KOMPTECH
TECHNOLOGY FOR A BETTER ENVIRONMENT

SHREDDING
SCREENING
SEPARATION
COMPOSTING

MOBILE MACHINES

THINK GREEN

OUR BUSINESS

1

TECHNOLOGY

- » Composting
- » Fermentation
- » Biomass treatment
- » Mechanical and mechanical-biological waste treatment
- » Treatment of refuse derived fuels
- » Waste wood treatment
- » Special applications for shredding and separation

EDITION WITH AUGMENTED REALITY CONTENT

Download the„Komptech LookBeyond!" app. Scan marked and numbered projects with the „LookBeyond! eye" to see additional information.

GET IT ON Google Play Available on the App Store

Komptech is a leading international technology supplier of machinery and systems for the mechanical and mechanical-biological treatment of solid waste and for the treatment of biomass as a renewable energy source.

The product range includes over 30 different types of machines, that cover all key process steps in modern waste handling - shredding, screening, separation, and biological treatment.

By combining the right products from our own portfolio with proven components, we can deliver solutions to address complex challenges. The focus is always on innovative technology and solutions that ensure the maximum customer benefit.

CONTENTS

SHREDDING

SCREENING

SEPARATION

COMPOSTING

LOW-SPEED UNIVERSAL
WASTE SHREDDER

TERMINATOR

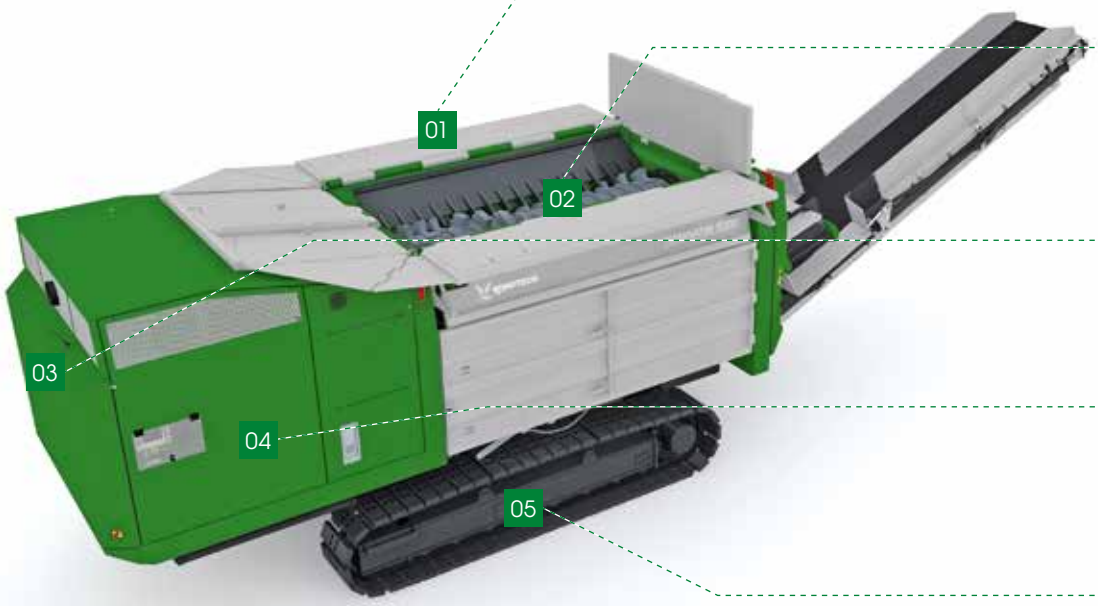
2

HIGHLIGHTS

- Shreds even the toughest materials
- Tough and resistant to contraries
- Different shredding units for a perfect fit with the application
- Variable particle size by adjusting cutting gap
- Numerous chassis and equipment options available

The processing of waste for materials recycling or energy production usually starts with shredding, to condition the waste cross-spectrum for further process steps. This is exactly what the Terminator is built for. As a low speed single-shaft shredder it can be used on all types of waste. Through variations in the drum and counter comb system, the applications range from coarse break-up to defined shredding.

Stepless cutting gap adjustment allows sizing of the output for its intended purpose. A hydraulic drive with load-dependent speed control ensures full use of the engine power. Overload protection prevents unshreddable contraries from ruining the tool elements. With the thought-out design all maintenance can be performed fast and easily from outside the machine.



01
Hydraulic folding hopper sidewalls

02
Shredding drum with replaceable teeth

03
High performance CAT® diesel engine

04
Hydraulic drive with constant power control

05
Track Fast tracks (option)

	3400	3400 S	5000	5000 S	6000 S
Drive					
Diesel engine:	CAT® C9.3 Tier 4 Final/Stufe IV or Tier 3/Stufe IIIA	CAT® C9.3 Tier 4 Final/Stufe IV or Tier 3/Stufe IIIA	CAT® C13 Tier 4 Final/Stufe IV or Tier 3/Stufe IIIA	CAT® C13 Tier 4 Final/Stufe IV or Tier 3/Stufe IIIA	CAT® C18 Tier 4 Final/Stufe IV or Tier 3/Stufe IIIA
Power (kW / HP):	242 /330	242 /330 Drum drive on both sides	328 / 446 (T4f) 354 / 480 (T3)	328 / 446 (T4f) 354 / 480 (T3) Drum drive on both sides	429 /583 Drum drive on both sides
Shredding unit					
Drum length (mm):	3000				
Drum diameter	1050				
Drum rpm:	max. 29	max. 29	max. 29	max. 32	max. 38
Loading heights					
Filling height (mm):	Hook: 2596 Trailer: 3005 Track: 2906				
Discharge heights (mm, 10°-35°):	Hook: 1390 - 3710 Trailer: 1920 - 4250 Track: 1830 - 4150				
Dimensions transport position/working position (Conveyor belt 35°)					
L x W x H Hook (mm):	7290 x 2490 x 2905 / 12360 x 3327 x 3710				
L x W x H Trailer (mm):	9120 x 2550 x 3360 / 13555 x 3327 x 4250				
L x W x H Track (mm):	6940 x 2855 x 3265 / 11370 x 3327 x 4150				
Weight (dependent on equipment)					
Hook (t):	~ 21.1	~ 21.9	~ 21.3	~ 22.1	~ 22.6
Trailer (t):	~ 23.9	~ 24.7	~ 24.1	~ 24.9	~ 25.5
Track (t):	~ 25.0	~ 25.8	~ 25.2	~ 26.0	~ 26.5
Throughput (dependent on material)					
Throughput performance (t/h):	up to 45	up to 50	up to 60	up to 80	up to 100
Options					
Drum tooth armored, forward movement device (Hook, Trailer), towing unit (Hook), remote control, central lubrication, transferring magnet with swinging arm, magnetic pulley etc.					

