



# Special machines

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## schliesing Quality

Quality, safety and innovation: for more than 30 years we have been manufacturing high-quality wood chippers for professional uses in gardening and landscaping, for cities and communities, as well as for companies active in the fields of agriculture, forestry and tree care. All machines are produced at our company's registered office in Kempen on the Lower Rhine: 100% Made in Germany! Always true to our motto: **Made by professionals for professionals!** 

#### PRECISION FOR PROFESSIONALS

- Best in quality, in design, manufacturing and service
- Selection of our suppliers based on the most stringent criteria
- Preservation of our know-how for the future by qualifying young people in our own factory
- Highest emphasis on work safety
   (e. G. SAFEchip and WhisperCut®)
- 100% Made in Germany

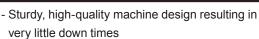
#### WHISPERCUT®

- Patented cutting system with V-shaped blade positions, proven in the field for many years
- Reduction of the sound pressure level by up to 30%
- Service life extension of the blades by up to 40%
- Safer, more uniform feeding characteristics as compared to conventional blade systems
- WhisperCut® optionally available for nearly all schliesing wood chipper models

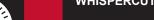
#### **PARTNERSHIP AND SERVICE**

- European-wide dealer network for service, maintenance and repairs
- Frequent demonstrations of our machines as well as permanent training of our employees, dealers and suppliers
- Guaranteed spare parts' availability for a period of 10 years from date of purchase
- Prompt spare parts' delivery (standard parts ordered by 14:00 hours will be dispatched on the same day)
- Simple and optimised maintenance of the machines

#### LOW TOTAL COST OF OWNERSHIP



- Long service life and intrinsic value of schliesing machines
- Simple, quick and safe replacement of blades and other wear parts
- Systems to reduce wear parts' consumption (blades in particular)
- Latest, optimised diesel engines





## 235 MXRS / 300 MXRS

Feed width 240 mm

Weight ca. 1,600 kg

Feed hopper 1,020 x 940 mm

Currently more than 1,000 machines of type 235 in use



schliesing wood chippers comply with the safety regulations of DIN EN 13525. The diesel engines installed exceed the exhaust emission standards of EU 97/68 / III A

- Machine on tracks, based on the engine-driven model 235 MX, which, in its third generation has been in professional use for more than 20 years
- Universal, durable, reliable and optimised for maintenance
- Professional high-quality, hydraulic track bed with extra-wide tracks and gauge
- WhisperCut® option: Low-noise with reduced operating costs
- Many further options available

#### **ENGINE AND CHASSIS**

- 235 MXRS: 4-cylinder Kubota diesel engine (25.7 kW / 35 hp)
- 300 MXRS: 4-cylinder Kubota turbo-diesel engine (33 kW / 45 hp)
- Easily accessible engines optimised for maintenance
- Industrial freewheel clutch, automatically engaging between the engine and the chipping disk
- Power Control System incl. minutes counter (optional)
- Professional, high-quality track bed as used in construction machines
- Extra-wide tracks (230 mm) for efficient propulsion and stability
- Total track width: 1,200 mm
- Speeds: 2.7 km/h or 5.5 km/h
- Sturdy 2-lever control

#### MACHINE BODY / FEED HOPPER / DISCHARGE CHUTE

- Turning discharge chute on ball bearing flange with adjustable deflector (as per GS standard)
- Many components in exposed positions galvanized
- Sound insulation of relevant machine parts (hood in particular)
- Folding roll-over bar optionally available
- Feed hopper with flap as per CE standards, 1,500 mm feeding depth
- Change of colour optional
- Choice of two discharge chute lengths optionally adaptable

#### **CHIPPER UNIT**

- Infinitely variable setting of the chip size (5 25 mm)
- 2-blade chipping disk with continuously adjustable blades that can be resharpened multiple times for a high service life
- Enclosed cutting system for a quick, safe and exact blade change
- Horizontal anvils and vertical blades can be used twice each resulting in a long service life
- Excellent protection against entangling at the main bearing of the chipping disk
- Chipping unit equipped with safety circuit conforming to EN 13525

