



ALLU TRANSFORMER D-SERIES.



TRANSFORMER.™

ALLU.NET

IT TRANSFORMS...



YOUR EFFICIENCY

One stop shop process. Screen, crush, aerate, mix and load all in a "one-step operation".



YOUR PROFITS

Less material to a landfill means less expenditure. Re-use the material on site, so there is no need to purchase virgin material. Recycle and utilize the left-over materials and generate an income from it.



YOUR GREEN CREDENTIALS

Less material to be transported to the jobsite means a reduction in fuel consumption. Less materials to a landfill and efficient utilization of waste materials supports sustainability.



YOUR MACHINES

Your excavator, wheel-loader or skid-steer will transform into a multifunctional tool that will screen, crush, aerate, mix, load and pulverize all in a one-step operation - the ALLU Transformer screener crusher.

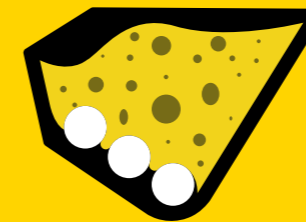
ALLU TRANSFORMER FEATURES & BENEFITS.

The ALLU Transformer D-series screener buckets are designed for larger processing jobs. Everything from aerating compost, primary on-site screening and processing construction material. 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.

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



STRONG & RELIABLE

- Strongest frame structure on the market
- Strongest power transmission on the market
- Motors placed inside the frame to avoid any damages from the outside
- Fenders protect bearings against dirt
- Lubrication inside the chain boxes ensure long transmission lifetime

EFFICIENT

- Produces homogenous end product
- High production even with wet materials
- Quick and easy to maintenance
- Screens material without back and forth rotation
- Self cleaning design (TS)

VERSATILE

- Fits both excavator or wheel loader
- Can be mounted to an excavator both as backhoe and as front shovel
- Handles many different materials - also wet ones
- Changeable wear parts & adapter plates
- Patented construction and details
- Screen, crush, mix, aerate and load in 'one step operation'
- Worldwide sales and service network

APPLICATIONS.

EARTHMOVING



LANDSCAPING



ENERGY PADDING



TOPSOIL SCREENING



SOIL MIXING

COMPOSTING



SCREENING



SHREDDING



AERATING



MIXING

WASTE RECYCLING



MATERIAL MIXING



WASTE SHREDDING



OVERSIZE SCREENING



FROZEN/LUMPY
WASTE CRUSHING

QUARRYING



PRESCREENING



OVERBURDEN SCREENING



QUARRY WASTE MIXING



WASTE DEPOSIT
SCREENING

ENERGY INFRASTRUCTURE



GAS



UTILITIES



OIL



SOLAR & WIND

DEMOLITION



SCREENING DEBRIS



PRECRUSHING



CRUSHING BRITTLE MATERIALS



CRUSHING HARD MATERIALS

FROM MONEY-DRAINING TO MONEY-MAKING



EXAMPLES OF CUSTOMER CASE STUDIES.



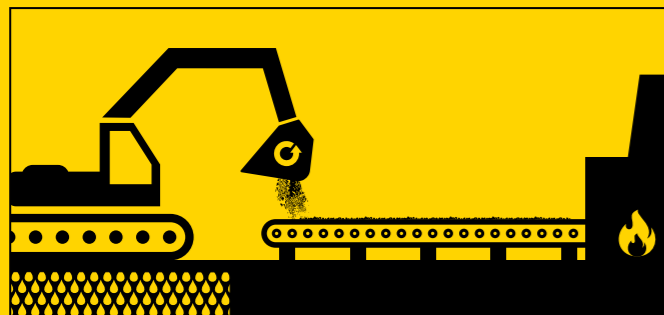
PIPELINE PADDING

PROBLEM: ROCKY SOIL
JOBSITE: PIPELINE JOBSITE
SIZE: 250KM (157 MILES)
COUNTRY: USA

SOLUTION MATERIAL IS SCREENED ONSITE AND BACKFILLED WITH ALLU TRANSFORMER DIRECTLY INTO THE TRENCH.

RESULT

- NO NEED TO PURCHASE FINE SOIL
- NO TRANSPORTATION COSTS
- NO LANDFILL PAYMENTS
- LESS ENVIRONMENTAL CONSUMPTION



WASTE RECYCLING

PROBLEM: WASTE MATERIAL
JOBSITE: WASTE CENTRE
SIZE: 18 000 T/Y WASTE MATERIAL
COUNTRY: THAILAND

SOLUTION PRE-CRUSHING THE WASTE WITH ALLU TRANSFORMER.