LOW SPEED
DOUBLE SHAFT SHREDDER

CRAMBO

3

green efficiency

HIGHLIGHTS

- » High throughput with general-purpose use
- » Aggressive feed with long, counter-rotating shredding drums
- » Variable particle sizes through simple screen basket change
- » Insensitive to contraries
- » New exterior design for perfect access to all maintenance points
- » Crambo direct: Efficient mechanical drum drive for top economy

The Crambo is one of the best machines for shredding all types of wood and green waste. Two slow-running drums with shredding tools minimize fine particle and noise/dust emissions, and resist contraries. The Crambo enables easy adjustment of the output particle size, by simply exchanging the screen basket to instantly change your required particle size. In addition to the existing hydraulicdrive model there is a mechanicaldrive version, the Crambo direct.

The drive train of the Crambo direct combines the functionality of hydraulic drive with the efficiency of mechanical drive. That means top economy, while retaining all product benefits like overloading protection, reversibility, adaptation to the material etc. A modern operating console and convenient access to all maintenance points makes everyday work very easy.

01
Large feeding area with flap and fold system for filling hopper

02
Shredding drums with aggressive cutting tools

03
Swivellable screen basket cartridge

04
Crambo direct with automatic transmission for drum drive

05
User-friendly operator panel with on-board computer

	4200 direct	5200 direct	6200 direct	3400	5000	6000
Engine						
Diesel engine:	CAT® C9.3 Tier 4 Final/Stufe IV or Tier 3/Stufe IIIA	CAT® C13 Tier 4 Final/Stufe IV or Tier 3/Stufe IIIA	CAT® C18 Tier 4 Final/Stufe IV or Tier 3/Stufe IIIA	CAT® C9.3 Tier 4 Final/Stufe IV or Tier 3/Stufe IIIA	CAT® C13 Tier 4 Final/Stufe IV or Tier 3/Stufe IIIA	CAT® C18 Tier 4 Final/Stufe IV or Tier 3/Stufe IIIA
Power (kW / HP):	242 / 330	328 / 446 (3b, T4f) 354 / 480 (T3)	429 / 583	242 / 330	328 / 446 (3b, T4f) 354 / 480 (T3)	429 / 583
Shredding unit						
Drum drive:	mechanical			hydraulic		
Drum rpm:	1. gear: 18 (max) 2. gear: 28 (max)	1. gear: 23 (max) 2. gear: 34 (max)	1. gear: 29 (max) 2. gear: 44 (max)	max 32	max 32	max 41
Drum length (mm):	2820					
Drum diameter (mm):	610					
Loading heights						
Loading heights (mm):	Hook: 2588 Trailer: 2997 Track: 2898					
Discharge heights (mm, 10°-35°):	Hook: 1520 - 3842 Trailer: 1929 - 4250 Track: 1830 - 4151					
Dimensions transport position/working position (Conveyor belt 35°)						
L x W x H Hook (mm):	7290 x 2450 x 2766 / 12292 x 3290 x 3778					
L x W x H Trailer (mm):	9065 x 2450 x 3367 / 13497 x 3290 x 4187					
L x W x H Track (mm):	6940 x 2854 x 3268 / 11372 x 3290 x 4088					
Weight (dependent on equipment)						
Hook (t):	~ 21.7	~ 22.0	~ 22.4	~ 21.0	~ 21.3	~ 21.7
Trailer (t):	~ 24.0	~ 24.3	~ 24.7	~ 23.3	~ 23.5	~ 23.9
Track (t):	~ 25.1	~ 25.4	~ 25.8	~ 24.4	~ 24.6	~ 25.0
Throughput (dependent on material)						
Througphut performance (t/h):	up to 55	up to 80	up to 120	up to 45	up to 60	up to 100
Options						
Drum armored, hook-shaped teeth, planing teeth, bio cutting unit, screen baskets 80/100/125/150/180/250/300, XL, radio remote control, central lubrication, transferring magnet with swinging arm, magnetic pully etc.						

HIGHLIGHTS

» Long feed area, open to the front, with filling capability on both sides

» Active feed system with pre-compression and extremely large feed opening

» 2 shredding concepts: shredder mode or chipper mode

» Ideal servicing access to the engine (underfloor engine) and to the shredding area

» Excellent mobility: Hook lift platform, semi-trailer chassis or steel tracks

The Axtor is one of the most flexible machines out there for processing wood and green cuttings. In fast-running shredder mode with free-swinging tools, it produces material for composting. In reduced-speed chipper mode with fixed tools, it makes biomass fuel for heating plants. The current product range consists of the high-performance Axtor 8012 and the Axtor 6010 and 5010 models.

High functionality but compact, while packing ample 590 and 480 HP power, these types are designed specifically for the medium to high output category. The most important features of the Axtor are a low-emissions diesel engine in a maintenance-friendly underfloor position, wide-area forward-facing feed with aggressive intake and high 1000 mm clearance (Axtor 8012).

