



KOMPTECH
TECHNOLOGY FOR A BETTER ENVIRONMENT

SHREDDING
SCREENING
SEPARATION
COMPOSTING

MOBILE MACHINES



KOMPTECH

THINK GREEN



1

OUR BUSINESS

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.



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

TERMINATOR Low speed single shaft shredder	4/5
CRAMBO Low speed double shaft shredder	6/7
AXTOR High speed shredder	8/9

SCREENING

NEMUS / PRIMUS / MAXX Hydraulic drum screens	10/11
CRIBUS Electric drum screens	12/13
MULTISTAR ONE Star screens	14/15
MULTISTAR S3 Star screens	16/17
MULTISTAR L3 Star screens	18/19
MULTISTAR XL3 / XXL2 Star screens	20/21

SEPARATION

HURRIKAN / HURRIKAN S Windsifter	22/23
STONEFEX Stone separator	24/25
MERALFEX Non-ferrous and ferrous metal separator	26/27

COMPOSTING

TOPTURN X4500 / X5000 / X6000 Self-propelled turner for triangular windrows	28/29
TOPTURN X63 Self-propelled turner for triangular windrows	30/31





LOW-SPEED UNIVERSAL
WASTE SHREDDER



2

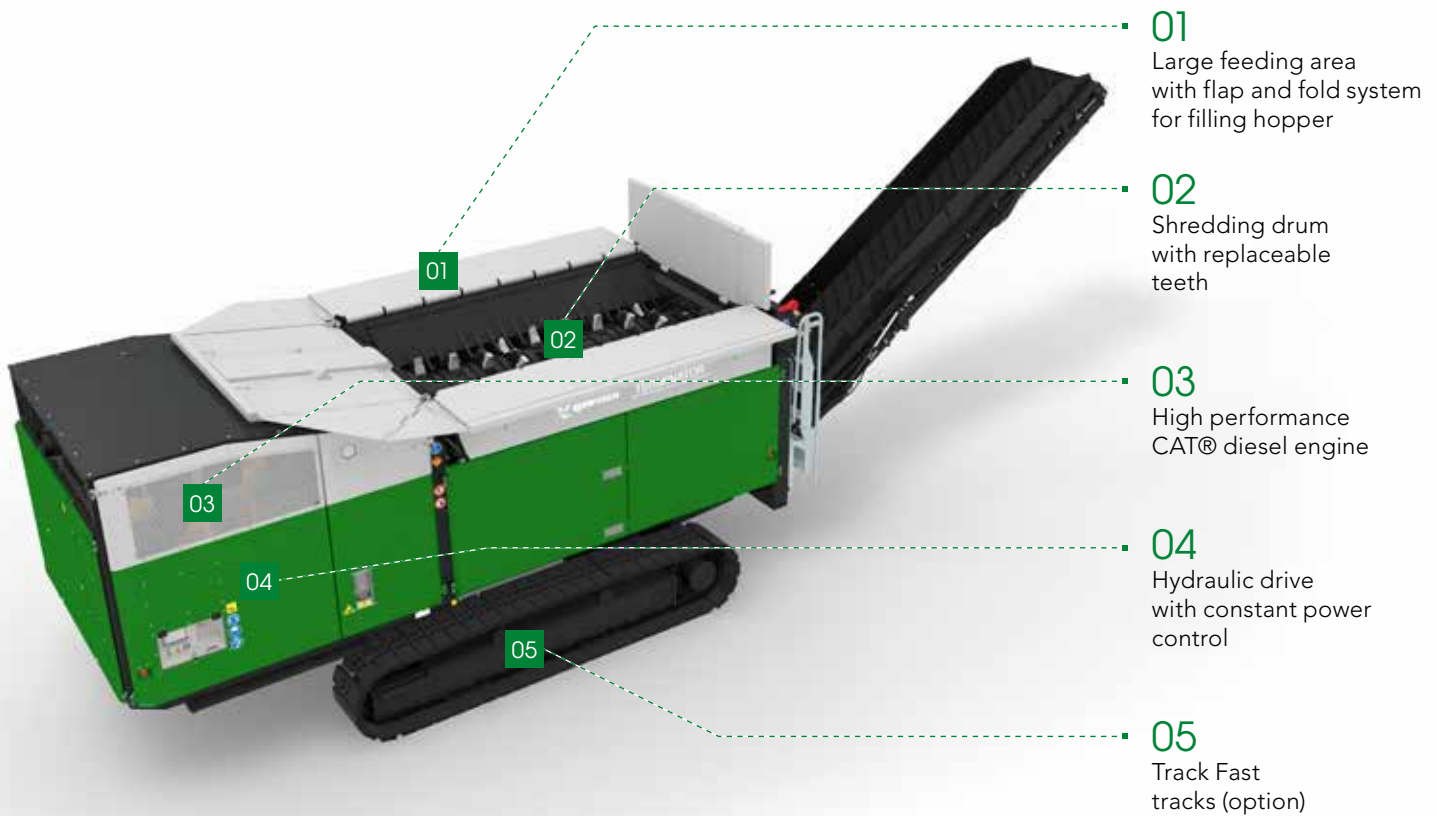
TERMINATOR

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 Terminator is a slow-running, single-shaft shredder for all types of waste. Through variations in the drum and counter comb system, the applications range from coarse break-up to defined shredding. The continuous cutting gap adjustment allows precise setting of the particle size for subsequent process steps.

The hydraulic drive with load-dependent speed control ensures maximum utilization of the engine output. 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. The hook lift platform, 3-axle chassis and steel tracks with hydraulic drive options provide excellent mobility.