- Separate hydraulic circuit
- PowerGrip feed rollers with hydraulic forced feeding and two separate oil motors for an aggressive and uniform feeding of material, while preventing branches from lashing out to the left and right
- Parallel-guided upper feed roller for a uniform and continuous feeding of material (no wedging of the material)
- Oil level indicator for hydraulic oil tank
- Optional: SAFEchip safety circuit

## 235 MXRH / 300 MXRH

Feed width 240 mm

Weight ca. 1,900 kg

Feed hopper 1,020 x 940 mm

Currently more than 1,000 machines of type 235 in use



schliesing wood chippers comply with the safety regulations of DIN EN 13525. The diesel engines installed exceed the exhaust emission standards of EU 97/68 / III A

- Machine on hydraulic track bed, based on the engine-driven model 235 MX, which, in its third generation, has been in professional use for more than 20 years
- Serially equipped with hydraulically adjustable track beds for slope compensation (inclines of up to 30° possible); each track individually controlled (horizontally & vertically)
- WhisperCut® option: Low-noise with reduced operating costs
- Many further options available

#### **ENGINE AND CHASSIS**

- 235 MXRH: 4-cylinder Kubota diesel engine (25.7 kW / 35 hp)
- 300 MXRH: 4-cylinder Kubota turbo diesel engine(33 kW / 45 hp)
- Optimised maintenance thanks to easily accessible engines
- Industrial freewheel clutch, automatically engaging between the engine and the chipping disk
- Power Control System incl. minutes counter (optional)
- Professional, high-quality track bed as used in construction machines
- Extra-wide tracks (230 mm) for efficient propulsion and stability
- Ground clearance: 335 640 mm, hydraulically adjustable
- Track width: 1,200 1,690 mm, hydraulically adjustable
- Speeds: 2.7 km/h or 5.5 km/h
- Sturdy 2-lever control

#### MACHINE BODY / FEED HOPPER / DISCHARGE CHUTE

- Turning discharge chute on ball bearing flange with adjustable deflector (as per GS standard)
- Many components in exposed positions galvanized
- Sound insulation of relevant machine parts (hood in particular)
- Folding roll-over bar optionally available
- Feed hopper with flap as per CE standards, 1,500 mm feeding denth
- Change of colour optional
- Choice of two discharge chute lengths optionally adaptable

#### CHIPPER UNIT

- Infinitely variable setting of the chip size (5 25 mm)
- 2-blade chipping disk with continuously adjustable blades that can be resharpened multiple times for a high service life
- Enclosed cutting system for a quick, safe and exact blade change
- Horizontal anvils and vertical blades can be used twice each resulting in a long service life
- Excellent protection against entangling at the main bearing of the chipping disk
- Chipping unit equipped with safety circuit conforming to EN 13525

- Separate hydraulic circuit (incl. slope compensation)
- PowerGrip feed rollers with hydraulic forced feeding and two separate oil motors for an aggressive and uniform feeding of material, while preventing branches from lashing out to the left and right
- Parallel-guided upper feed roller for a uniform and continuous feeding of material (no wedging of the material)
- Oil level indicator for hydraulic oil tank
- Optional: SAFEchip safety circuit

### 400 U

Wood diameters of up to 21 cmFeed width 270 mm

Weight ca. 980 kg

**↔** Feed hopper 1,320 x 930 mm

PS) Drive 75-147 kW (100-200 PS)

Middle class for Mercedes Benz Unimog



schliesing wood chippers comply with the safety regulations of DIN EN 13525.