RESULT

- 50% MORE BIOMASS TO SELL TO THE POWER PLANT
- LESS WASTE MATERIAL TO THE LANDFILL
- LESS ENVIRONMENTAL CONSUMPTION



CONTAMINATED SOIL

PROBLEM: CONTAMINATED SOIL
JOBSITE: WASTE CENTRE
SIZE: 2,5 HECTARES
COUNTRY: FINLAND

SOLUTION PRE-TREATING THE CONTAMINATED SOIL WITH ALLU TRANSFORMER. SOIL IS STABILISED INTO A NON-TOXIC FORM.

RESULT

- SOIL IS UTILIZED IN EMBANKMENTS AT THE WASTE SITE
- NO NEED FOR WASTE TAX OR LANDFILL PAYMENTS

ALLU APP.

Transform your efficiency and safety with ALLU App. The ALLU App provides an intelligent digital solution for customers and operators to obtain accurate and timely information regarding safe operations at job sites, thereby maximizing the use of the ALLU equipment.



YOUR PRODUCTIVITY

- Notify about the need for maintenance or replacement of wear parts - minimize the downtime
- Real-time guidance for working angle ensures efficiency



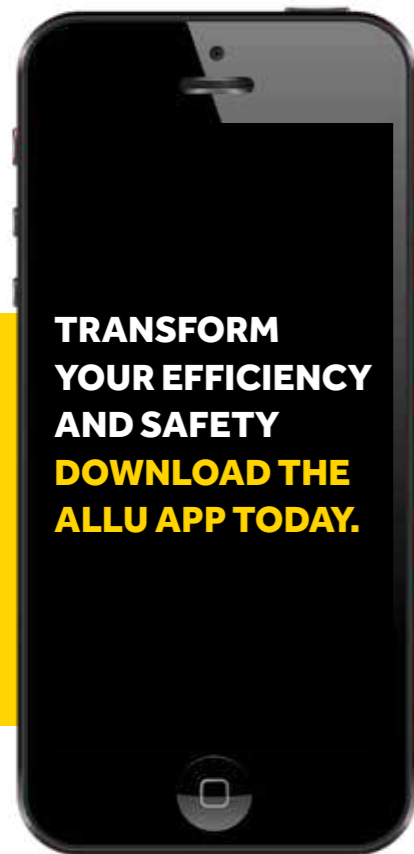
YOUR SAFETY

- Obtain accurate and timely information regarding safe operations at job sites



EFFICIENT CUSTOMER SERVICE

- Receive quick answers to frequently asked questions (FAQs)
- Check the right spare parts and accessories for your product
- Check the warranty information of your product
- Locate your closest ALLU distributor



**TRANSFORM YOUR EFFICIENCY AND SAFETY
DOWNLOAD THE ALLU APP TODAY.**



Search for ALLU on the App Store or Play Store, or scan the QR code to get started.



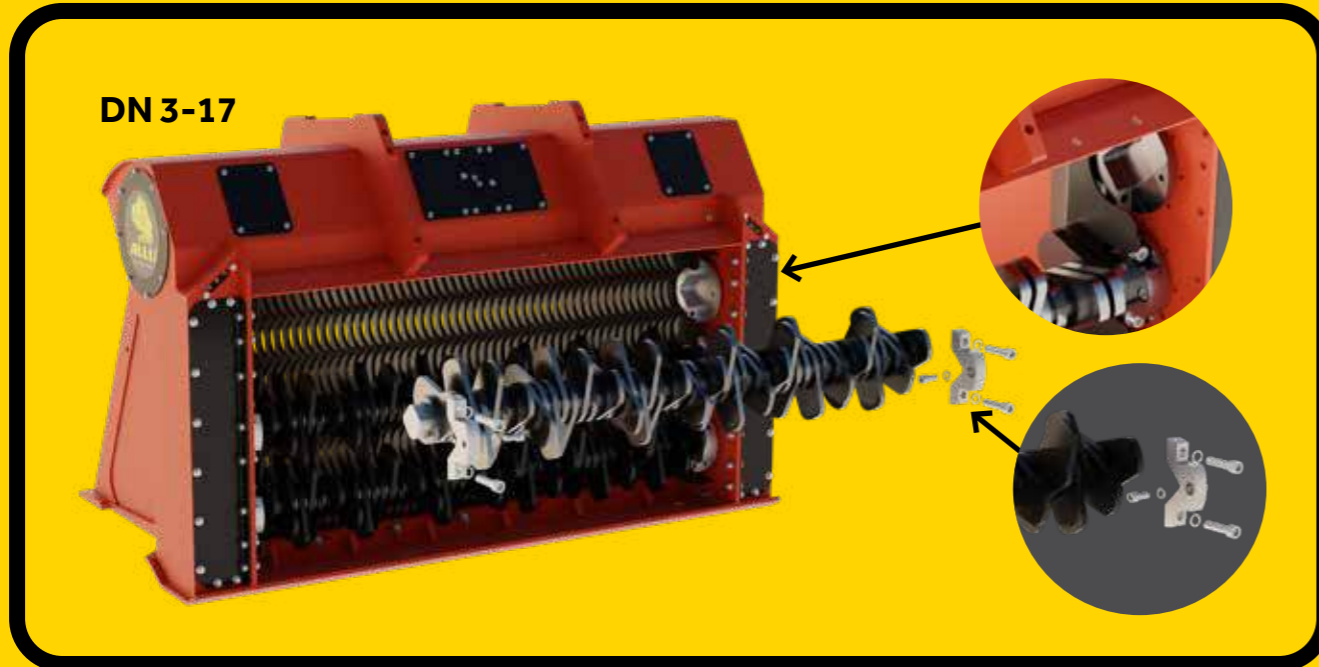
ALLU D SERIES SPECIFICATIONS.