	3400	3400 S	5000	5000 S	6000 S
Drive					
Diesel engine:	CAT® C9.3B T4F/Stage V or T3/Stage IIIA	CAT® C9.3B T4F/Stage V or T3/Stage IIIA	CAT® C13 T4F/Stage V or T3/Stage IIIA	CAT® C13 T4F/Stage V or T3/Stage IIIA	CAT® C18 T4F/Stage V or T3/Stage IIIA
Power (kW / HP):	242 / 330	242 / 330 Drum drive on both sides	328 / 446 (Stage V) 354 / 480 (Stage IIIA)	328 / 446 (Stage V) 354 / 480 (Stage IIIA) Drum drive on both sides	447 / 608 (Stage V) 429 / 583 (Stage IIIA) 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



LOW SPEED
DOUBLE SHAFT SHREDDER



3

CRAMBO

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® C9.3B T4F/Stage V or T3/Stage IIIA	CAT® C13 T4F/Stage V or T3/Stage IIIA	CAT® C18 T4F/Stage V or T3/Stage IIIA	CAT® C9.3B T4F/Stage V or T3/Stage IIIA	CAT® C13 T4F/Stage V or T3/Stage IIIA	CAT® C18 T4F/Stage V or Tier 3/Stage IIIA
Power (kW / HP):	242 / 330	328 / 446 (Stage V) 354 / 480 (Stage IIIA)	429 / 583	242 / 330	328 / 446 (Stage V) 354 / 480 (Stage IIIA)	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)						
Throughput performance (t/h):	up to 55	up to 80	up to 120	up to 45	up to 60	up to 100



HIGH SPEED
SHREDDER



4

AXTOR

HIGHLIGHTS

- » Large 4.15 m long x 1.43 m wide feed area with tilt hopper
- » Active intake with tough sectional steel conveyor and very large intake opening
- » 2 modes - shredder or chipper
- » Ideal maintenance access to engine and drum
- » Mobility: central axle trailer or tracked chassis

The Axtor is one of the most versatile machines anywhere for processing wood and green cuttings. With a 462 HP engine and a total weight under 19 tonnes in the trailer version, the new Axtor 4510 is a perfect fit for the requirements in the entry-level and medium-capacity categories. If more is needed, there is the powerful Axtor 6210 with 577 HP. With it, throughput of 300 cubic metres per hour and more is possible.

Compact dimensions and high flexibility also make the Axtor ideal for subcontractors. Whether green cuttings, waste wood or trunks, through its ability to work in shredder or chipper mode the Axtor always delivers the desired product. Other features of the Axtor series are a wide feed area with tilt hopper, tough and aggressive intake system, and roomy service platform with excellent access to engine and drum for maintenance.



	AXTOR 4510	AXTOR 6210
Drive		
Engine:	CAT® C9.3B	CAT® C13
Power (kW / HP):	T4F/Stage V 340 / 462	T4F/Stage V 430 / 577
Material feed		
Feed table L x W (mm):	4155 (3600 active) x 1430	4155 (3600 active) x 1430
Feed table height (mm):	2250	2250
Number of feed drums:	1 horizontal	1 horizontal
Feeder opening H x W (mm):	850 x 1430	850 x 1430
Shredding unit		
Drum diameter x drum width (mm):	1100 x 1510	1100 x 1510
Tools:	32 free-swinging tools or 32 fixed tools	32 free-swinging tools or 32 fixed tools
Drum rpm:	460 / 912	460 / 912
Material discharge		
Conveyor belt L x W (mm):	1200	1200
Max. discharge height (35°, mm):	4500	4500
Dimensions L x W x H (mm)		
Transport dimensions		
Trailer:	(2-axle) 9980 x 2497 x 3700	(3-axle) 9980 x 2497 x 3700
Track:	8390 x 2497 x 3580	8390 x 2497 x 3580
Working dimensions (Conveyor belt 35°)		
Trailer:	(2-axle) 13347 x 2497 x 4450	(3-axle) 13347 x 2497 x 4495
Track:	12469 x 2497 x 4386	12469 x 2497 x 4386
Weight, dependent on equipment (t):	Trailer: ~ 19 Track: ~ 21	Trailer: ~ 21 Track: ~ 23
Throughput (dependent on material)		
Throughput performance (m³/h):	up to 240	up to 310



