



**TRANSFORMER.™**



**TRANSFORMER.™**



# **ALLU TRANSFORMER PRODUCT CATALOGUE.**

[allu.net](http://allu.net)

# TRANSFORMING MORE THAN JUST PROFITS.



**TRANSFORMER.™**

## CONTENTS.

About our company

Why use transformer

Attachment & applications

DL-Series

D-Series

TS-Structure

M-Series

Spare parts & accessories

After sales & support



# ABOUT OUR COMPANY.

ALLU attachments are design to operate in demanding environments on demanding materials , so you can transform the way you work. For over 30 years our attachments have been known for their quality and reliability.

## IT TRANSFORMS...



YOUR  
PROFITS



YOUR  
EFFICIENCY



YOUR  
CAP-EX



YOUR  
HEALTH & SAFETY



YOUR  
WORKFORCE



YOUR  
MACHINES



YOUR  
WASTE



YOUR  
PROCESS



YOUR GREEN  
CREDENTIALS

**32**  
YEARS  
EXPERIENCE

**30**  
DISTRIBUTED  
IN OVER 30  
COUNTRIES

**150**  
ALLU  
PROFESSIONALS  
TO HELP YOU

## ALLU around the world.



### HEADQUARTER

**ALLU Finland Oy**

Jokimäentie 1

16320 Pennala,  
FINLAND

Tel: +358 3 882 140

Fax: +358 3 882 1 440

Email: [info@allu.net](mailto:info@allu.net)

### NORTH AMERICA

**ALLU Group Inc**

700 Huyler Street, Teterboro,  
New Jersey 07608,  
USA

Toll Free: 800-939-ALLU (2558)

Tel: +1 (201) 288-2236

Fax: +1 (201) 288-4479

Email: [usa@allu.net](mailto:usa@allu.net)

### ALLU SALES OFFICE MIDDLE EAST

Tel: 968 9885 3091

Email: [me@allu.net](mailto:me@allu.net)

### GERMANY

**ALLU Deutschland GmbH**

Schwartemeierstr. 23-33

D-32257 Bünde

GERMANY

Tel: +49 5223 180 150

Fax: +49 5223 180 1515

Email: [deutschland@allu.net](mailto:deutschland@allu.net)

### SWEDEN

**ALLU Sverige AB**

Stenvretsgatan 1,  
SE-749 40 Enköping,  
SWEDEN

Tel: +46 (0)171-17 15 17

Email: [sverige@allu.net](mailto:sverige@allu.net)

### UNITED KINGDOM

Tel: +44 7900 090762

Email: [uk@allu.net](mailto:uk@allu.net)

### FRANCE

**ALLU France S.A.R.L.**

180 ZA les Bruottes

21200 VIGNOLES,

FRANCE

Tel: +33 3 80 24 04 34

Fax: +33 3 80 24 04 36

Email: [france@allu.net](mailto:france@allu.net)

### ALLU SALES OFFICE CHINA

29G Liang Feng Building,  
8 Dongfang Road,  
200120 Shanghai,  
P.R. CHINA

Tel: +86 21 5888 5836

Fax: +86 21 5888 5801

Email: [china@allu.net](mailto:china@allu.net)



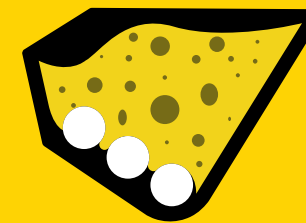
# WHY USE TRANSFORMER?

The ALLU Transformer is a hydraulic attachment for wheel loader, excavator or skid steer. And the good news is, it's here to make your life so much easier.

## HOW IT WORKS.

### PHASE ONE

- Start



### PHASE TWO

- Screening & crushing of material
- Normal drum rotation
- Optimal material flow and circulation
- Approx. 1/2 of full bucket



### PHASE THREE

- Reversed drum rotation
- Approx. 1/4 of full bucket



It all boils down to efficiency. With the Transformer, you no longer need to bring both a wheel loader/excavator and a crusher on site.