- Specially designed, compact front-mount for all Unimog models
- High projection speed to reach the flatbed (no turbine required)
- Thick sheet steel material for heavy-duty use
- WhisperCut® option: Low-noise with reduced operating costs

#### DRIVE AND MOUNT

- PTO-driven Unimog front mount (choice of PTO sizes)
- PTO shaft standard equipped with freewheel clutch
- Friction clutch standard
- Power Control System with/without minutes counter optionally available
- Removable support legs standard
- Central lubrication system optionally available
- Road lights conforming to StVZO (shock-protected) standard
- Counterbalance weight required

#### MACHINE BODY / FEED HOPPER / DISCHARGE CHUTE

- Turning discharge chute on ball bearing flange with adjustable flap (as per GS standard)
- Many components in exposed position galvanised
- Sound insulation of relevant machine parts (hood in particular)
- Feed hopper with flap as per CE standards, 1,500 mm feeding depth
- Change of colour optional
- Discharge chute length can be optionally adapted (e. g., to feed onto a flatbed or trailer)

#### **CHIPPING UNIT**

- Infinitely variable setting of the chip size (5 25 mm)
- 2-blade chipping disk with continuously adjustable blades that can be re-sharpened multiple times for a high service life
- Enclosed cutting system for a quick, safe and exact blade change
- Horizontal anvils can be used four times and vertical blade twice for a high service life
- Excellent protection against entangling at the main bearing of the chipping disk
- Chipping unit with safety circuit conforming to EN 13525

- Separate hydraulic circuit
- PowerGrip feed rollers with hydraulic forced feeding and two separate oil motors for an aggressive and uniform feeding of material, while preventing branches from lashing out to the left and right
- Parallel-guided upper feed roller for a uniform and continuous feeding of material (no wedging of the material)
- Optional: SAFEchip safety circuit

## <u>550 U</u>

Feed width 340 mm

Weight ca. 1,420 kg

Feed hopper 1,400 x 940 mm

PS) Drive 104 – 177 kW (140 – 240 PS)

**Top end for Mercedes Benz Unimog** 



schliesing wood chippers comply with the safety regulations of DIN EN 13525.

- Specially designed, compact front mount for all Unimog models with a gross vehicle weight of at least 9.5 metric tons
- For the most demanding tasks standard equipped with a 3-blade chipping disk
- High projection speed to reach the flatbed (no turbine required)
- Discharge chute on passenger side (no line-of-sight obstruction for the driver)
- Standard-equipped with cooling system for the hydraulics of the vehicle and the wood chipper

#### **DRIVE AND MOUNT**

- PTO-driven Unimog front mount (choice of PTO sizes)
- Heavy-duty PTO shaft standard equipped with freewheel clutch
- Friction clutch standard
- Power Control System with/without minutes counter (option)
- Removable support legs standard
- Standard equipped with cooling system for the hydraulics of the vehicle and the wood chipper
- Central lubrication system optionally available
- Road lights conforming to StVZO (shock-protected) standard
- Counterbalance weight required

#### MACHINE BODY / FEED HOPPER / DISCHARGE CHUTE

- Turning discharge chute on ball bearing flange with adjustable flap (as per GS standard)
- Many components in exposed position galvanised
- Sound insulation of relevant machine parts (hood in particular)
- -Feed hopper with flap as per CE standards, 1,500 mm feeding depth
- Change of colour optional
- Discharge chute length can be optionally adapted (e. g., to feed onto a flatbed or trailer)

#### **CHIPPING UNIT**

- Infinitely variable setting of the chip size (5 25 mm)
- 3-blade chipping disk with continuously adjustable blades that can be re-sharpened multiple times for a high service life
- Enclosed cutting system for a quick, safe and exact blade change
- Horizontal anvils and vertical blade can be used four times for a high service life
- Excellent protection against entangling at the main bearing of the chipping disk
- Chipping unit with safety circuit conforming to EN 13525

- Supply of the hydraulic circuit via the carrier vehicle
- PowerGrip feed rollers with hydraulic forced feeding and two separate oil motors for an aggressive and uniform feeding of material, while preventing branches from lashing out to the left and right
- Parallel-guided upper feed roller for a uniform and continuous feeding of material (no wedging of the material)
- Optional: SAFEchip safety circuit

## 105 ZX Multicar

Feed width 200 mm

Weight ca. 440 kg

Feed hopper 865 x 720 mm

(bar) Drive 50-60 I/min. at 200 bar



schliesing wood chippers comply with the safety regulations of DIN EN 13525.