HYDRAULIC
DRUM SCREENS



5

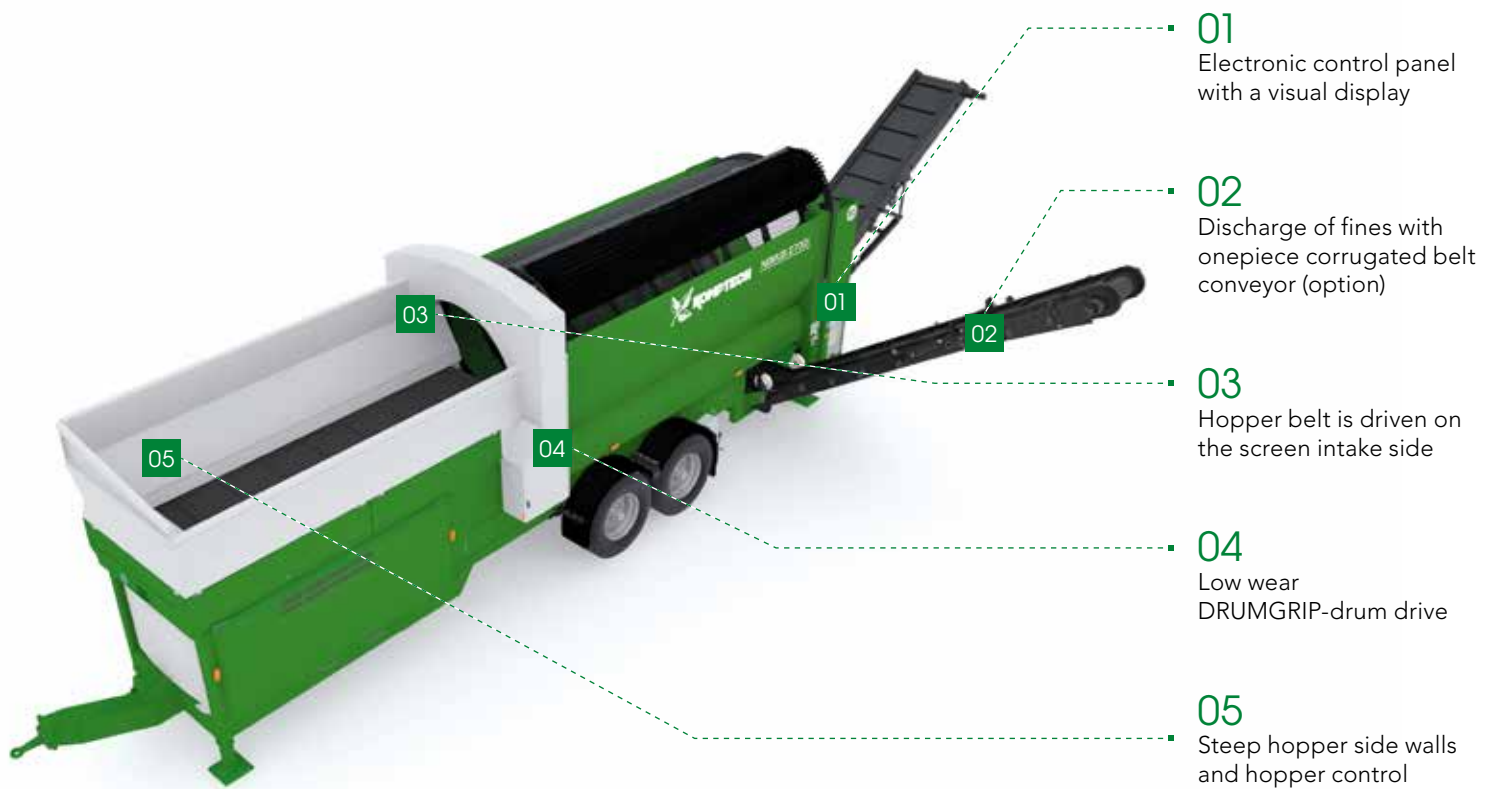
PRIMUS, MAXX AND NEMUS

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.



	PRIMUS	MAXX	NEMUS 2700
Drive			
Diesel engine (kW):	34	55	74
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):	2300	2500	3550
Fine fraction (mm):	2080	2150	3550
Dimensions L x W x H (mm)			
Transport dimensions			
Trailer:	9750 x 2550 x 4000	11250 x 2550 x 4000	12000 x 2550 x 4000
Semi-trailer:			11560 x 2550 x 4000
Track:			10500 x 3000 x 3900
Working dimensions			
Trailer:	11610 x 4810 x 3080	13300 x 5000 x 3750	14950 x 5970 x 3800
Semi-trailer:			14540 x 5970 x 3800
Track:			14347 x 6689 x 3900
Max. permissible weight (t):	9.0	16.0	17.0 22.0 (Track)
Throughput (dependent on material)			
Throughput performance (m ³ /h):	up to 70	up to 120	up to 170