Instead, this is a bucket which screens, crushes, pulverizes, aerates, blends, mixes, separates, feeds and loads materials. And best of all, it transforms the materials you work with. So, construction debris or stone aggregate. This is technology which quite literally transforms everything around it. It's more productive, and more profitable.

With versatility at its very core, the Transformer will process just about anything you send its way. From topsoil, excavated soil and contaminated soil, to clay, peat, bark and compost.

And bio-waste, demolition waste and construction waste, to milled asphalt, coal, oil shale, and limestone.

Plus you can do it practically anywhere; this is an attachment which defines the word mobile.

And as the Transformer converts your base machine into a mobile processing plant, you can take great comfort in your reduced investment and operating costs. Your smaller carbon footprint and transportation costs. The overall reduction in fuel and energy, and the fact that there's now no need for electrics on site.

The Transformer is technology which will redefine your industry. More production, more mobility and greater efficiency. And all available now.





"The ALLU Transformer is versatile, time-saving technology. Mix, aerate and crush in one go. It's equipment you'll wish you'd found sooner."



This is a bucket which screens, crushes, pulverises, aerates, blends, mixes, separates, feeds and loads materials. And best of all, it transforms the materials you work with. It's more productive, and more profitable.

## LANDSCAPING AND AGRICULTURE.

The DL series Transformer makes the perfect attachment for landscaping and agricultural applications. From composting to aerating, top soil screening to waste and debris processing, all can be carried out on site and is truly mobile, offering you the versatility and flexibility you need to work more efficiently in the most challenging environments.

## EARTH MOVING.

When it comes to earth moving, use a Transformer attachment and your excavated soil will not need to be transported away and replaced with fresh soil. Not only does this result in substantial savings in material and transport costs, but no time is lost when waiting for replacement material. Plus, simultaneously, binders can be mixed, if the job requires stabilisation.

## MINING.

If you work in soft rock crushing or mining you'll be pleased to know that with Transformer, crushing and loading the raw material can be completed at the same time. The attachments reduce the need for buffer storage areas and material transportation. And with investment costs being lower than large stationary processing stations, transportation from one site to another being easy and fast, and the need for electrics being eliminated, there's plenty more to be pleased about, too.

# ALLU ATTACHMENTS & APPLICATIONS

With the widest range of screening buckets and screener crushers on the market, the Transformer range will fit almost any base machine size. Starting from our most compact ALLU DL Series, to the huge ALLU M Series which will fit up to 160Tn (154.4 US Tn), these are attachments which can screen and crush materials from 15 mm (0.59") to 150 mm (5.9") fragments. Making them ideal for many applications.







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## DL-SERIES.



### MAIN APPLICATION AREAS.

- Landscaping
- Top soil screening
- Agricultural processing
- Composting
- Aerating



ALLU Transformer DL are screening buckets for compact base machines and are suitable for excavators max. 12Tn (11.8 US Tn), loaders 8Tn (7.8 US Tn), tractors and backhoe loaders.

The basis of the DL bucket is the unique top screen where the screening blades spin between the top screen combs. The end material size is defined by the space between the combs. These screening combs carry

most of the material weight to ensure the drums and bearings take on less impact and load. This construction is clog-free and maintains good capacity even with wet materials.

Transformer DL-series attachments are perfect for screening top soil, peat and compost. They're also ideal for landscaping and padding on smaller cable and pipeline job sites.

### SPECIFICATIONS.

MODEL	EXCAVATOR		WHEEL LOADERS		VOLUME		OIL FLOW		WEIGHT	
	Tn	US Tn	Tn	US Tn	m³	cu yd	Lpm	Gpm	Kg	Lbs
DL 2-09	4-12	4.4-13.2	2-8	2.2-8.8	0,4/0,5	0,5-0,6	40-70	10.5-18.4	430	948
DL 2-12	7-12	7.7-13.2	3-8	3.3-8.8	0,5-0,6	0,6-0,7	40-70	10.5-18.4	540	1190
DL 2-17	9-12*	9.9-13.2*	4-8	4.4-8.8	0,8-0,9	1,0-1,1	40-70	10.5-18.4	695	1532

\* Factory confirmation required

### OPTIONS.

BLADES	OTHER
Standard blades Axe blades	Extra side Stabilisation drum Drum cassettes (TS15, TS25 and X50)

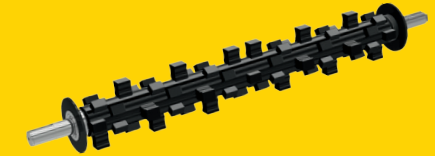
TS Screening Drum



TS Crushing Drum



X50 Drum



Available now in 16 mm and 25 mm TS® construction\* and with 50 mm stabilisation drums.