01
Screen basket hydraulically extendable

02
Feed with large, aggressive feed drum

03
Drum with shredding tools or chipping blades

04
Feed area with hinged hopper and steel belt conveyor

05
CAT® diesel engine in underfloor position

	6010	5010	8012
Drive			
Engine:	CAT® C13 Tier 4 Final/Stufe IV or Tier 3/Stufe IIIA	CAT® C13 Tier 4 Final/Stufe IV	CAT® C18 Tier 2 Final/Stufe II
Power (kW / HP):	433 / 590	354 / 480	570 / 780
Material feed			
Feed table L x W (mm):	5600 (3500 activ) x 1430		6000 (4500 activ) x 2100
Conveyor:	Steel belt		Steel belt
Feed table height (mm):	2720		2800
Number of feed drums:	1 horizontal		3 horizontal, 2 vertical
Feeder opening H x W (mm):	850 x 1430		1000 x 1610 (with vertical feed drum 2100)
Shredding unit			
Drum diameter x drum width (mm):	1100 x 1510		1250 x 1630
Tools:	32 free-swinging tools or 32 fixed tools		36 free-swinging tools or 36 fixed tools
Drum rpm:	810 or 460 810 and 445 (option)		730 730 and 400 (option)
Material discharge			
Conveyor belt L x W (mm):	4500 / 5500 / 6500 (option) x 1200		4500 / 5500 / 6500 (option) x 1600
Max. discharge height (mm):	3900 - 5100		4700
Dimensions			
Trailer transport dimensions L x W x H (mm):	10700 x 2500 x 3815		10600 x 2550 x 4000
Track transport dimensions L x W x H (mm):	8800 x 2855 x 3588		8467 x 2854 x 3732
Semi-trailer transport dimensions L x W x H (mm):	11800 x 2500 x 3815		11535 x 2550 x 3918
Trailer working dimensions (mm, conveyor belt 35°):	15050 x 2500 x 4455		15000 x 2550 x 4650
Track working dimensions (mm, conveyor belt 35°):	13180 x 2855 x 4535		13969 x 2854 x 4647
Semi-trailer working dimensions (mm, conveyor belt 35°):	16180 x 2500 x 4455		16455 x 2550 x 4647
Trailer weight (t, dependent on equipment):	~ 24.0		~ 28.0
Track weight (t, dependent on equipment):	~ 27.0		~ 31.0
Semi-trailer weight (t, dependent on equipment):	~ 26.5		~ 32.0
Throughput (dependent on material)			
Throughput performance (m^3/h):	up to 310		up to 400

HYDRAULIC
DRUM SCREENS

5

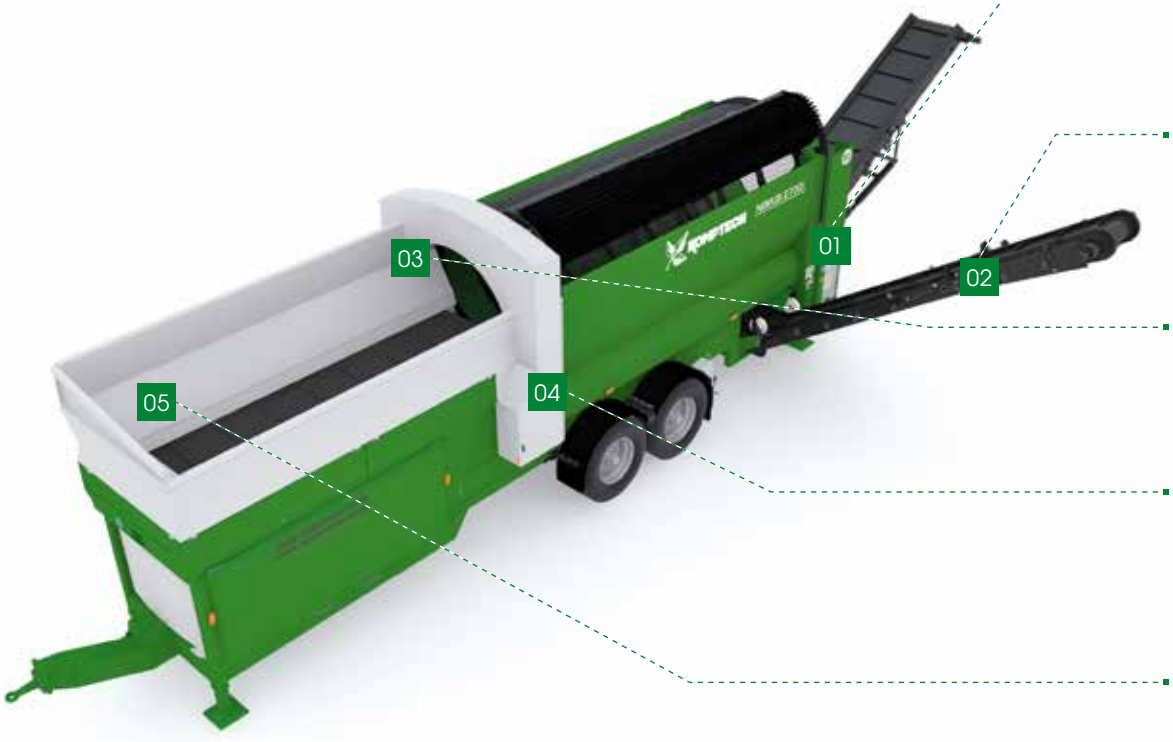
NEMUS
PRIMUS, MAXX

HIGHLIGHTS

- Market-focused product range in three performance classes
- Robust, proven solutions based on long experience
- Extensive options to meet individual needs
- Broad range of screen drum choices in hole size, wall thickness and material quality

In modern material management, screening continues to be a major process step. With many years of experience in the construction of screening machines, Komptech supplies hydraulically driven drum screens that perform this key process step highly effectively. The product range covers three size ranges that are an exact fit with market needs. The medium capacity Primus and Maxx series have been in use for years, and are tough, proven machines.

A step up in capacity is the Nemus, combining proven solutions and innovative details with maximum operator convenience and performance. The large steep walled hopper, and the screen drum with its improved material feed and high-performance discharge system, harmonize perfectly with the proven, robust diesel-hydraulic drive. Also available: the Nemus in semitrailer configuration and with a tracked chassis.