MODEL	EXCAVATOR		WHEEL LOADERS		VOLUME		OIL FLOW		WEIGHT	
	Tn	US Tn	Tn	US Tn	m ³	cu yd	Lpm	Gpm	Kg	Lbs
DN 2-09	10-28	11.02-30.8	4-14	4.4-15.4	0.4-0.49	0.52-0.64	70-120	18.4-31.7	940	2072
DN 2-12	12-28	13.2-30.8	6-14	6.6-15.4	0.52-0.66	0.68-0.86	70-120	18.4-31.7	1130	2491
DN 2-17	15-28	16.5-30.8	7-14	7.7-15.4	0.76-0.99	0.99-1.29	70-120	18.4-31.7	1400	3086
DN 3-09	12-28	13.2-30.8	6-14	6.6-15.4	0.60-0.75	0.78-0.98	70-120	18.4-31.7	1220	2689
DN 3-12	16-28	17.6-30.8	7-14	7.7-15.4	0.79-1.01	1.03-0.9	95-160	25-42.2	1410	3108
DN 3-17	20-28	22-30.8	7-14	7.7-15.4	1.15-1.53	1.5-2.0	95-160	25-42.2	1760	3880
DS 3-12	16-35	17.6-38.5	8-22	8.8-24.2	0.83-1.04	1.09-1.36	95-160	25-42.2	1610	3549
DS 3-17	20-35	22-38.5	10-22	9.9-24.2	1.22-1.57	1.6-2.05	95-160	25-42.2	2000	4409
DS 3-23	24-35	26.4-38.5	12-22	13.2-24.2	1.61-2.10	2.11-2.75	120-200	31.7-52.8	2520	5555
DS 4-12	20-35	22-38.5	10-22	11-24.2	1.24-1.56	1.62-2.04	95-160	25-42.2	1930	4254
DS 4-17	24-35	26.4-38.5	12-22	13.2-24.2	1.82-2.38	2.38-3.11	120-200	31.7-52.8	2360	5202
DS 4-23	30-35	33-38.5	14-22	15.4-24.2	2.4-3.21	3.14-4.2	190-315	31.7-52.8	3020	6657
DH 3-12	18-45	19.8-49.6	8-30	8.8-33	0.85-1.07	1.11-1.4	140-235	36.9-62	1950	4298
DH 3-17	22-45	24.2-49.6	10-30	11-33	1.25-1.61	1.63-2.11	140-235	36.9-62	2400	5291
DH 3-23	26-45	28.6-49.6	14-30	15.4-33	1.65-2.16	2.16-2.83	140-235	36.9-62	2960	6525
DH 4-12	22-45	24.2-49.6	10-30	11-33	1.26-1.59	1.65-2.08	140-235	36.9-62	2280	5026
DH 4-17	27-45	29.7-49.6	14-30	15.4-33	1.85-2.43	2.42-3.18	140-235	36.9-62	2780	6128
DH 4-23	32-45	35.2-49.6	16-30	17.6-33	2.43-3.27	3.18-4.28	190-315	50.1-83.2	3490	7694
DH 4-27	36-45	39.6-49.6	18-30	19.8-33	3.02-4.12	3.95-5.39	240-400	63.4-105.6	4080	8994

ALLU TS MODEL SPECIFICATIONS.