ELECTRICAL
DRUM SCREENS



6

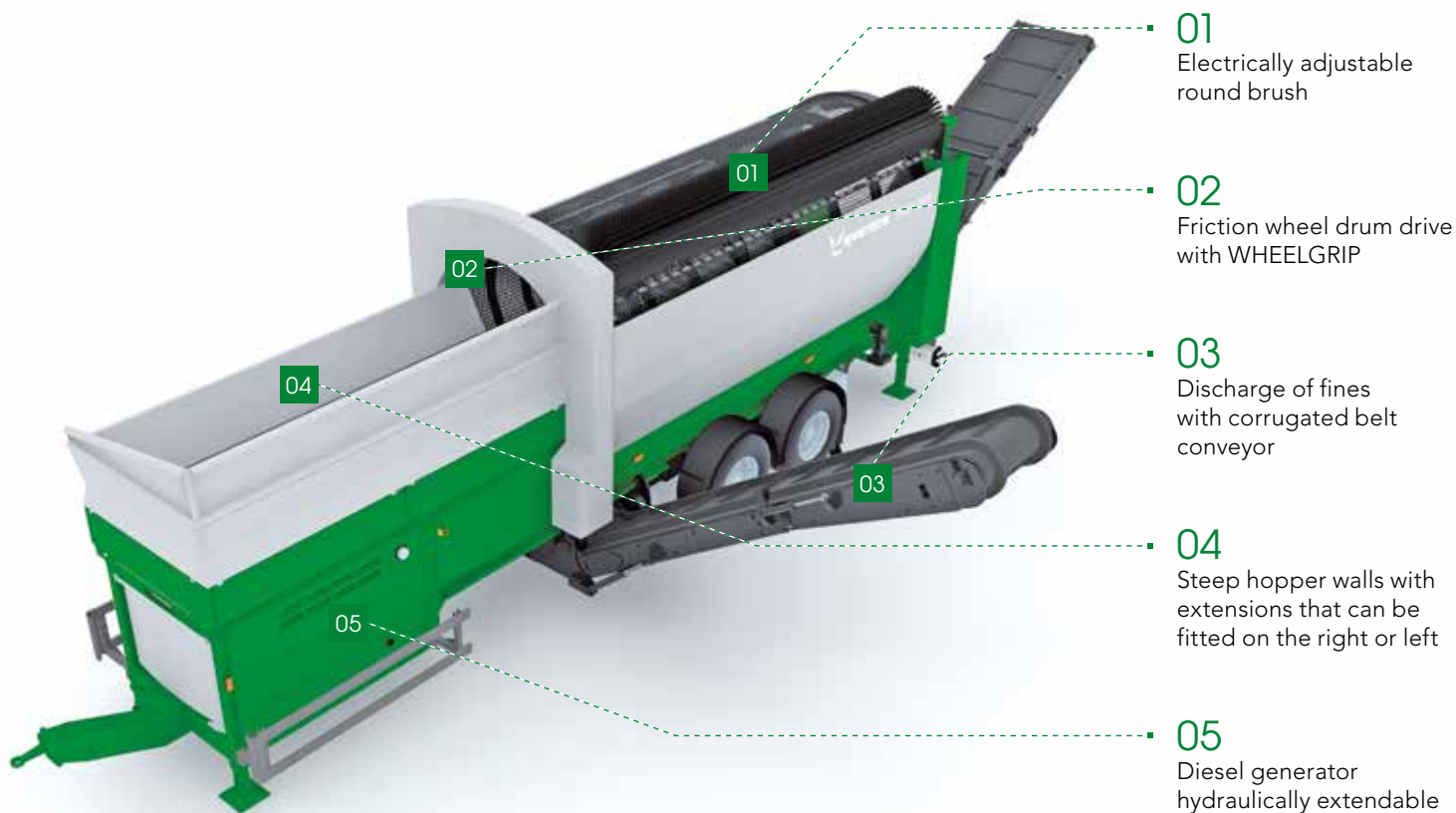
CRIBUS

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):	40	50	50
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			
Transport dimensions L x W x H (mm)			
Trailer:	10600 x 2550 x 4000	12000 x 2550 x 4000	
Semi-trailer:	9850 x 2550 x 4000	11600 x 2550 x 4000	13600 x 2550 x 4000
Working dimensions L x W x H (mm)			
Trailer:	14900 x 5000 x 4000	16300 x 6560 x 4000	
Selmi-trailer:	14175 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



MOBILE
OVERLENGTH RETURN



7

MULTISTAR ONE

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.



