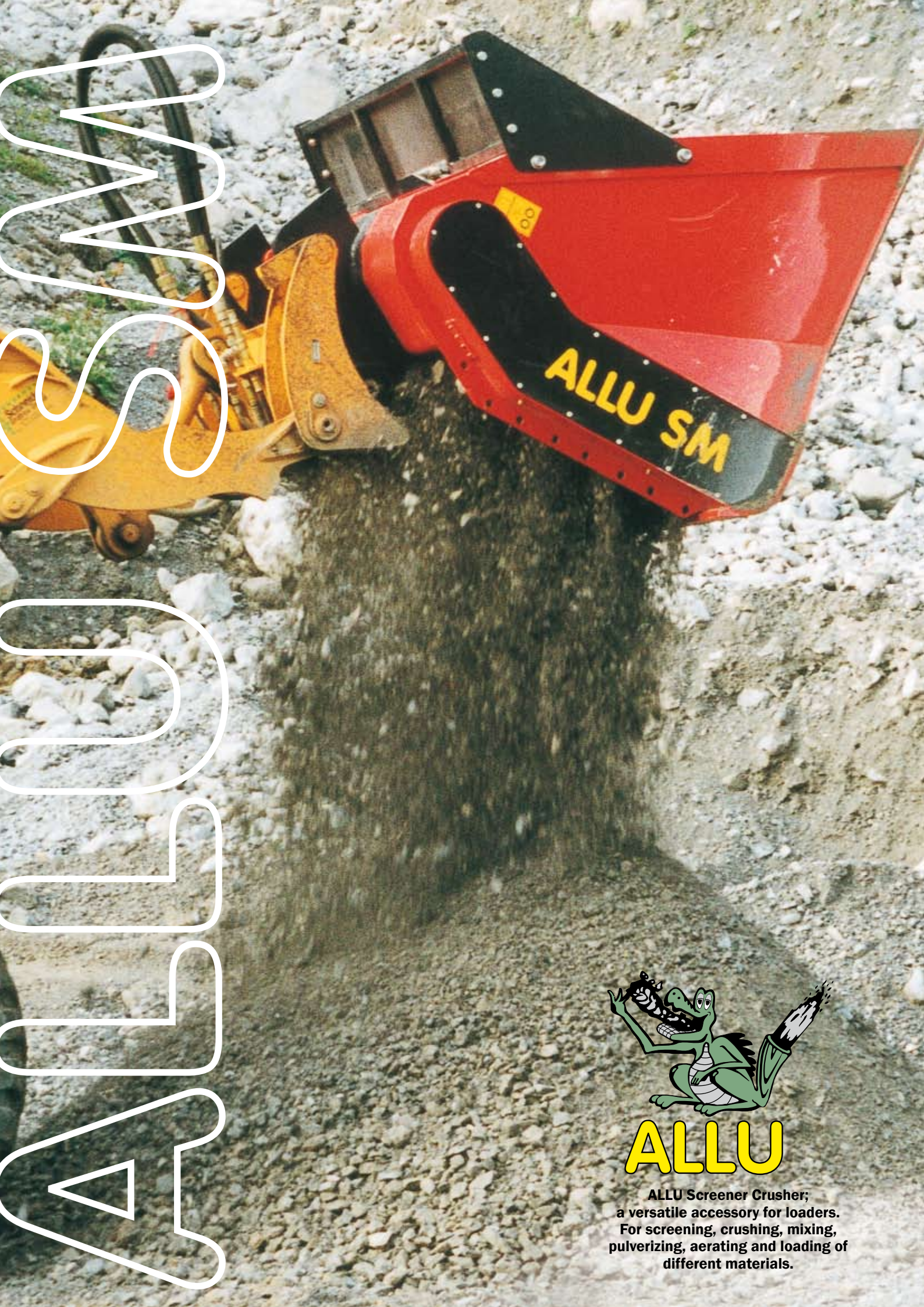


SM S C R E E N E R C R U S H E R



ALLU

ALLU Screener Crusher;
a versatile accessory for loaders.
For screening, crushing, mixing,
pulverizing, aerating and loading of
different materials.

ALLU Screener Crusher. A unique solution for fast and effective utilization of different materials

The ALLU screener crusher concept came from the idea to develop an accessory for loaders that would screen, crush, mix and pulverize as many materials as possible.

The reliability, versatility, easy maintenance and service and economic efficiency are the features that make the ALLU screener crusher bucket unique.