\* (change of fragment size not possible on DL units)





# D-SERIES.



Allu Transformer D are reliable screening buckets for a variety of screening and crushing projects. Whilst their versatility sets them apart, they share the DL-series' use of our innovative fine-screening TS® drum construction with standard blades.

With this assembly construction, the top screening blades spin between screening combs and the end product size is defined by the space between the combs. This construction is unique in that the fragment sizes can be changed by repositioning the screening combs. You can get two end product fragment sizes with one unit with no additional costs.

## SPECIFICATIONS.

MODEL	EXCAVATOR		WHEEL LOADERS		VOLUME		OIL FLOW		WEIGHT	
	Tn	US Tn	Tn	US Tn	m³	cu yd	Lpm	Gpm	Kg	Lbs
DN 2-09	10-28	11.02-30.8	4-14	4.4-15.4	0,5-0,6	0,6-0,7	70-120	18.4-31.7	940	2072
DN 2-12	12-28	13.2-30.8	6-14	6.6-15.4	0,6/0,7	0,7-0,9	70-120	18.4-31.7	1070	2359
DN 2-17	15-28	16.5-30.8	7-14	7.7-15.4	0,9/1,0	1,1-1,3	70-120	18.4-31.7	1330	2932
DN 3-09	12-28	13.2-30.8	6-14	6.6-15.4	0,7/0,8	0,7-1,0	70-120	18.4-31.7	1150	2535
DN 3-12	16-28	17.6-30.8	7-14	7.7-15.4	1,0/1,2	1,3-1,5	95-160	25-42.2	1330	2932
DN 3-17	20-28	22-30.8	7-14	7.7-15.4	1,3/1,5	1,7-1,9	95-160	25-42.2	1660	3660
DS 3-12	16-35	17.6-38.5	8-22	8.8-24.2	1,0/1,2	1,3-1,5	95-160	25-42.2	1620	3571
DS 3-17	20-35	22-38.5	9-22	9.9-24.2	1,3/1,5	1,7-1,9	95-160	25-42.2	1990	4387
DS 3-23	24-35	26.4-38.5	12-22	13.2-24.2	1,7/2,0	2,2-2,6	120-200	31.7-52.8	2360	5203
DS 4-12	20-35	22-38.5	10-22	11-24.2	1,2/1,4	1,5-1,8	95-160	25-42.2	1940	4277
DS 4-17	24-35	26.4-38.5	12-22	13.2-24.2	1,8/2,1	2,3-2,7	120-200	31.7-52.8	2400	5291
DS 4-23	30-35*	33-38.5*	14-22	15.4-24.2	2,3/2,7	3,0-3,5	120-200	31.7-52.8	2930	6460
DH 3-12	18-45	19.8-49.6	8-30	8.8-33	1,0/1,2	1,3-1,5	140-235	36.9-62	1890	4167
DH 3-17	22-45	24.2-49.6	10-30	11-33	1,3/1,5	1,7-1,9	140-235	36.9-62	2330	5137
DH 3-23	26-45	28.6-49.6	14-30	15.4-33	1,7/2,0	2,2-2,6	140-235	36.9-62	2870	6327
DH 4-12	22-45	24.2-49.6	10-30	11-33	1,2/1,4	1,5-1,8	140-235	36.9-62	2240	4938
DH 4-17	27-45	29.7-49.6	14-30	15.4-33	1,8/2,1	2,3-2,7	140-235	36.9-62	2770	6107
DH 4-23	32-45	35.2-49.6	16-30	17.6-33	2,3/2,7	3,0-3,5	190-315	50.1-83.2	3370	7430
DH 4-27	36-45*	39.6-49.6*	18-30	19.8-33	2,9/3,4	3,7-4,4	240-400	63.4-105.6	4140	9127