- Front-mount wood chipper for Multicar models M 26, M 27, M 30 FUMO and TREMO
- schliesing is exclusive wood chipper supplier Multicar models
- Moderately priced model with proven schliesing quality
- Compact and lightweight

#### **DRIVE AND MOUNT**

- Hydraulically driven front-mount model
- Standard equipped with friction coupling
- Power Control System with optional minutes counter
- Lightweight, sturdy and detachable frame
- Central lubrication system optionally available

#### MACHINE BODY / FEED HOPPER / DISCHARGE CHUTE

- Turning discharge chute with adjustable flap (conforming to GS standards)
- Sound insulation of relevant machine parts (hood in particular)
- Feed hopper with flap as per CE standards, 1,500 mm feeding depth
- Change of colour optional

#### **CHIPPING UNIT**

- Infinitely variable setting of the chip size (5 25 mm)
- 2-blade chipping disk with continuously adjustable blades that can be re-sharpened multiple times for a high service life
- Enclosed cutting system for a quick, safe and exact blade change
- Horizontal anvils can be used twice for a high service life
- Excellent protection against entangling at the main bearing of the chipping disk
- Chipping unit with safety circuit conforming to EN 13525

#### HYDRAULIC FEEDING

- Separate hydraulic circuit
- Non-slip feed rollers with hydraulic forced feeding and two separate oil motors
- Parallel-guided upper feed roller for a uniform and continuous feeding of material (no wedging of the material)
- Optional: SAFEchip safety circuit

## 550 ZX Forst

<b>⊖</b> Wood diameters of u	p to 30 cm
Feed width	340 mm
<b>Weight</b>	ca. 1,650 kg
Feed hopper	1,.600 x 1,310 mm

PTO-driven machine specifically suited for crane feeding and high volumes



schliesing wood chippers comply with the safety regulations of DIN EN 13525.

Available with various crane systems and accessories (modular system)

89-147 kW (120-200 hp)

- For heavy-duty tasks serially equipped with 3-blade cutting disk, lowered feed hopper and massively reinforced components (frame and feed hopper)
- Easily processes wood quantities of 25 m³/h
- Standard equipped with remote control for 1-man operation (radio remote control optionally available)
- Upper feed roller with auxiliary transmission to increase the feeding force (by up to 400%)

#### **DRIVE AND PONTON**

**Drive** 

- Rear 3-point lift (1,000 rpm)
- Heavy-duty PTO shaft with freewheel clutch standard
- Friction coupling at the PTO shaft standard
- Power Control System and minutes counter optionally available
- Modular system incl. crane, accessories, such as radio remote control and special support upon request
- Remote control for safety circuit standard
- Radio remote control for safety circuit optionally available
- Central lubrication system optionally available

#### MACHINE BODY / FEED HOPPER / DISCHARGE CHUTE

- Turning discharge chute on ball bearing flange with adjustable flap (as per GS standard)
- Sound insulation of relevant machine parts (hood in particular)
- Special reinforced frame and feed hopper for maximum strain
- Lowered feed hopper to accept logs and to go easy on the material
- Change of colour optional
- Choice of two standard discharge chute lengths, optionally adaptable

#### CHIPPING UNIT

- Infinitely variable setting of the chip size (5  $-\,25$  mm)
- 3-blade chipping disk with continuously adjustable blades that can be re-sharpened multiple times for a high service life
- Enclosed cutting system for a quick, safe and exact blade change
- Horizontal anvils and vertical blade can be used four times for a high service life
- Excellent protection against entangling at the main bearing of the chipping disk
- Chipping unit with safety circuit conforming to EN 13525