MODEL	EXCAVATOR		WHEEL LOADER		VOLUME		OIL FLOW		WEIGHT	
	Tn	US Tn	Tn	US Tn	m ³	cu yd	Lpm	Gpm	Kg	Lbs
DN 2-12 TS	12-28	13.2-30.8	6-14	6.6-15.4	0.52-0.66	0.68-0.86	90-160	23.8-42.3	1160	2557
DN 2-17 TS	15-28	16.5-30.8	7-14	7.7-15.4	0.76-0.99	0.99-1.29	90-160	23.8-42.3	1420	3130
DN 3-12 TS	16-28	17.6-30.8	7-14	7.7-15.4	0.79-1.01	1.03-1.32	120-200	31.7-52.8	1440	3174
DN 3-17 TS	20-28	22-30.8	9-14	9.9-15.4	1.15-1.53	1.5-2.0	120-200	31.7-52.8	1830	4034
DS 3-12 TS	16-35	17.6-38.5	8-22	8.8-24.2	0.83-1.04	1.09-1.36	120-200	31.7-52.8	1630	3593
DS 3-17 TS	20-35	22-38.5	9-22	9.9-24.2	1.22-1.57	1.6-2.05	120-200	31.7-52.8	2010	4431
DS 3-23 TS	24-35	26.4-38.5	12-22	13.2-24.2	1.61-2.1	2.11-2.75	140-235	36.9-62	2620	5776
DS 4-12 TS	20-35	22-38.5	9-22	9.9-24.2	1.24-1.56	1.62-2.04	120-200	31.7-52.8	1940	4276
DS 4-17 TS	24-35	26.4-38.5	12-22	13.2-24.2	1.82-2.38	2.38-3.11	140-235	36.9-62	2520	5555
DS 4-23 TS	30-35*	33-38.5	14-22	15.4-24.2	2.4-3.21	3.14-4.2	190-315	50.1-83.2	3150	6944
DH 3-12 TS	18-45	19.8-49.6	8-30	8.8-33	0.85-1.07	1.11-1.4	190-315	50.1-83.2	1970	4343
DH 3-17 TS	22-45	24.2-49.6	10-30	11-33	1.25-1.61	1.63-2.11	190-315	50.1-83.2	2460	5423
DH 3-23 TS	26-45	28.6-49.6	14-30	15.4-33	1.65-2.16	2.16-2.83	190-315	50.1-83.2	3020	6657
DH 4-12 TS	22-45	24.2-49.6	10-30	11-33	1.26-1.59	1.65-2.08	190-315	50.1-83.2	2300	5070
DH 4-17 TS	27-45	29.7-49.6	14-30	15.4-33	1.85-2.43	2.42-3.18	190-315	50.1-83.2	2890	6371
DH 4-23 TS	32-45	35.2-49.6	16-30	17.6-33	2.43-3.27	3.18-4.28	190-315	50.1-83.2	3500	7716

VARIABLE DRUM



Discover the latest innovation from ALLU—the VD Drum, the new drum structure under our patented ALLU TS (Top Screen) design with a rapid blade change mechanism. Innovation that is designed to streamline your operations and boost your productivity up to 10%. It's available across our DN-, DS-, and DH-Series. The VD Drum is a game-changer in material processing efficiency.

Versatility Made Simple - The VD Drum brings flexibility to your workflow. Individual shaft removal allows for quick blade replacements or adjustments to output sizes, all within a matter of hours. This adaptability is crucial for those requiring varied operations from a single Transformer Screener Crusher bucket, enabling easy and fast modifications to meet job demands.

Elevate Your Productivity - Achieve superior screening performance with the VD Drum, designed for up to 10% increase in efficiency over traditional drum setups. You can get higher output with fewer screening combs and less restriction on material flow. Adjusting output sizes is straightforward, allowing for more efficient operation with less effort.

Effortless Maintenance - The innovative design of the VD Drum simplifies maintenance tasks. Its three-bolt drum attachment system allows easy changes. Changing wear parts or modifying output sizes has never been easier or cleaner, eliminating the need to access the drive compartment and significantly reducing labor time.

VERSATILITY MADE SIMPLE

Quick and easy changes of wear parts and output sizes.

ELEVATE YOUR PRODUCTIVITY

Up to 10% better efficiency with less effort.

EFFORTLESS MAINTENANCE

Simple maintenance with a quick lock system.