\* Factory confirmation required

## OPTIONS.

DRUMS	BLADES	OTHER
25/40/60mm drum Stabilisation drum TS Screening drum TS Crushing drum	Universal blades Long blades X blades TS Standard blades TS Axe blades	Extra side Directional valve Drain oil eliminator Drain line relief valve ALLU DARE Data Reporting System

## MAIN APPLICATION AREAS.

- Waste material handling
- Composting
- Pipeline backfilling/padding
- Stabilising clay
- Crushing asphalt, minerals
- Cable backfill
- Environmental remediation



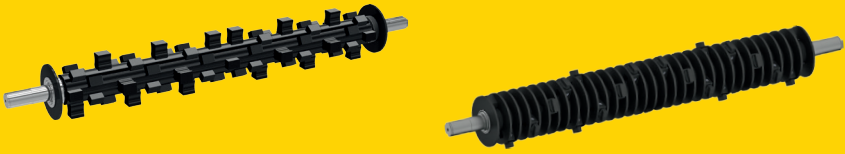
TS Screening Drum



TS Crushing Drum



Stabilisation Drum X75/X100 25/40/60 mm Drums



From April 2016, all new ALLU units onwards can be equipped with ALLU TS® construction. Blade sizes are available in 16/32mm, 25/50mm and 35mm.





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# TS-STRUCTURE.



## MAIN APPLICATION AREAS.

- Waste material handling
- Composting
- Pipeline backfilling/padding
- Field bark crushing
- Industrial applications



**ALLU TS structure enables two different fragment sizes from the same unit. Fragment size estimation is based on the distance set by the screening comb.**

The Allu TS structure allows you to adapt your bucket for your screening needs quickly and effortlessly giving you the ability to have more versatile processing. The TS structure has been developed with a self cleaning system allowing for the best possible capacity even with wet material. We call this innovative design a non-clogging system and is available across our entire TS range.

## SPECIFICATIONS.

MODEL	EXCAVATOR		WHEEL LOADERS		VOLUME		OIL FLOW		WEIGHT	
	Tn	US Tn	Tn	US Tn	m³	cu yd	Lpm	Gpm	Kg	Lbs
DN 2-12 TS	12-28	13.2-30.8	6-14	6.6-15.4	0,6/0,7	0,7/0,9	95-160	25-42.2	1100	2425
DN 2-17 TS	15-28	16.5-30.8	7-14	7.7-15.4	0,9/1,0	1,1/1,3	95-160	25-42.2	1380	3042
DN 3-12 TS	16-28	17.6-30.8	7-14	7.7-15.4	1,0/1,2	1,3/1,5	125-160	33-42.2	1410	3109
DN 3-17 TS	20-28	22-30.8	9-14	9.9-15.4	1,3/1,5	1,7/1,9	160-200	42.2-52.8	1790	3946
DS 3-12 TS	16-35	17.6-38.5	8-22	8.8-24.2	1,0/1,2	1,3/1,5	120-200	31.7-52.8	1670	3682
DS 3-17 TS	20-35	22-38.5	9-22	9.9-24.2	1,3/1,5	1,7/1,9	120-200	31.7-52.8	1990	4387
DS 4-12 TS	20-35	22-38.5	9-22	9.9-24.2	1,3/1,5	1,7/1,9	95-160	25-42.2	1990	4387
DSH 3-23 TS	24-35	26.4-38.5	12-22	13.2-24.2	1,7/2,0	2,2/2,6	140-235	36.9-62	2360	5203
DSH 4-17 TS	24-35	26.4-38.5	12-22	13.2-24.2	1,7/2,0	2,2/2,6	140-235	36.9-62	2540	5600
DSH 4-23TS	30-*	33-*	14-22	15.4-24.2	2,3/2,7	3,0/3,5	190-315	50.1-83.2	3160	6967
DH 3-12 TS	18-45	19.8-49.6	8-30	8.8-33	1,0/1,2	1,3/1,5	190-315	50.1-83.2	1970	4343
DH 3-17 TS	22-45	24.2-49.6	10-30	11-33	1,3/1,5	1,7/1,9	190-315	50.1-83.2	2460	5423
DH 3-23 TS	26-45	28.6-49.6	14-30	15.4-33	1,7-2,0	2,2/2,6	190-315	50.1-83.2	2870	6327
DH 4-12 TS	22-45	24.2-49.6	10-30	11-33	1,2/1,4	1,5/1,8	190-315	50.1-83.2	2240	4938
DH 4-17 TS	27-45	29.7-49.6	14-30	15.4-33	1,8/2,1	2,3/2,7	190-315	50.1-83.2	2940	6482
DH 4-23 TS	32-45	35.2-49.6	16-30	17.6-33	2,3/2,7	3,0/95,3	190-315	50.1-83.2	3370	7430