01
Electronic control panel with a visual display

02
Discharge of fines with onepiece corrugated belt conveyor (option)

03
Hopper belt is driven on the screen intake side

04
Low wear DRUMGRIP-drum drive

05
Steep hopper side walls and hopper control

	PRIMUS	MAXX	NEMUS 2700
Drive			
Diesel engine (kW):	38	55	70
Material feeding - feed hopper			
Hopper volume (m^3):	> 3.0	> 5.0	> 5.0
Filling length (mm):	> 2900	> 4000	> 4000
Filling height (mm):	2640	2800	2850
Screening drum			
Diameter (mm):	1450	1800	2000
Length (mm):	4000	4500	5500
Effective screening area (m^2):	16	22.5	30
Drum rpm:	max. 21	max. 23	max. 23
Material discharge - max discharge height			
Coarse fraction (mm): (option)	2300	2500 (3200, 4000)	3200
Fine fraction (mm): (option)	2080	2150 (3200)	3200 (3550)
Abmessungen L x W x H (mm)			
Working dimensions Trailer: Semi-trailer:	9750 x 2550 x 4000	11250 x 2550 x 4000	12000 x 2550 x 4000 11560 x 2550 x 4000
Arbeitsabmessungen Trailer: Semi-trailer:	11610 x 4810x 3080	13300 x 5000x 3750	14950 x 5970 x 3800 14540 x 5970 x 3800
Max. permissible weight (t):	9.0	16.0	17.0
Throughput (dependent on material)			
Throughput performance (m^3/h):	up to 70	up to 120	up to 170

ELECTRICAL
DRUM SCREENS

CRIBUS

6

green efficiency

HIGHLIGHTS

- » Designed for economical operation
- » Energy, wear and maintenance costs minimized through innovative solutions
- » Electrical drive of all components for the highest energy efficiency
- » Available in three sizes to meet any performance need
- » Extensive options for individual configuration
- » User-friendly and reliable through new machine design

The Cribus series redefines the term mobile drum screen. Numerous innovations create a machine with the highest level of functionality and cost-effectiveness, to set a new benchmark.The drive system is the basis for its extremely high cost-effectiveness - everything on the Cribus is driven electrically, from the hopper to the discharge belts.

This minimizes the energy, wear and servicing costs of the whole machine, backed up by the newly developed direct drum drive.The Cribus also offers compelling benefits in servicing and operational safety. Large flaps and doors, simple replacement of screen drum and conveyor belts, and well-designed safety mechanisms are hallmarks of the machine design.

01
Electrically adjustable round brush

02
Friction wheel drum drive with WHEELGRIP

03
Discharge of fines with corrugated belt conveyor

04
Steep hopper walls with extensions that can be fitted on the right or left

05
Diesel generator hydraulically extendable

	2800	**3800**	**5000**
Drive			
Diesel generator (option, kVA):	30	48	48
Material feeding - feed hopper			
Hopper volume (m^3):	> 5.0	> 5.0	> 6.0
Filling length (mm):	> 4000	> 4000	> 4500
Filling height (mm):	2950	2950	2950
Screening drum			
Diameter (mm):	2200	2200	2200
Length (mm):	4600	6000	7700
Effective screening area (m^2):	28	38	50
Drum rpm:	max. 20	max. 20	max. 20
Material discharge - discharge height			
Coarse fraction (mm):	3500	3500	3500
Fine fraction (mm):	3350	3350	3350
Dimensions L x W x H (mm)			
Transport dimensions trailer: Transport dimensions semi-trailer:	10600 x 2550 x 4000 9850 x 2550 x 4000	12000 x 2550 x 4000 11600 x 2550 x 4000	 13600 x 2550 x 4000
Working dimensions trailer: Working dimensions selmi-trailer:	14900 x 5000 x 4000 14175 x 6560 x 4000	16300 x 6560 x 4000 16215 x 6640 x 4000	 18500 x 6800 x 4000
Max. permissible weight (t):	17,0	19,0	26.0
Throughput (dependent on material)			
Throughput performance (m^3/h):	up to 175	up to 225	up to 275
Options			
Diesel generator, magnet drum, adjustable belt speed, soot filter, Cleanfix fan, remote control, central lubrication, feed device, hopper pre-screening, hopper sensor controller etc.			

MOBILE
OVERLENGTH RETURN

7

MULTISTAR ONE

green efficiency

HIGHLIGHTS

- Semi-mobile 2-fractions-star screen with return conveyor on a hook lift frame
- 6.5 m² screen area for throughput of up to 200 m³/h
- Large hopper volume up to 2.5 m³ with scraper conveyor and feed roller (option)
- Excellent maintenance access through service doors and easily removable flexible cladding
- Efficient electric drive with power supply from the grid or the shredder

The new Multistar One makes waste wood and biomass processing highly efficient. An upstream Crambo or Terminator handles the shredding, and the One then takes care of separating out a defined useful fraction while returning overlengths to the shredder. With a feed hopper for precise material transfer to the generously dimensioned screen deck, a discharge conveyor with 4 m cone height and a return conveyor that can pivot through 220°, the One is ready to deliver up to 200 m³/h throughput.

The machine is built on a hook-lift frame, making it compact. The conveyors are designed for flexible positioning, while the low-wear screen deck and electric power ensure top economy. Along with two maintenance doors, tough truck-grade tarp material protects components from dirt while saving weight and affording easy access.

01
Power supply from the grid or the shredder

02
Return conveyor 220° swivelling, discharge heigth up to 4 m

03
Screen with elastic stars and CLEANSTAR cleaning elements

04
Screen deck-drive via electric motors with frequency converter

05
Hopper with scraper conveyor and active feed roller

Drive	
Electrical power input (kW):	25
Material feeding	
Hopper volume (m^3):	2.5
Filling length (mm):	2300
Filling height (mm):	2500 / 3000
Screen unit	
Screen L x W (mm) / area (m^2):	4500 x 1450 / 6.5
Screen section (standard)	
Coarse fraction - return fraction (mm):	> 60.....90
Fine fraction - use fraction (mm):	0/60.....90
Material discharge	
Max. discharge height coarse fraction (mm):	4050
Max. discharge height fine fraction (mm):	3950
Dimensions	
Transport dimensions L x B x H (mm):	8176 x 2466 x 2600
Working dimensions L x B x H (mm):	15949 x 2456 x 3900
Weight (t):	~ 9.2
Throughput (dependent on material)	
Throughput performance (m^3/h):	up to 200
Options	
Different screen options, magnetic drum for discharge conveyors, feed roller, shunting towbar, remote control and more.	

STAR SCREEN

MULTISTAR S3

8

green efficiency

HIGHLIGHTS

- » Semi-mobile 3-fractions-star screen on a hook lift frame
- » High throughput of up to 100 m³/h
- » Large hopper volume up to 3.5 m³ with low loading height
- » Excellent maintenance access through service doors and easily removable flexible cladding
- » Power for the electrical drives from the mains or from an integrated diesel generator

The Multistar S3 is the entry-level member of Komptech's professional star screen line. Designed expressly for the needs of lower to moderate volume users, the S3 combines low cost with a level of performance previously only available in the high-capacity L and XL class. Built on a hook lift module, it has small dimensions while still offering the requisite mobility for service providers or multi-site use.