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



A handwritten signature in black ink, which appears to be 'Markku Jonninen'. The signature is stylized and fluid, written in a cursive-like style.

**Markku Jonninen
CEO**



Hundreds of ALLU applications worldwide



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



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



5. Construction waste and contaminated soil can be screened and crushed.



3. Biowaste and the bulking agent can be crushed and mixed in one step.



6. Screening and backfilling of pipeline trenches in one step operation.



8. Screening of topsoil



4. Screening and loading directly onto the truck in one step.



7. With the ALLU you can separate the fine/coarse fraction from all sorts of materials.



9. Pulverization of materials in the mining concentrate.

Depending on the application and base machine, the wide range of ALLU models easily transforms the loader-bucket-combination into an effective screening/crushing unit, which can replace expensive special machinery. Here you will find a few examples of applications.



11. Easy way to make different soil mixtures.



12. Crushing of glass.



13. Crushing of light-weight concrete.



soil.



10. Stabilization of clay and contaminated soil.



of frozen/cloddy soils or material-
ing/fertilizer industry e.g. ore



14. Crushing of bark.

ALLU is patented worldwide.

The ALLU Screener Crusher can be adapted to the material at hand.

1. Perforated Extra Screens

Extra screens are one of the ALLU Screener Crusher accessories, which are available in different hole 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. when crushing bark.



Crushing bars

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

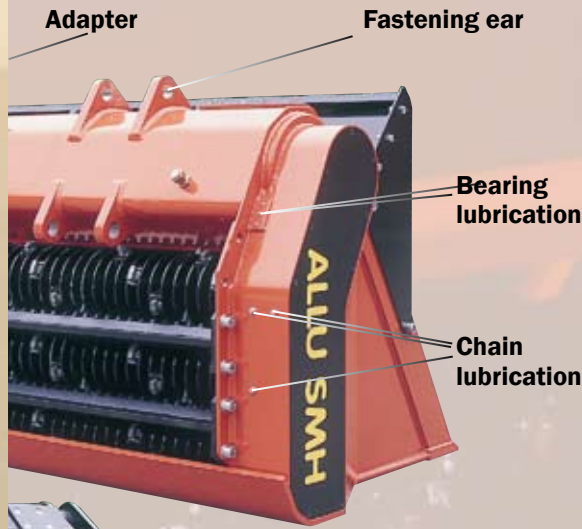
The extra sides are mounted when additional bucket volume is required. When mounted on a wheel loader, the extra sides also function as an effective splash guard. The bucket volume increases 30 % with the extra sides.

Drums



Interchangeable counter blade

60 or 40 mm interchangeable blade



Adapter

Fastening ear

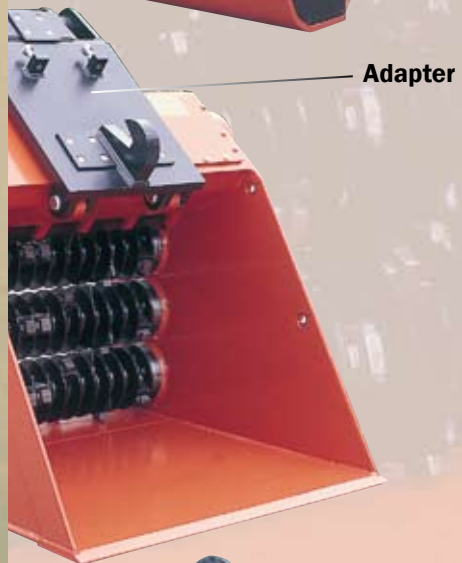
Bearing lubrication

Chain lubrication

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 especially designed drums for stabilization of contaminated soil and processing of wet compost are available upon request.

Blades

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



Adapter



60 mm and 40 mm normal blade. The most common type of blade used because it is applicable for almost any type of application. This blade type has more crushing power than the oval blade.



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



60 mm and 40 mm axe blade. This blade is used when processing materials that require additional shredding effect e.g. biowaste and bark.



Extra Sides

Listening to customer needs and emphasis on product development, are the reasons why we have been the market leaders of this type of products for 10 years. This way of working will ensure the quality and continuous development of our products also in the future.

Light SML



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



Standard SM



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



Heavy Duty SMH



- very robust construction
- big base machines
- very heavy applications
- processing of contaminated soil
- crushing of lightweight concrete
- crushing of glass and bricks
- processing of black top
- also the SML & SM applications.