- Separate hydraulic circuit
- PowerGrip feed rollers with hydraulic forced feeding and two separate oil motors for an aggressive and uniform feeding of material, while preventing branches from lashing out to the left and right
- Auxiliary transmission to increase the feeding force (by up to 400%)
- Parallel-guided upper feed roller for a uniform and continuous feeding of material (no wedging of the material)
- Level indicator for hydraulic oil tank

# schliesing WhisperCut®

- Internationally patented cutting system, registered as a brand
- Established and proven on the market for over 15 years
- V-shaped blade positions ensure a more uniform feeding of the material towards the centre with fewer vibrations.
   No lashing out of the wood – increased work safety
- Noise level reduction by up to 30%
- Service life of the blades increased by up to 40% and wider spaced service intervals result in low operating costs
- Optionally available for nearly all schliesing wood chippers



V-shaped blade positions for noise level reduction, a more uniform feeding of the material and the reduction of operating costs

Available for nearly all wood chipper models of the **schliesing** product ranges engine-driven, PTO-driven and special machines

# SAFEchip safety technology

#### Recommended by the Gardening Employer's Liability Insurance Association

- Contactless protection system working with an electromagnetic field
- The sender (transponder) is carried inside the ear protection
- If approached too closely, the feed rollers will automatically stop, thus preventing accidents
- Proven in everyday use and judged positively by the operators
- Seamlessly fits into the work flow
- Quick-test unit for the battery status included in the delivery



When entering the electromagnetic field generated by the sending / receiving unit, the feed rollers are instantly stopped

## Hydraulic PowerGrip feed rollers

- PowerGrip feed rollers with curved steel cotters
- Secure seizing of large-diameter wood and crushing of crutches
- The hydraulic forced feeding with two separate oil motors (one per feed roller) warrants an aggressive and uniform feeding operation
- This system prevents branches from lashing out to the left and right: increased work safety
- Parallel guidance of the upper feed roller: prevents a jamming of the fed material and minimizes wear and tear of the drive shafts
- Model 550 MX is standard equipped with a torque multiplication transmission at the upper feed roller: increase of the feeding force of up to 400%



## Overview

	235/300 MXRS	235/300 MXRH		
CORE DATA TRACKED MACHINES				
Wood diameters of up to	19 cm	19 cm		
Feed width	240 mm	240 mm		
Feed hopper dimensions: Width x Height (mm)	1,020 x 940	1,020 x 940		
Chipping disk: Diameter x Thickness (mm)	660 x 35	660 x 35		
Weight (basic machine)	ca. 1,600 kg	ca. 1,900 kg		
ENGINE				
Manufacturer	Kubota	Kubota		
Тур	4-cyl., diesel / 4-cyl., turbo-diesel	4-cyl., diesel / 4-cyl., turbo-diesel		
Engine power	25,7 kW (35 hp) / 33,0 kW (45 hp)	25,7 kW (35 hp) / 33,0 kW (45 hp)		
Water-cooled engine	•	•		
Industrial freewheel clutch				
Power Control (el. overload protection) incl. minutes counter	0	0		
TRACK BEDS				
Hydraulic professional track bed				
Extra-wide tracks (230 mm)	•	-		
Sturdy 2-lever control	-	-		
Speed	2,7 km/h oder 5,5 km/h	2,7 km/h oder 5,5 km/h		
Hydraulic slope compensation up to 30° grade		<u> </u>		
Track beds for individual control (horizontal & vertical)	_	•		
Track gauge	1,200 mm	1,200 – 1,690 mm		
	1,200	.,		
FEED HOPPER / MACHINE BODY				
Feed hopper with flap as per CE standard	•	•		
Turning discharge chute as per EN	•	•		
Adjustable discharge chute flap	•	•		
Discharge chute on ball bearing flange	•	•		
Folding roll-over bar	0	0		
Sound insulation	•	•		
Machine parts in exposed positions galvanized	•			
CHIPPING UNIT				
PowerGrip feed rollers	•	•		
Parallel-guided upper feed roller	•			
Enclosed blade system		•		
2-blade cutting disk		•		
WhisperCut® V-blade system	0	0		
Infinitely variable chip size adjustment (5-25 mm)	•	•		
Multiple use of anvils (horizontal/vertical)	•	•		
Protection against entangling at the chipping disk	•			
Safety circuit as per EN 13525	•	•		
SAFEchip safety circuit	0	0		
HYDRAULIC SYSTEM				
Separate hydraulic circuit	•			
Hydraulic drive of track beds				
Hydraulic drive of track beds Hydraulic slope compensation of up to 30°	_	•		
•	-			
Hydraulic slope compensation of up to 30°				
Hydraulic slope compensation of up to 30° Feed rollers with hydraulic forced feeding	•			