Like the higher capacity models, the applications range from compost to green cuttings to bark, chips and shredded waste wood. Similarly, almost all the options of the larger machines are available - wind-sifting of the medium fraction, screen deck variations, switch from 3 to 2 fractions, hopper extensions and much more. High efficiency at low emissions - the S3 naturally meets Komptech's green efficiency® criteria.

01
Hopper with scraper conveyor and active feeding drum

02
Screen deck-drive via electric motors with frequency converter

03
Fine screen with elastic stars and cleaning elements

04
Coarse screen with robust screen stars

05
Energy supply: Mains operation or Diesel generator

Drive	
Diesel generator (option, kVA):	45
Material feeding	
Hopper volume (m³):	2.5 / 3.5 (option)
Filling length (mm):	3100
Filling height (mm):	2500 / 3000
Screen segments	
Coarse screen L x W (mm) / area (m²):	2400 x 900 / 2.1
Fine screen L x W (mm) / area (m²):	4250 x 900 / 3.9
Screen section (standard)	
Coarse fraction (mm):	> 60.....90
Medium fraction (mm):	10.....25 / 60.....90
Fine fraction (mm):	0 / 10.....25
Material discharge	
Max. discharge height coarse fraction (mm):	2300
Max. discharge height medium fraction (mm):	2900
Max. discharge height fine fraction (mm):	2300
Dimensions	
Transport dimensions L x W x H (mm):	8200 x 2450 x 2560
Working dimensions L x W x H (mm):	11066 x 5542 x 3000
Weight (t):	~ 10.0
Throughput (dependent on material)	
Throughput performance (m³/h):	up to 100
Options	
Different screen options for coarse and fine screen, diesel generator, magnetic drum, wind sifter, radio remote control, feed roller, switch from 3 to 2 fractions, hopper overload panels, hydraulic supports and more	

STAR SCREEN

MULTISTAR L3

9

green efficiency

HIGHLIGHTS

- » Separation into two or three fractions on one machine, in one pass
- » High throughput and precise selectivity with the CLEANSTAR system
- » High flexibility with particle size changes in just seconds
- » Perfect access to all maintenance positions
- » Multi-functional with numerous options
- » Perfectly suited for the preparation of biomass fuel

The Multistar L3 is a further improvement of its line of Multistar star screens. High throughput across a wide range of applications, combined with the patented cleaning system for an outstanding degree of separation even with wet materials, make it the most capable machine in its class. And then there's its impressive energy efficiency: All machine components are electrically driven. The power can come from the grid for the lowest cost, or from the on-board generator where grid power isn't available.

The innovative design boosts operating flexibility and simplies maintenance. Thus, cover panels don't just protect the components inside, they also serve as access doors for full access to all maintenance points. Other highlights include a cassette configuration of the screen decks for rapid changes, adding flexibility. The screen drive components are tougher, the fines are discharged by a corrugated belt conveyor, and the control setup is even more intuitive.

01
Hopper with scraper conveyor and active metering drum

02
Screen deck-drive via electric motors with frequency converter

03
Coarse screen with robust screen stars

04
Fine screen with elastic stars and cleaning elements

05
Energy supply: Diesel generator or mains operation

Drive	
Diesel generator (option, kVA):	60
Material feeding	
Hopper volume (m³):	~ 7
Filling length (mm):	3750
Filling height (mm):	3450
Screen segments	
Coarse screen L x W (mm) / area (m²):	3198 x 1200 / 3.85
Fine screen L x W (mm) / area (m²):	5852 x 1250 / 7.3
Screen section	
Coarse particle (mm):	> 60.....90
Medium particle (mm):	10.....25 / 60.....90
Fein particle (mm):	0 / 10.....25
Material discarge	
Max. discharge height coarse fraction (mm):	2850
Max. discharge height medium fraction (mm):	3500
Max. discharge height fine fraction (mm):	3500
Dimensions	
Transport dimension trailer L x W x H (mm): Transport dimension semi-trailer L x W x H (mm):	11500 x 2550 x 4000 13600 x 2550 x 4000
Working dimension trailer L x W x H (mm): Working dimension semi-trailer L x W x H (mm):	13600 x 6500 x 4000 17200 x 6500 x 4000
Weight (t):	~ 21.0
Throughput (dependent on material)	
Throughput performance (m³/h):	up to 250
Options	
Different screen options for coarse and fine screen, magnetic drum, discharge belt for rolling pieces, windsifter, diesel generator towing and chassis options, radio remote control, central lubrication and more	

STAR SCREENS

MULTISTAR XL3 / XXL2

10

green efficiency

HIGHLIGHTS

- Separation into two or three fractions on one machine, in one pass
- High flexibility with particle size changes in just seconds
- Wide range of application: woody biomass, compost, bark, wood chips, waste wood, waste (pre-shredded)
- Outstanding energy efficiency and minimal noise and exhaust emissions

The Multistar XL- and XXL-series are the top line of high-performance star screens from Komptech. The machines are designed for the most demanding operation with the highest throughput, while retaining the benefits of mobility.

Heavy-duty components for continuous operation, large screen decks with wide discharge belts and a powerful, but extremly economically electric drive via diesel generator all ensure throughput. The end result: Unbeatably low operating costs at full production.