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



STAR SCREEN



8

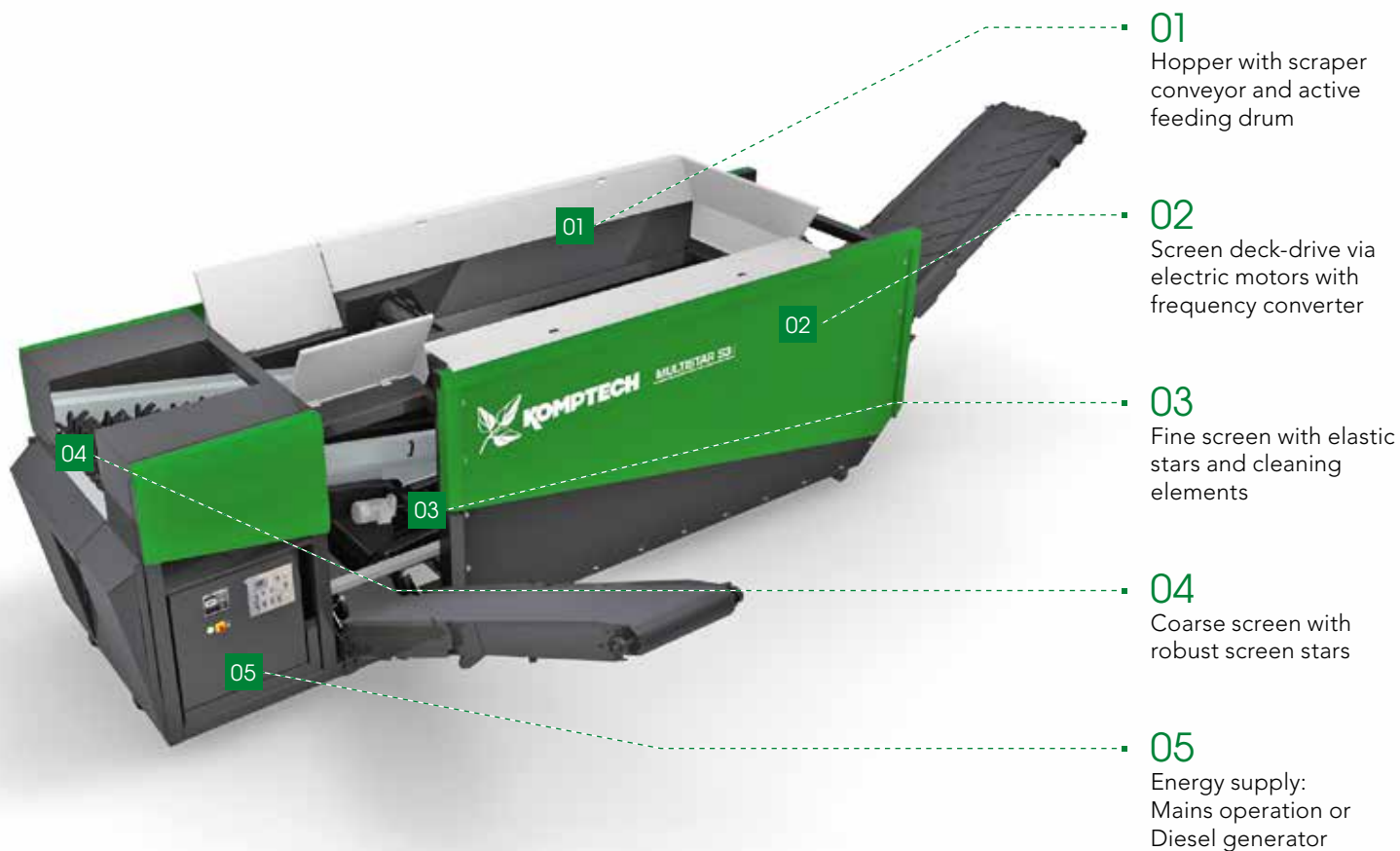
MULTISTAR S3

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 (m ³):			2.5 / 3.5 (option)
Filling length (mm):			3100
Filling height (mm):			2500 / 3000
Screen segments			
Coarse screen L x W (mm) / area (m ²):			2400 x 900 / 2.1
Fine screen L x W (mm) / area (m ²):			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 (Hook)	2926 (Trailer)	2821 (Semi-trailer)
Max. discharge height medium fraction (mm):	2900 (Hook)	3632 (Trailer)	3494 (Semi-trailer)
Max. discharge height fine fraction (mm):	2300 (Hook)	2714 (Trailer)	2905 (Semi-trailer)
Dimensions			
Transport dimensions L x W x H (mm)			
Hook:			8200 x 2450 x 2560
Trailer:			10002 x 2550 x 3399
Semi-trailer:			11198 x 2476 x 3639
Working dimensions L x W x H (mm)			
Hook:			11066 x 5542 x 3000
Trailer:			11222 x 6211 x 3810
Semi-trailer:			11198 x 5919 x 3688
Weight (t):	~ 10 (Hook)	~ 15 (Trailer)	~ 18 (Semi-trailer)
Throughput (dependent on material)			
Throughput performance (m ³ /h):			up to 100



STAR SCREEN



9

MULTISTAR L3

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 simplifies 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.



Drive	
Diesel generator (option, kVA):	60
Material feeding	
Hopper volume (m ³):	~ 7
Filling length (mm):	3750
Filling height (mm):	3450
Screen segments	
Coarse screen L x W (mm) / area (m ²):	3198 x 1200 / 3.85
Fine screen L x W (mm) / area (m ²):	5852 x 1250 / 7.3
Screen section	
Coarse particle (mm):	> 60.....90
Medium particle (mm):	10.....25 / 60.....90
Fine particle (mm):	0 / 10.....25
Material discharge	
Max. discharge height coarse fraction (mm):	2850
Max. discharge height medium fraction (mm):	3500
Max. discharge height fine fraction (mm):	3500
Dimensions	
Transport dimension L x W x H (mm)	
Trailer:	11500 x 2550 x 4000
Semi-trailer:	13600 x 2550 x 4000
Working dimension L x W x H (mm, conveyor belt 35°)	
Trailer:	13600 x 6500 x 4000
Semi-trailer:	17200 x 6500 x 4000
Weight (t):	~ 21.0
Throughput (dependent on material)	
Throughput performance (m ³ /h):	up to 250



STAR SCREENS



10

MULTISTAR XL3 / XXL2

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 extremely economically electric drive via diesel generator all ensure throughput. The end result: Unbeatably low operating costs at full production.



	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		
Transport dimensions L x W x H (mm):	11900 x 2500 x 4000	13700 x 2550 x 3900
Working dimensions L x W x H (mm):	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