<sup>■</sup> standard O optionally available — not available

	400U	550U	<b>105ZX</b> Multicar	<b>550ZX</b> Forst
CORE DATA TRACKED MACHINES				
Wood diameters of up to	21 cm	30 cm	13 cm	30 cm
Feed width	270 mm	340 mm	200 mm	340 mm
Feed hopper dimensions: Width x Height (mm)	1,320 x 930	1,400 x 940	865 x 720	1,600 x 1,310
Chipping disk: Diameter x Thickness (mm)	800 x 40	950 x 45	600 x 25	950 x 45
Weight (basic machine)	ca. 980 kg	ca. 1,420 kg	ca. 440 kg	ca. 1,650 kg
ENGINE				
Required power		104–177 kW (140–240 hp)	50-60 I/min at 200 bar	89–147 kW (120–200 hp)
Front mount for Mercedes Benz Unimog				
3-point front lift for Multicar, hydraulic				
3-point rear lift (1,000 rpm) for automated loading				
PTO shaft with freewheel clutch				•
Heavy-duty PTO shaft	-	•	-	
Friction coupling	•	•	•	•
Power Control (el. overload protection)	0	0	0	0
Central lubrication system	0	0	0	0
Remote control for 1-man operation	_	_	-	•
MOUNT				
Detachable support legs / frame	•	•	•	_
Road lights as per StVZO (shock-protected)	•	•	_	_
Modular crane and accessories (upon request)	-	_	_	0
FEED HOPPER / MACHINE BODY				
Feed hopper with flap as per CE standard				_
Lowered feed hopper for mechanical loading	_	_	_	
Turning discharge chute as per EN				_
Adjustable discharge chute flap		•		
Discharge chute on ball bearing flange		-	_	_
Sound insulation	-			-
Massively reinforced frame and feed hopper				•
CHIPPING UNIT				
PowerGrip feed rollers			_	
Parallel-guided upper feed roller	•	•		•
Auxiliary transmission for upper feed roller to enhance the feeding force	_	<del>-</del>	_	
Enclosed blade system				
2-blade cutting disk		_		_
3-blade cutting disk	-		_	
WhisperCut® V-blade system	0	_	_	_
Infinitely variable chip size adjustment (5-25 mm)		•		
Multiple use of anvils (horizontal/vertical)				
Protection against entangling at the chipping disk				
Safety circuit as per EN 13525				_
SAFEchip safety circuit	0	0	0	0
HYDRAULIC SYSTEM				
Separate hydraulic cycle		-		
Use of carrier vehicle's hydraulic circuit	-	•	_	_
Cooling system for hydraulic circuit of vehicle and chipper	-	•	_	_
Feed rollers with hydraulic forced feeding				
Separate oil motor per feed roller				
Hydraulic chip size adjustment				•
Level indicator for hydraulic tank	_	-	-	

## **Contact**

#### **SPARE PARTS**

For spare parts' shipment on the same day you may reach us by phone:

Tel. + 49 (0) 2152 9140 - 35

Mo - Th 8 am - 2 pm, Fr 8 am - 11 am

Apart from these times you can reach us by fax and email:

Fax + 49 (0) 2152 9140 - 51

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