01
Hopper with scraper conveyor and active metering drum

02
Fine screen with elastic stars and cleaning elements

03
Screen deck-drive via electric motors with frequency converter

04
Coarse screen with robust screen stars

05
Energy supply: Diesel generator or mains operation

	Multistar XL3	Multistar XXL2
Drive		
Diesel generator (kVA):	60	60
Material feeding - feed hopper		
Hopper volume (m^3):	~ 7	~ 10 (option up to 15)
Filling length (mm):	3400	4000
Filling height (mm):	3500 / 4000	3200
Screen segments		
Coarse screen L x W (mm) / area (m^2):	5000 x 1200 / 6.0	-
Fine screen L x W (mm) / area (m^2):	5450 x 1250 / 6.8	7000 x 1600 / 11.2
Screen section (standard)		
Coarse particle (mm):	> 25...50	> 15...30
Medium particle (mm):	10...25 / 25...50	-
Fine particle (mm):	0 / 10...25	0 / 15...30
Material discharge		
Max. discharge height coarse fraction (mm):	3230	3600 (option 4600)
Max. discharge height medium fraction (mm):	3500	-
Max. discharge height fine fraction (mm):	3100	2700 (option 4000)
Dimensions L x W x H (mm)		
Transport dimensions:	11900 x 2500 x 4000	13700 x 2550 x 3900
Working dimensions:	15000 x 6350 x 4000	15500 x 4250 x 3900
Weight (t):	22.0	22.0
Throughput (dependent on material)		
Throughput performance (m^3/h):	up to 300	up to 500
Options		
Different screen options for coarse and fine screen, screen deck variants, wind sifter (coarse-, medium fraction), coarse fraction conveyor, magnet drums, rolling fraction separator (medium-, coarse fraction), hopper overload sidewalls, central lubrication etc.		

WIND SIFTER

11

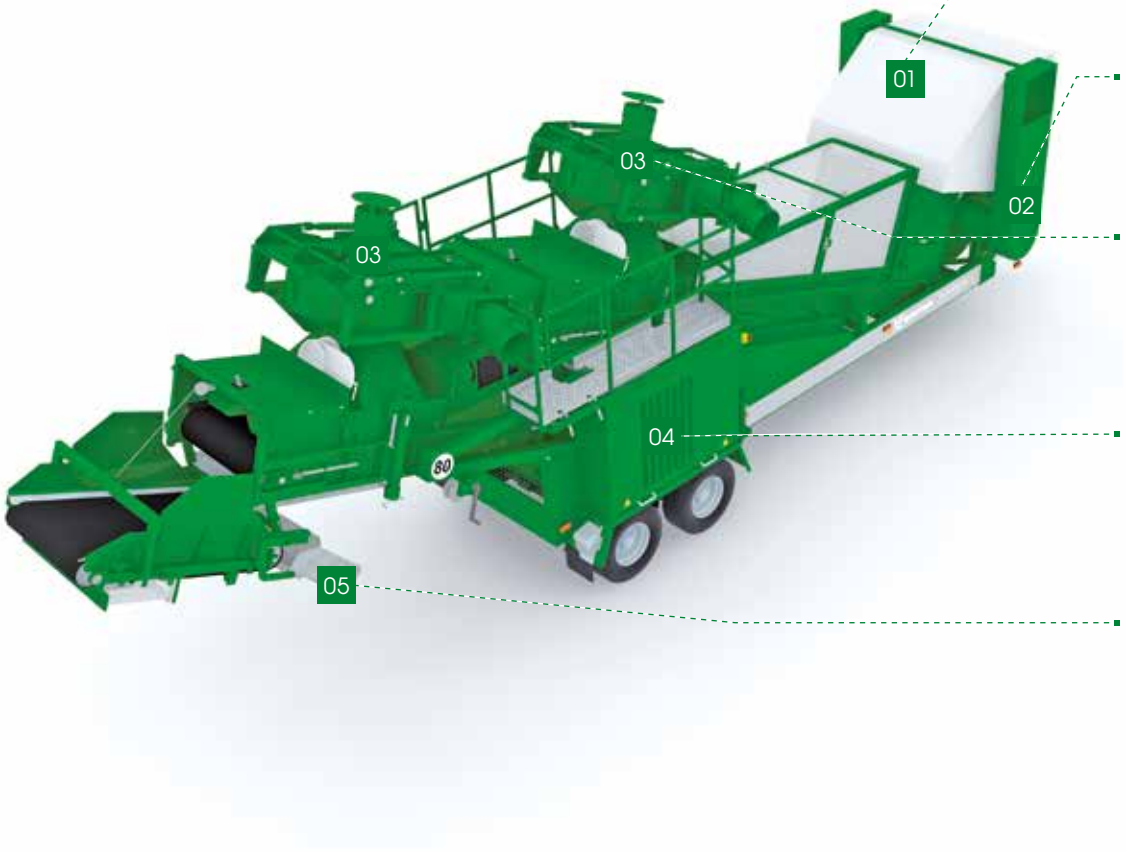
HURRIKAN
HURRIKAN S

HIGHLIGHTS

- High throughput with up to 95 percent separation precision through optimum adjustability for the material
- The Hurrikan S has an expanded suction area for higher throughput and separation precision.
- 80 km/h chassis for high mobility and optional onboard diesel generator for operation at any site
- The mobile machine can be combined with almost any screen

The Hurrikan wind sifters provide effective removal of plastic film from screen overflow. They work with a patented pressure-suction process that gives the Hurrikan S a separation efficiency of up to 95 percent (up to 90 percent for the Hurrikan). Magnetic and roller separators can further enhance the quality of the recyclable output.

The Hurrikan is offered as a centre axle trailer (tandem axle for the S version). Electric drive of all components ensures top efficiency while offering many control possibilities. An optional generator provides full independence from grid power.



01
Vibrating feed channel, optional enclosure

02
Pressure blower

03
Suction blower, folds up for maintenance

04
Diesel generator (optional)

05
Rolling fraction separator (optional)

	Hurrikan	Hurrikan S
Drive		
Diesel generator (option, kVA):	48	60
Material feed		
Loading wide (mm):	1600	1600
Loading height (mm):	1950 up to 2250	1950 up to 2250
Material discharge		
Discharge heigth (mm):	2900	2600
Dimensions		
Transport dimensions L x W x H (mm):	8300 x 2550 x 4000	11000 x 2550 x 4000
Working dimensions L x W x H (mm):	8130 x 3000 x 4100	11000 x 3000 x 4000
Total permissible weight (t):	6.5	10.0
Throughput (dependent on material)		
Throughput performance (m^3/h):	up to 40	up to 60
Options		
Diesel generator, magnet drum, rolling fraction separator, frequency-converter for suction blower, special suction channels, enclosure for vibrating feeder and much more		

STONE SEPARATOR

STONEFEX

12

HIGHLIGHTS

- Reliable separation of stones and inert material with a separation rate of up to 95 percent.
- Throughput up to 100 m³/h with input sizes from 10…20-150 mm (depending on material and loading)
- Wide range of applications thanks to adjustable separation parameters
- Low energy costs thanks to electrical drive of all components

The Stonefex stone separator gets stones and other inert material out of biomass fuels dependably and with high separation efficiency. The input material is the useful biomass fraction from a screen, like woody green cuttings, screen overflow from compost or forestry chips.