WIND SIFTER



11

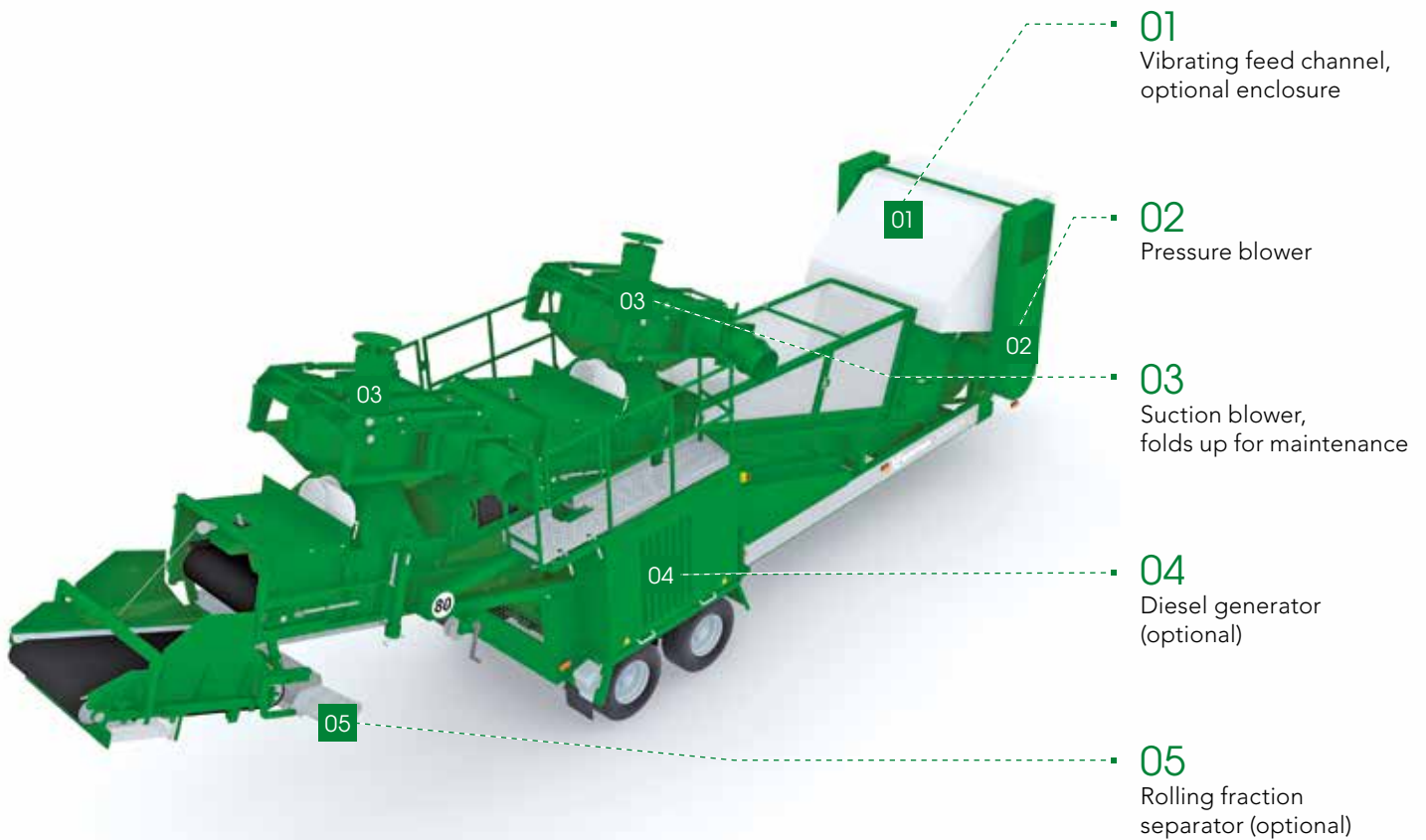
HURRIKAN HURRIKAN S

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.



	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 height (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



STONE SEPARATOR

STONEFEX

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



NON-FERROUS AND
FERROUS METAL SEPARATOR



13

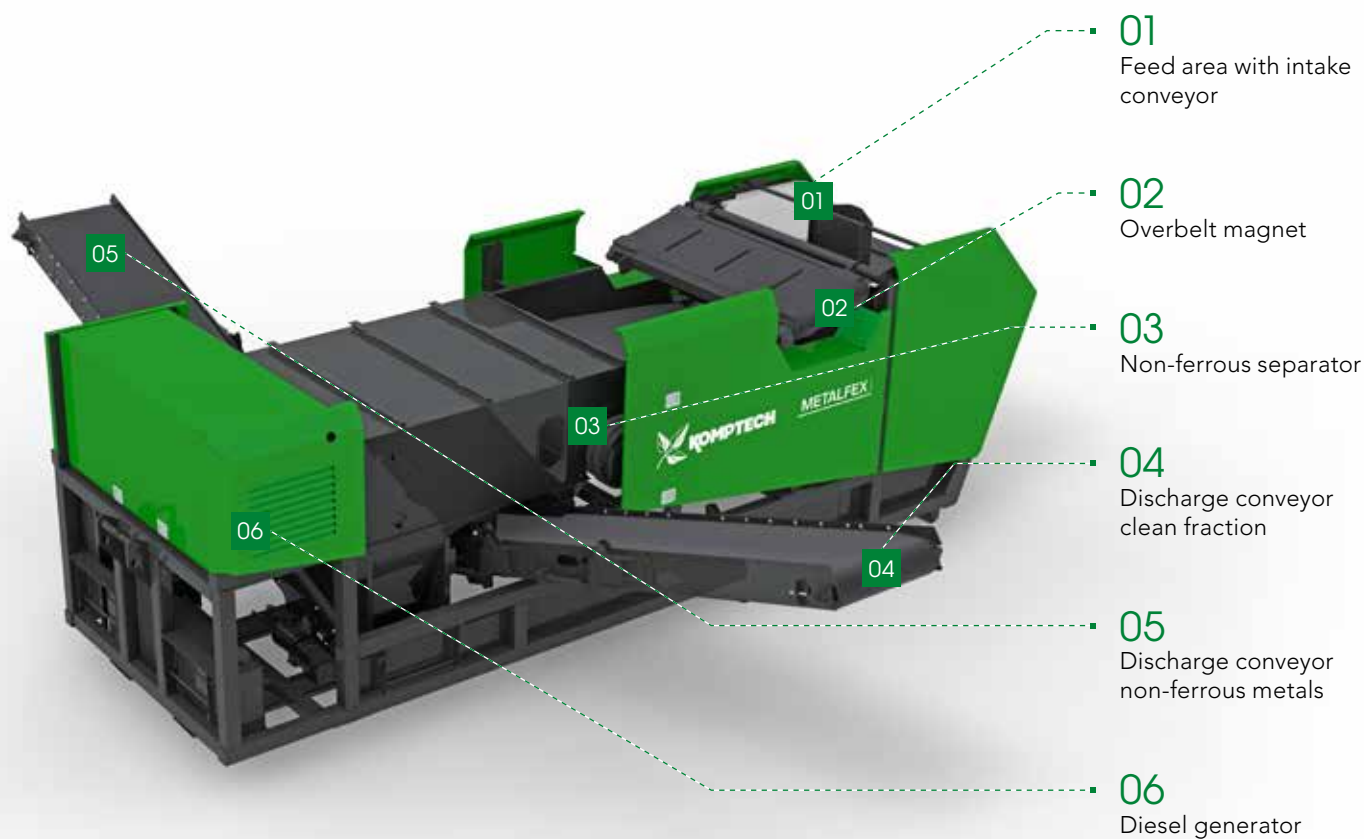
METALFEX

HIGHLIGHTS

- » Tough construction for up to 300 mm grain materials
- » High-performance non-ferrous separator unit with 1.95 m working width
- » Optional overhead ferrous separator
- » Efficient electric drive by diesel generator or grid power
- » Flexible mobility: hook, trailer or job-site chassis

The Metalfex adds a mobile non-ferrous metal separator to the Komptech line. Designed for conveyor feed, the Metalfex has its own intake conveyor and an overhead ferrous separator upstream of non-ferrous separation. It removes non-ferrous metals using an eddy current separator with eccentric pole system, discharging the metals and the cleaned fraction by two folding conveyors to the left and right of the machine.