NOTE! DH and DSH models are equipped with double motors

## OPTIONS.

DRUMS	BLADES	OTHER
TS 16/32 drum TS 25/50 drum TS 35 drum	TS Standard blades TS Axe blades	Extra side Directional valve Drain oil eliminator Drain line relief valve ALLU DARE Data Reporting System

### TS Screening drum



### TS Crushing drum



Blade sizes available: 16/32 mm, 25/50 mm and 35 mm.  
\* (change of fragment size not possible on DL units)





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## M-SERIES.



### MAIN APPLICATION AREAS.

- Mining operations
- Secondary operations at harbours, power plants and storage areas
- Industrial operations

The ALLU Transformer M-series is a range of multi-faceted tools for mining and other industries and applications. Powered by the carrier, these hydraulic attachments help with quick and efficient production techniques, solve chute blockages and other material flow problems, and transport frozen or saturated material heaps.

Transformer M-series material processing buckets mounted on excavators are ideal for mining work due to their impressive speed and reach. This enables them to process almost twice the capacity of a slow-moving wheel loader.

M-series mounted on wheel loaders are recommended for secondary material processing and service work because of the increased mobility of the equipment. This could include at harbours, power plants and other bulk material storage areas.

The units for wheel loaders are equipped with a special hydraulically-operated rear lid/adaptor which allows normal low point boom mounting, break out force and carrying positions.

### SPECIFICATIONS.

MODEL	EXCAVATOR		WHEEL LOADERS		VOLUME		WEIGHT	
	Tn	US Tn	Tn	US Tn	m³	cu ft	Kg	Lbs
M 3-20	50-70	55.1-77.1	-	-	3,8	134.1	7000	15432.3
M 3-25	70-120	77.1-132	-	-	4,7	165.9	9000	19841.6
M 4-25	120-160	132-176	-	-	6,2	218.9	12000	26455.4
M 3-27	-	-	30-50	33-55.1	4,5	158.9	7500	16534.6
M 3-32	-	-	50-70	55.1-77.1	6,5	229.5	10500	23148.5
M 4-32	-	-	60-90	66.1-99.2	8,5	300,1	29762.4	3571

### OPTIONS.

DRUMS	BLADES
XHD 50 mm Drum X75 Drum Custom drum options available	TS Standard blade TS Axe blade



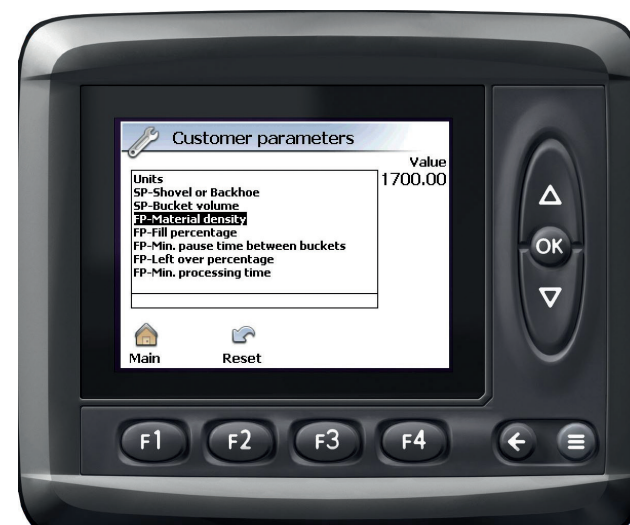
The ALLU M-series includes 3 models for excavators between 50-160 Tn (49.2-147.6 US Tn). There are also 3 models of the ALLU M-series for the 30-90 Tn (29.5-88.5 US Tn) wheel loaders.



