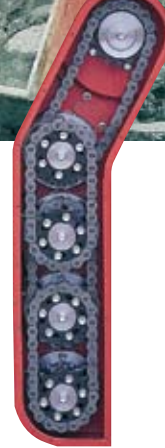
- strong construction
- middle sized and large base machines
- heavy applications
- screening of topsoil
- stabilization
- processing of compost
- crushing of bark
- crushing of glass
- also the SML



Heavy Duty SMH



- heavy duty construction
- large base machines
- very heavy applications
- processing of contaminated soil
- crushing of lightweight concrete
- crushing of glass and bricks
- processing of black top



Model	Base Maschine Recom. 1000 LB	Volume ISO/SAE CU. YD	Weight 60 mm Drums LBS	Hydr. Recom. GPM	Screening Area SQ. YD.	Hammers per bucket		Width IN.	Power Continuous/ Peak Kw
						60 mm Drums	40 mm Drums		

SKID STEERS AND TRACTORS (also for 10.000-18.000 lb. backhoe loaders)

SML 2-12	3-4	0,50	840	8-16	0,7			59	20/37
SML 2-17	4-11	0,75	1100	8-16	0,9			80	20/37

15.000 – 75.000 LB. EXCAVATORS

SM 2-12	28-33	0,85	2460	21-35	0,8	32	44	59	50/60
SM 2-17	35-48	1,20	3040	21-35	1,2	48	88	80	50/60
SM 3-12	34-46	1,30	2950	29-44	1,2	48	66	59	60/70
SM 3-17	48-55	1,80	3650	29-44	1,6	72	102	80	60/70
SM 4-12	46-55	1,70	3500	29-44	1,5	64	88	59	60/70
SM 4-17	55-66	2,50	4290	37-55	2,1	96	136	80	60/70
SMH 3-12	47-56	1,30	3800	43-68	1,2	48	66	59	100/120
SMH 3-17	56-66	1,80	4600	43-68	1,6	72	102	80	100/120
SMH 4-12	56-66	1,70	4400	43-68	1,5	64	88	59	100/120
SMH 4-17	62-75	2,50	5400	43-68	2,2	96	138	80	100/120

15.000 - 51.000 LB. WHEEL LOADERS

SM 2-12	13-20	0,85	2460	21-35	0,8	32	44	59	50/60
SM 2-17	15-22	1,20	3040	21-35	1,2	48	68	80	50/60
SM 2-23	20-26	1,60	3586	21-35	1,5	64	92	101	50/60
SM 3-12	16-22	1,30	2950	29-44	1,2	48	66	59	60/70
SM 3-17	20-26	1,80	3650	29-44	1,6	72	102	80	60/70
SM 4-12	20-26	1,70	3500	29-44	1,5	64	88	59	60/70
SM 4-17	24-31	2,50	4290	37-55	2,1	96	136	80	60/70
SM 3-23	24-31	2,50	4500	37-55	2,1	96	138	101	60/70
SM 3-27	28-35	3,00	5050	37-55	2,5	114	162	117	60/70
SM 4-23	28-35	3,20	5070	37-55	2,7	128	184	101	60/70
SM 4-27	33-44	4,00	6000	43-68	3,2	152	216	117	60/70
SMH 3-17	25-31	1,80	4600	43-68	1,6	72	88	80	100/120
SMH 4-17	29-35	2,50	5400	43-68	2,1	96	136	80	100/120
SMH 3-23	29-35	2,50	5530	43-68	2,1	96	138	101	100/120
SMH 3-27	33-44	3,00	6300	58-88	2,5	114	162	117	120/140
SMH 4-23	33-44	3,20	6500	58-88	2,7	128	184	101	120/140
SMH 4-27	40-51	4,00	7420	74-110	3,23	152	216	117	120/140

NOTE! VOLUME INCREASES 30% WITH EXTRA SIDES

ALLU[®] SML -series



The SML – series has a light construction in order to be suitable for small loaders.

The SML – series have drums with unchangeable hammers.

The SML – series is designed for tractors, skid steer loaders and excavators under 7 tons. This model can also be fitted on backhoe loaders.



ALLU[®] SML mounted on a small wheel loader.

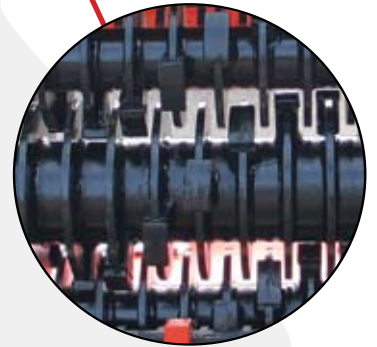
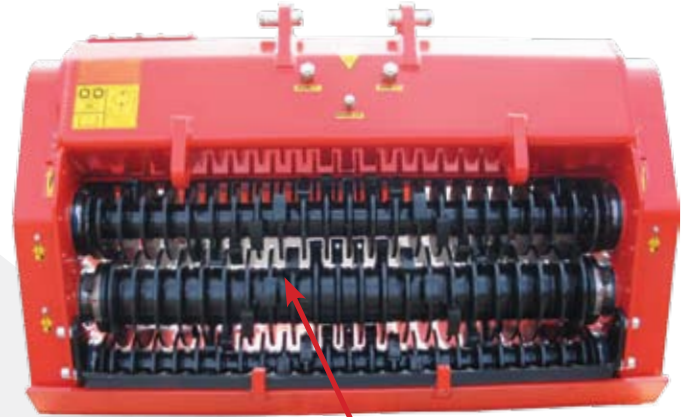


ALLU[®] SML mounted on a backhoe loader.



ALLU[®] SML mounted on a skid steer loader.

New 20 mm opening (3/4" / 1")* ALLU[®] SM + SMH drums



ALLU[®] SM 3/4" / 1" screening*

- Excellent pipeline padding tool
- Fine fragment size (3/4" / 1")*
- Homogenous mixing and screening
- High capacity

Applications:

- Screening of topsoil / blacktop
- Screening of excavated soils
- Screening of compost
- Aerating of compost

Available for ALLU[®] SM/SMH 3-12, SM/SMH 3-17 and ALLU[®] SM/SMH 3-23 models

* Result may vary per material.

ALLU® DOES IT ALL...



ALLU® Screener Crusher
Screening, crushing, mixing,
aerating, and loading in one
step operation



ALLU® Stabilisation System
Mixing soil and binding agent
in mass stabilisation



ALLU® Compacting Plate
High power compacting plate
for demanding job sites



ALLU® Windrow Turner
Mixing different materials from
compost to contaminated soil



ALLU® is patented worldwide.
ALLU® products are manufactured by ALLU Finland Oy.
Manufacturer reserves the right to change specifications without notification.