All components are electrically powered, from the on-board diesel generator or from grid current. The Metalfex is available in compact hook lift, easily manoeuvrable two-axle trailer or mobile site chassis versions.



Drive		
Diesel generator (kVA):		20
Material feeding		
Filling width (mm):		1600
Filling height (mm):		Hook: 1975 (2475 with supports) Trailer: 2975
Non-ferrous separation		
Type:		Eddy current separator, type Eccentric pole system
Working width (mm):		1950
Ferrous separation		
Type:		Over belt magnet, type Neodym
Belt width (mm):		600
Material discharge		
Max. discharge height non-ferrous fraction (mm):		Hook: 2300 (2800 with supports) Trailer: 3155
Max. discharge height clean fraction (mm):		Hook: 2300 (2800 with supports) Trailer: 3155
Dimensions		
Transport dimensions L x W x H (mm)		
Hook:		8185 x 2550 x 2600
Trailer:		10510 x 2550 x 3455
Working dimensions L x W x H (mm)		
Hook:		8244 x 9050 x 2600
Trailer:		10510 x 9050 x 3455
Weight (t) (dependent on equipment):		Hook: ~ 11.5 Trailer: ~ 15
Throughput (depending on material)		
Throughput performance (m ³ /h):		up to 160



TURNER FOR
TRIANGULAR WINDROWS



14

TOPTURN X

HIGHLIGHTS

- » Large-dimensioned turning drum for high throughput and complete mixing
- » Wheel drive or Track drive
- » Comfortable cabin with a lot of space and 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

Buildout of the new Topturn X series continues. With a windrow width of 4.5 m, the Topturn X4500 is just the right size as a starter turner for smaller composting operations. A step up is the Topturn X5000, the perfect machine for the widespread 5 m windrow width. The new Topturn X6000 heads up the series. With 310 kW engine power, it's the ideal compost turner for windrows up to 6 m wide and 2.6 m high.

With a sturdy frame, powerful hydraulics and large drum, the Topturn X is ready to handle any work situation. There is a choice of two power levels for the smaller models. A comfortable cabin with lifting function and roomy maintenance platforms that fold out hydraulically are further plus points. On request, additional options such as watering by a hose system, a patented scraper device for getting the lowermost ground layer and a fast version for quick manoeuvring are available.



01
Spacious comfortable cabin with lift function

02
Diesel engine in various output levels
X4500: 151/205 kW
X5000: 205/250 kW
X6000: 310 kW

03
Service steps and platform simplify maintenance

04
Large-scale drum with double-use blades

05
Massive plough blades for reliable track cleaning

	X4500	X5000	X6000
Drive			
Diesel engine:	CAT® C7.1 T4 F/StageV or T3/Stage IIIA	CAT® C7.1/ CAT® C9.3B T4 F/StageV or T3/Stage IIIA	CAT® C9.3B T4F/StageV or T3/Stage IIIA
Power (kW / HP):	151/205 or optional 205/278	205/278 or optional 250/340	310/420
Turning unit			
Turning drum diameter (mm):	1200	1200	1400
Turning drum rpm:	0-195	0-195	0-208
Windrow dimensions			
Windrow width (mm):	4500	5000	6000
Max. windrow height (mm):	2200	2200	2600
Windrow cross-section at 45° repose angle (m²):	5.1	6.1	8.9
Travelling speeds (I standard, II optional)			
Wheel (km/h):	I: 0-4 II: 0-6	I: 0-4 II: 0-6	I: 0-4 II: 0-6
Track (km/h):	I: 0-4	I: 0-4	I: 0-3.5
Dimensions L x B x H			
Transport dimensions Wheel (mm):	4851 x 2996 x 3319	5357 x 2996 x 3324	6357 x 2996 x 3660
Transport dimensions Track (mm):	4851 x 2550 x 3288	5357 x 2550 x 3293	6357 x 2550 x 3635
Working dimensions Wheel (mm):	4484 x 5080 x 3606 (+380)	4484 x 5580 x 4056 (+380)	4484 x 6577 x 4456 (+380)
Working dimensions Track (mm):	4126 x 5080 x 3645 (+380)	4124 x 5580 x 4025 (+380)	4248 x 6577 x 4415 (+380)
Weight			
Wheel (t):	~ 14.5	~ 16.0	~ 19.5
Track (t):	~ 15.0	~ 16.5	~ 20
Throughput (dependent on material)			
Throughput performance (m³/h):	up to 3000	up to 4000	up to 5000