Model SM	Base Machine Recom. t	Volume ISO/SAE m³	Weight 60 mm Drums kg	Hydr. Recom. l/min	Screening Area m²	Blades pcs		Drums Width cm	Power Continuous/ Peak Kw
						60 mm Drums	40 mm Drums		

TRACTORS AND SKID STEERS (also for 5-10 t backhoe loaders)

SML 2-12	2-5	0,4	420	40-60	0,6	36		1390	20/37
SML 2-17	4-7	0,6	525	40-60	0,8	52		1890	20/37

13 - 35 t EXCAVATORS

SM 2-12	13-16	0,7/0,8	1120	80-130	0,7	32	44	1520	50/60
SM 2-17	16-21	0,9/1,1	1380	80-130	1,0	48	68	2060	50/60
SM 3-12	16-21	1,0/1,2	1340	110-165	1,0	48	66	1520	60/70
SM 3-17	21-25	1,4/1,6	1640	110-165	1,4	72	102	2060	60/70
SM 4-12	21-25	1,3/1,5	1580	110-165	1,3	64	88	1520	60/70
SM 4-17	25-30	1,9/2,2	1940	140-210	1,8	96	136	2060	60/70
SMH 3-12	21-25	1,0/1,2	1690	165-260	1,0	48	66	1620	100/120
SMH 3-17	25-30	1,4/1,6	2080	165-260	1,4	72	102	2160	100/120
SMH 4-12	25-30	1,3/1,5	1990	165-260	1,3	64	88	1620	100/120
SMH 4-17	28-34	1,9/2,2	2450	165-260	1,9	96	136	2160	100/120

6 - 23 t WHEEL LOADERS

SM 2-12	6-9	0,7/0,8	1120	80-130	0,7	32	44	1520	50/60
SM 2-17	7-10	0,9/1,1	1380	80-130	1,0	48	68	2060	50/60
SM 2-23	9-12	1,2/1,4	1630	80-130	1,3	64	92	2590	50/60
SM 3-12	7-10	1,0/1,2	1340	110-165	1,0	48	66	1520	60/70
SM 3-17	9-12	1,4/1,6	1640	110-165	1,4	72	102	2060	60/70
SM 4-12	9-12	1,3/1,5	1580	110-165	1,3	64	88	1520	60/70
SM 4-17	11-14	1,9/2,2	1940	140-210	1,8	96	136	2060	60/70
SM 3-23	11-14	1,8/2,1	1950	140-210	1,8	96	138	2590	60/70
SM 3-27	13-16	2,1/2,5	2290	140-210	2,1	114	162	3000	60/70
SM 4-23	13-16	2,5/3,0	2300	140-210	2,3	128	184	2590	60/70
SM 4-27	15-20	2,9/3,5	2720	140-210	2,7	152	216	3000	60/70
SMH 3-17	11-14	1,4/1,6	2080	165-260	1,4	72	102	2160	100/120
SMH 4-17	13-16	1,9/2,2	2450	165-260	1,8	96	136	2160	100/120
SMH 3-23	13-16	1,8/2,1	2500	165-260	1,8	96	138	2690	100/120
SMH 3-27	15-20	2,1/2,5	2860	220-330	2,1	114	162	3090	120/140
SMH 4-23	15-20	2,5/3,0	2920	220-330	2,3	128	184	2690	120/140
SMH 4-27	18-23	2,9/3,5	3360	280-420	2,7	152	216	3090	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 blades.

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.

ALLU functions well in demanding conditions.



Managing Director Valto Tikkanen
Hyvinkään Tieluiska Oy

Our company has operated in the demanding Finnish conditions for dozens of years. During this time, the biggest influence and change in our existing working methods has come from the ALLU Screener Crusher.

The ALLU bucket made it possible for us to handle difficult materials in a way that previously was not possible. We process contaminated soils, stabilize soft bulk and we mix, blend and crush different materials for composting purposes with the ALLU bucket. We also use the ALLU bucket on all our landscaping job sites. On most job sites the ALLU bucket replaces expensive special machines that are difficult to transport.

We get a lot of dug up soil and peeled off soil on our numerous job sites. These materials we process with the ALLU bucket for re-use on the job site or for transportation to another job site or depot. Previously most of this material was handled as waste material which resulted in high waste material costs. Strong construction, high capacity and low operating costs have made the ALLU into an investment that has paid itself back in a short period of time. The ALLU bucket is an essential part of our machine park on the ever more demanding markets.

Valto Tikkanen
Hyvinkään Tieluiska OY

ALLU



Ideachip



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ALLU is patented worldwide.