# SPARE PARTS & ACCESSORIES.

Once you've got your ALLU Transformer attachment, you'll want to ensure its best possible working efficiency. That's where our spare parts and accessories come in. From drums to blades, by choosing our original, high-quality, spares, you can guarantee a long and successful life of service from your Transformer.

## ALLU DARE DATA REPORTING SYSTEM.



Each ALLU Transformer M Series attachment comes with a Dare (Data Reporting) system that is placed inside the base machine cabin. The system records performance and process data for analysing and optimising working efficiency. It also reports on hydraulics, time elapsed, parts temperature and bucket angle and performance. As a further feature the Dare system assists the operator with a real-time link to the service station, minimising maintenance downtime.

### Production data from the display unit:

- Bucket count
- Processing time & total working time
- Processed tons



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## ALLU DRUMS.



**Screening and crushing  
(25, 40 and 60 mm)**

- changeable blades



**Stabilising, mixing,  
aerating and crushing  
(X75 and X100)**

- changeable blades



**TS Screening drum**

- changeable blades
- change of fragment size without dismantling drums



**TS Crushing drum**

- changeable blades
- change of fragment size without dismantling drums

\*All TS drums available in 16/32mm, 25/50mm, 35/70mm

## ALLU BLADES.



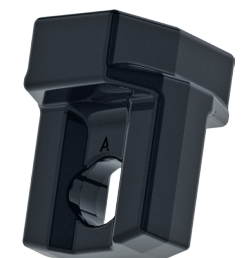
**TS Standard blade**  
For all screening applications.



**TS Axe blade**  
For crushing applications.



**Universal blade 40mm**  
For most applications and materials. Good durability. 40 / 60 mm.



**Universal blade 60mm**  
For most applications and materials. Good durability. 40 / 60 mm.



**Long blade 40mm**  
Special blade for screening and aerating compost and other soft materials to increase capacity. 40 / 60 mm.



**Long blade 60mm**  
Special blade for screening and aerating compost and other soft materials to increase capacity. 40 / 60 mm.



**X blade**  
For stabilising, mixing, aerating and crushing. Suitable for X75 and X100 drums.



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# AFTER SALES & SUPPORT.

Your versatile ALLU Transformer doesn't just come with inbuilt efficiency. It also comes with unrivalled aftersales support. No matter what the issue, our team is on hand to offer all the help you need in getting the most out of your equipment. We're just a phone call or email away.

## TECHNICAL SUPPORT.



Having built the unique Transformer technology, there's no one better than our technical experts to offer their support. From getting started for the first time, to pushing your Transformer to its limits, we can freely advise. It's very unlikely that anything will go wrong with your equipment, but it's good to know we're here all the same.

## TRAINING.



By providing training and sharing our information we can help to improve the skills of your workforce and advance the industry as a whole. Overseen by our highly-experienced team, we help you to achieve maximum levels of efficiency through technical improvement, new technology and enhanced operating practices.

## SERVICE & MAINTENANCE.



To complement our unique Transformer equipment, we offer a wide selection of service and maintenance procedures. Whether it's inspection or troubleshooting, the ALLU team is always happy to lend their support. And with planned preventative maintenance, customers can get all the advice needed to keep their machines fully optimised and working at maximum capacity.

## REFURBISHMENT.



Why replace your equipment when you refurbish or repair it. No equipment is faultless, but sometimes it's only a small part that needs attention. A little fine-tuning here. The odd upgrade there. And that's where we'll help. At ALLU, we're all for saving our customers money. Your business is our business – and we're determined to see you right.





**TRANSFORMING MORE  
THAN JUST PROFITS.**



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