AVAILABLE VD DRUM MODELS & SPECIFICATIONS

MODEL	EXCAVATOR (t)	WHEEL LOADER (t)	VOLUME (heaped m ³)	OIL FLOW (L/min)	WEIGHT (kg)
DN 2-12	12-28	6-14	0,66	95-160	1070-1210
DN 2-17	15-28	7-14	0,99	95-160	1330-1510
DN 3-12	16-28	7-14	1,01	120-200	1330-1530
DN 3-17	20-28	7-14	1,53	120-200	1730-1930
DS 3-12	16-35	8-22	1,04	120-200	1570-1720
DS 3-17	20-35	10-22	1,57	120-200	1920-2170
DS 4-17	24-35	12-22	2,38	140-235	2240-2590
DH 3-12	18-45	8-30	1,07	190-315	1890-2080
DH 3-17	22-45	10-30	1,61	190-315	2330-2570
DH 4-17	27-45	14-30	2,43	190-315	2730-3050

ALLU VD DRUM BLADE OPTIONS



TS Standard
Blade for screening e.g. soil, sand, and gravel.

Available blade sizes: 8, 16, 25, 35



TS Axe
Blade for screening and crushing tough or lumpy material.

Available blade sizes: 8, 16, 25, 35

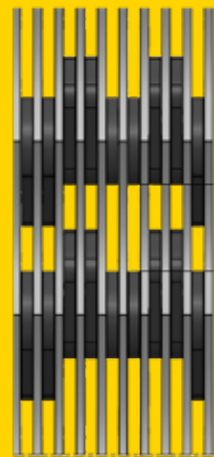
ONE ALLU TWO FRAGMENT SIZES.

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.

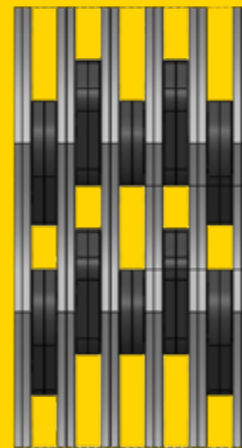
SINGLE BLADE

Single blade setup:
blade sizes 8mm, 16mm,
25mm, 35mm.



DOUBLE BLADE

Double blade setup:
blade sizes 16mm, 32mm,
50mm, 70mm.



ALLU TS DRUMS & BLADES.

Innovative drum construction for screening and crushing applications



TS Screening drum

- changeable blades
- change of fragment size without dismantling drums



TS Crushing drum

- changeable blades
- change of fragment size without dismantling drums

Characteristics:

- 08mm, 16mm, 25mm and 35mm drums
- Two different fragment sizes possible with one drum based on blade setup.
- Clog-proof construction



TS Standard blade

For all screening applications.



TS Axe blade

For crushing applications.

Applications:

- Mixing and screening wet & sticky materials
- Crushing different materials

ALLU XHD DRUMS & BLADES.

Screening and crushing – XHD 25, 40 and 60 mm



Screening and crushing XHD 25/40/60

- changeable blades

Characteristics:

Disc distance 25 mm, 40 mm, or 60 mm

Applications:

- Can be used in most screening, crushing and mixing applications.
- For customers who want to use the same bucket for different jobs.



Universal blade 40 XHD

For most applications and materials. Good durability.



Universal blade 60 XHD

For most applications and materials. Good durability.



Long blade 40 XHD

Special blade for screening and aerating compost and other soft materials to increase capacity.



Long blade 60 XHD

Special blade for screening and aerating compost and other soft materials to increase capacity.

ALLU X DRUMS & BLADES.

Stabilizing, mixing, aerating, and crushing - X75 and X100



Stabilising, mixing, aerating and crushing. Suitable for X75 and X100 drums.

- changeable blades

Characteristics:

- Excellent mixing and pulverization capability combined with crushing effect.
- Clog-proof construction suitable.
- High processing capacity.



X blade

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

Applications:

- Mixing and stabilization of masses
- Crushing
- Pre-screening, pulverizing

ALLU AROUND THE WORLD.

HEADQUARTERS

ALLU Finland Oy

Jokimäentie 1
16320 Pennala,
FINLAND
Tel: +358 3 882 140
Email: info@allu.net

NORTH AMERICA

ALLU Group Inc

7134 Cockrill Bend Blvd.
Nashville, TN 37209,
USA
Toll Free: 800-939-ALLU (2558)
Tel: +1 (732) 698-7205
Email: info@allu.net

CHINA

Factory No.4, No.639

Yide road, Zhangpu Town,
Kunshan City, Jiangsu
Province, P.R. of CHINA / 江苏
省昆山市张浦镇益德路639号
4号房

Tel: +86 21 5888 5836
Email: info@allu.net

SWEDEN

ALLU Sverige AB

Stenvretsgatan 1,
SE-749 40 Enköping,
SWEDEN
Tel: +46 (0)171-17 15 17
Email: info@allu.net

GERMANY

ALLU Deutschland GmbH

Maschweg 77
DE-49324 Melle,
GERMANY
Tel: +49 (0) 5422 / 92782 - 0 (Zentrale)
Email: info@allu.net



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