A patented system of pressure and suction blower generates exactly the right air flow in the separation chamber to remove stones from the wood. The blowers and discharge conveyors are electrically powered, reducing energy costs and minimizing maintenance effort.

01
Adjustable-speed feed conveyor

02
Separation chamber with pressure blower

03
Corrugated edge belt for the stone fraction

04
Suction blower, folds up for maintenance

05
Corrugated edge belt for use fraction

Drive	
Diesel generator (option, kVA):	30
Material feed - feed conveyor	
Loading area width (mm):	1200
Loading height (mm):	3150
Stone fraction discharge	
Design:	Corrugated edge belt
Loading height (mm):	2500 (option 3700)
Wood fraction discharge	
Design:	Corrugated edge belt
Loading height (mm):	2500 (option 3700)
Dimensions	
Transport dimensions L x W x H (mm):	8300 x 2550 x 4000
Working dimensions L x W x H (mm):	8300 x 7500 x 3700
Total permissible weight (t):	10.0
Throughput (depending on material)	
Throughput performance (m^3/h):	up to 100
Options	
Diesel generator, conveyor extensions, adjustable conveyor speed, electro-hydraulically folding discharge conveyors, central lubrication, frequency converter for suction blower, remote control and much more	

STONE AND LIGHT MATERIAL SEPARATOR

HURRIFEX

13

green efficiency

HIGHLIGHTS

- Combination machine: Savings in space, materials and transportation logistics compared to two separate machines
- Very broad range of uses, with simple operation and high availability.
- Separation efficiency up to 95 with a throughput of 60 m³/h (depending on material and loading)

The Hurrifex combines a stone separator and wind sifter in a single machine. This makes it possible to clean compost and biomass fractions of stones and light materials - primarily plastic film - in one pass. Easily adjustable separation parameters give the Hurrifex a wide range of applications, and a separation efficiency of up to 95 percent.

All components are electrically powered, using grid power or the onboard diesel generator. Maintenance doors in the cladding provide full access to all maintenance points. For easy transport, there are mobile centre axle trailer and semitrailer versions available.

01
Adjustable-speed feed conveyor

02
Separation chamber with pressure and suction blower

03
Corrugated edge belt for the stone fraction

04
Suction blowers, folds up for maintenance

05
Hinged towbar

Drive	
Diesel generator (option, kVA):	60
Material feed - feed conveyor	
Loading area width (mm):	1200
Loading height (mm):	2800
Stone fraction discharge	
Design:	Corrugated edge belt
Discharge height (mm):	2500 (option 3700)
Clean fraction discharge	
Design:	Ribbed belt
Discharge height central-axle-trailer (mm): Discharge height semitrailer (mm):	3100 3650
Dimensions L x W x H (mm)	
Transport dimensions central-axle-trailer: Transport dimensions semitrailer:	12000 x 2550 x 4000 13900 x 2550 x 4000
Working dimensions central-axle-trailer Working dimensions semitrailer:	12400 x 5500 x 4100 13900 x 5500 x 4100
Total permissible weight (t):	14.0
Throughput (depending on material)	
Throughput performance (m^3/h):	up to 60
Options	
Diesel generator, conveyor extension, adjustable conveyor speed, electro-hydraulically folding discharge conveyor, central lubrication, frequency converter for suction blowers, remote control, enclosure feeding conveyor and much more	

TURNER FOR
TRIANGULAR WINDROWS

14

TOPTURN X4500 / X5000

HIGHLIGHTS

- Large-dimensioned turning drum for high throughput and complete mixing
- Wheel drive or Track drive
- Comfortable cabin with a lot of space and new intuitive controls
- Easy maintenance access with ladders and platforms integrated in the body
- Wide application area: Composting of MSW, green waste, biowaste, sewage sludge, treatment of contaminated soils, mixing of ores

The new Topturn X4500 brings high-end performance to the entry level category. As the successor to Topturn 3500, the X4500 packs the proven functionality of the X series in a scale that is a perfect fit for small and medium-size composting operations. A robust frame in a pioneering new design, high performance hydraulics and generously dimensioned drum mean high throughput in all working scenarios.

For small operators with big plans, the X4500 also comes in a more powerful 205 kW version. All engines meet the latest exhaust requirements. Generously dimensioned cooling systems keep them running smoothly even under full load and high ambient temperatures. Further plus points are hydraulically extended maintenance platforms for ready access, and low wear costs through double-use turning blades.

01
Spacious comfortable cabin (optional with lift function)

02
Diesel engine in 2 output levels
X4500: 151/205 kW
X5000: 205/250 kW

03
Service steps and platform simplify maintenance

04
1.2 m diameter drum with double-use blades

05
Massive plough blades for reliable track cleaning

	X4500	X5000
Drive		
Diesel engine:	CAT ® C7.1 Tier 4 Final/Stage IV or Tier 3/Stage IIIA	CAT® C7.1/ CAT® C9.3B Tier 4 Final /Stage IV or V or Tier 3/Stage IIIA
Power (kW / HP):	151/205 or optional 205/278	205/278 or optional 250/340
Turning unit		
Turning drum diameter (mm):	1200	1200
Turning drum rpm:	0-195	0-195
Windrow dimensions		
Windrow width (mm):	4500	5000
Max. windrow height (mm):	2200	2200
Windrow cross-section at 45° repose angle (m^2):	5.1	6.1
Travelling speeds (I standard, II optional)		
Wheel (km/h):	I: 0-4 II: 0-6	I: 0-4 II: 0-6
Track (km/h):	I: 0-4	I: 0-4
Dimensions L x B x H		
Transport dimensions Wheel (mm):	4851 x 2996 x 3319	5357 x2996 x 3324
Transport dimensions Track (mm):	4851 x 2550 x 3288	5357 x 2550 x 3293
Working dimensions Wheel (mm):	4484 x 5080 x 3606 (+380)	4484 x 5580 x 4056 (+380)
Working dimensions Track (mm):	4126 x 5080 x 3645 (+380)	4124 x 5580 x 4025 (+380)
Weight		
Wheel (t):	~ 14.5	~ 16.0
Track (t):	~ 15.0	~ 16.5
Througput (dependent on material)		
Throughput performance (m^3/h):	up to 3000	up to 4000
Options		
Two speed levels, lift-cabin, central lubrication, scraper, protective ventilation, watering system etc. A lateral displacement device is not available.		