TURNER FOR
TRIANGULAR WINDROWS



15

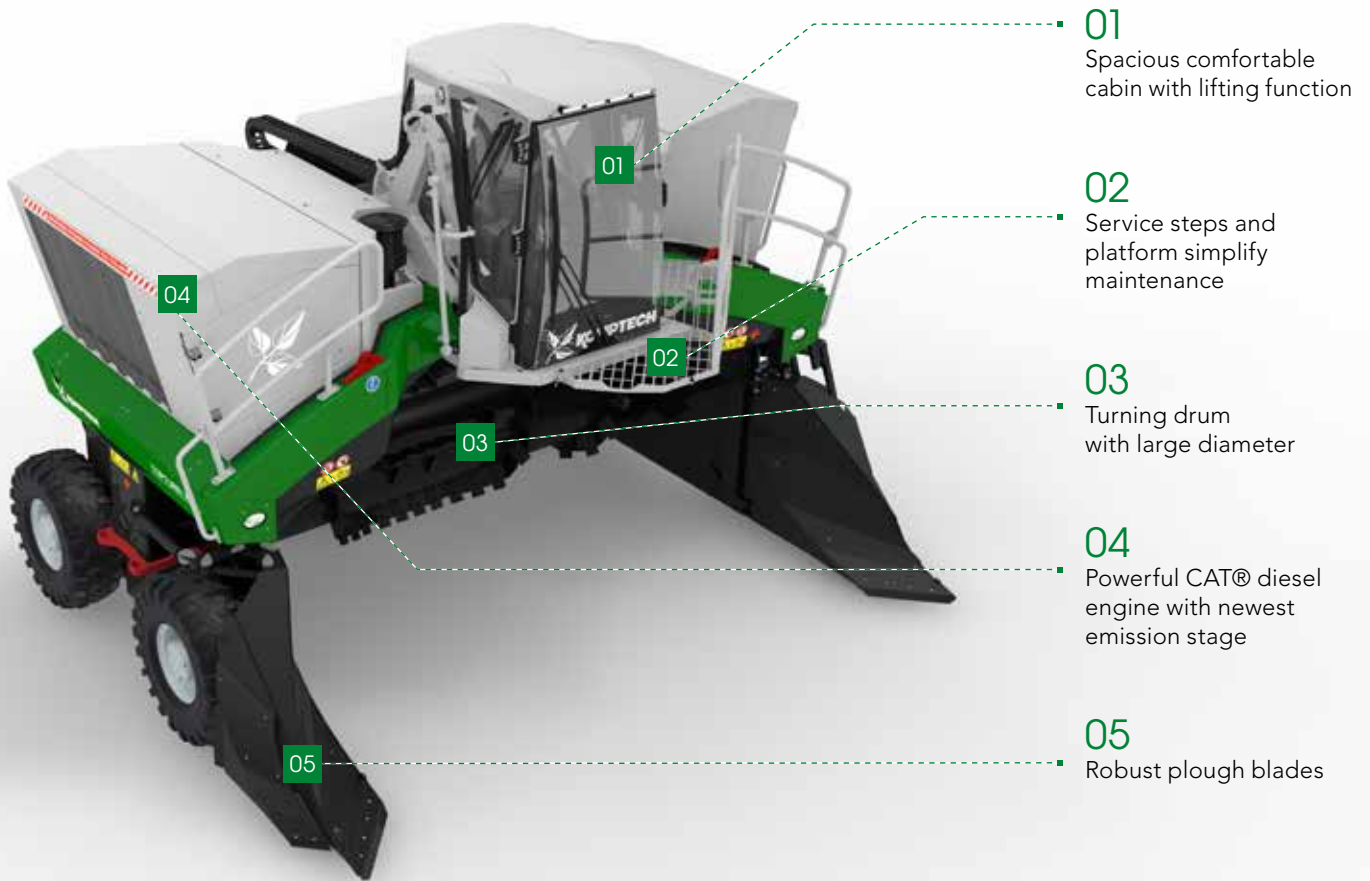
TOPTURN X63

HIGHLIGHTS

- » Large-dimensioned turning drum for high throughput and complete mixing
- » Wheel drive or Track drive
- » Comfortable cabin with a lot of space and intuitive controls
- » Easy maintenance access with ladders and platforms integrated in the body

The self-propelled windrow turner Topturn X63 is designed for the most demanding tasks. Equipped with 390 HP and with an intake width of 5.7 metres the X63 achieves a turning capacity of up to 4500 cubic metres per hour. The engine meets the latest emissions standards and the powerful cooling system keeps everything cool even under heavy loads and high outside temperatures. The combination of large drum with conveyor and thrower blades and the powerful drive ensures that the turner leaves the perfect windrow behind it as it goes.

Further plus points are the large, comfortable cabin and the automatic drive for relaxed working, and the hydraulically extendible maintenance platforms for fast and easy maintenance. On request, additional options such as Watering by a hose system, a patented scraper device for getting the lowermost ground layer and a fast version for quick maneuvering are available. An optional lateral displacement device ensures optimal use of space.



01
Spacious comfortable cabin with lifting 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

X63

Drive	
Diesel engine:	CAT® C13 T4 F/Stage V or T3/Stage IIIA
Power (kW / HP):	287 / 390
Turning device	
Drum diameter (mm):	1400
Drum rpm:	0-195
Windrow dimensions	
Windrow width (mm):	5700 / 6000
Max. windrow height (mm):	2800
Windrow cross-section at 45° repose angle (m²):	8.1
Travelling speeds (I standard, II optional)	
Wheel (km/h):	I: 0-4 II: 0-6
Track (km/h):	I: 0-4
Dimensions L x W x H	
Transport dimensions Wheel:	6155 x 2996 x 3635
Transport dimensions Track:	6155 x 2548 x 3607
Working dimensions Wheel:	4303 x 6091 x 4815
Working dimensions Track:	3973 x 6003 x 4780
Weight	
Wheel (t):	~ 18.0
Track (t):	~ 18.7
Throughput (dependent on material)	
Throughput performance (m³/h):	up to 4500

TECHNOLOGY FOR A BETTER ENVIRONMENT



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