TURNER FOR
TRIANGULAR WINDROWS

15

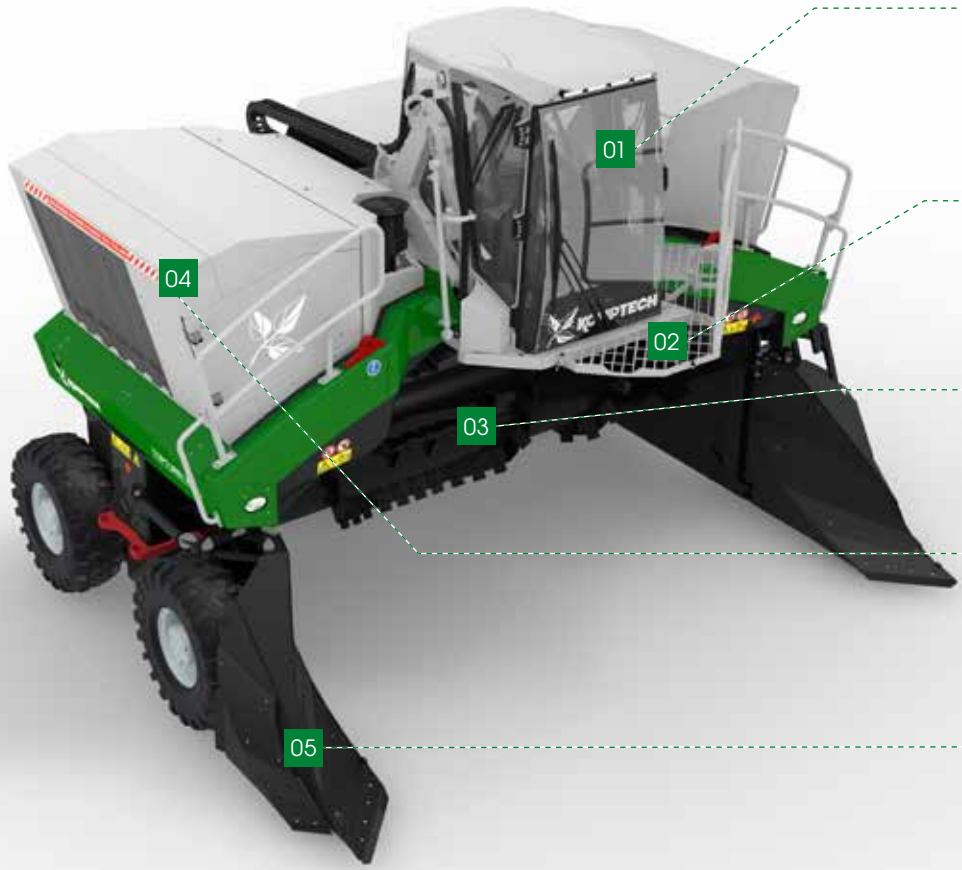
TOPTURN X55 / X63

HIGHLIGHTS

- Large-dimensioned turning drum for high throughput and complete mixing
- Wheel drive or Track drive
- Comfortable cabin with more space and new intuitive controls
- Easy maintenance access with ladders and platforms integrated in the body
- Wide application area: Composting of MSW, green waste, biowaste, sewage sludge, treatment of contaminated soils, mixing of ores

The Topturn is one of the most widely used compost turners in the world. With the new X55 and X63 we are further extending our position. Inspired by our customers, this third generation of the Topturn offers top performance with complete comfort and convenience. An even sturdier telescopic frame, high performance hydraulics and generously dimensioned turning drum mean high throughput in all working scenarios.

The engine meets the latest emissions standards, and the new cooling system keeps everything cool even under heavy loads and high outside temperatures. Further plus points are the larger, comfortable cabin and new automatic drive for relaxed working, and the hydraulically extendible maintenance platforms for fast, easy maintenance.



01
Spacious comfortable cabin (optional with lift function)

02
Service steps and platform simplify maintenance

03
Turning drum with large diameter

04
Powerful CAT® diesel engine with newest emission stage

05
Robust plough blades

	X55	X63
Drive		
Diesel engine:	CAT ® C9.3 Tier 4 Final/Stage IV or Tier 3/Stage IIIA	CAT ® C13 Tier 4 Final/Stage IV or Tier 3/Stage IIIA
Power (kW / HP):	242 / 330	287 / 390
Turning device		
Drum diameter (mm):	1200	1400
Drum rpm:	0-195	0-195
Windrow dimensions		
Windrow width (mm):	5000 / 5300	5700 / 6000
Max. windrow height (mm):	2500	2800
Windrow cross-section at 45° repose angle (m^2):	6.2	8.1
Travelling speeds (I standard, II optional)		
Wheel (km/h):	I: 0-4 II: 0-6	I: 0-4 II: 0-6
Track (km/h):	I: 0-4	I: 0-4
Dimensions L x W x H		
Transport dimensions Wheel:	5457 x 2996 x 3284	6155 x 2996 x 3635
Transport dimensions Track:	5457 x 2548 x 3253	6155 x 2548 x 3607
Working dimensions Wheel:	3973 x 5391 x 4409	4303 x 6091 x 4815
Working dimensions Track:	3973 x 5303 x 4380	3973 x 6003 x 4780
Weight		
Wheel (t):	~ 16.0	~ 18.0
Track (t):	~ 16.5	~ 18.7
Througput (dependent on material)		
Throughput performance (m^3/h):	up to 4000	up to 4500
Options		
Diesel engines Tier 4 Final/Stage IV or Tier 3/Stage IIIA, two speed levels, lateral displacement device, central lubrication, scraper, protective ventilation, watering etc.		

TECHNOLOGY FOR A BETTER **ENVIRONMENT**

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