

Biomass Processor



INT



JENZ

Whether its garden cuttings, scrap wood, roots or biogas substrates – the JENZ biomass processor deployment sites are extremely varied.

The machines create output material which can be used in large heating installations when processing **garden cuttings** and **organic waste**. Depending on their design, other processing stages (screening, re-crushing) can also be necessary beforehand.

Whether for further processing in the wood-based materials industry or as a high-quality fuel, the processing of **waste wood** is versatile. The large draw-in width of the powerful BA 1016 is specially designed for bulky material, such as waste wood.

If a **root wood** is processed, the machines BA 926 D and BA 1016 D are fitted with fixed easycut tools. Fragmentisation takes place at a rotor speed of around 500 rpm. This speed can be preselected using the optional “TWIN gear” option.

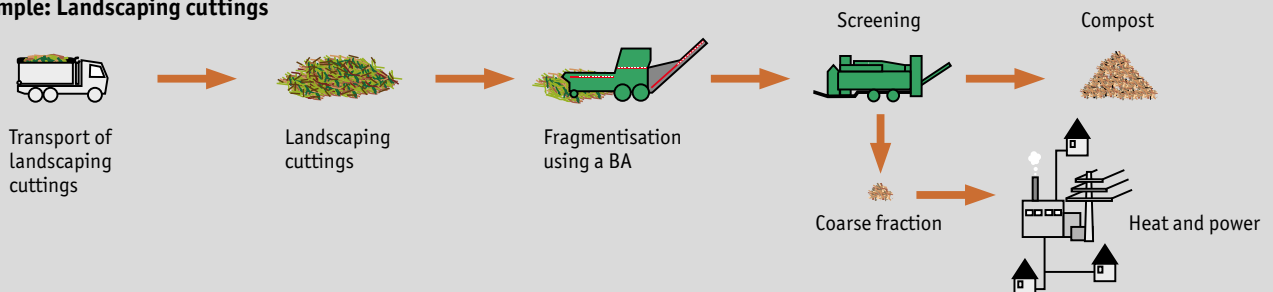
A finely-fragmentised **substrate** is required for biogas facilities in order to achieve the highest-possible biogas yield. The material is therefore fragmentised using a biomass processor in the initial process stage so that the material flow and gas formation in the facility are considerably accelerated. The substrate can be stirred better and ensures quicker gas formation. The rotor rotates at 1000 rpm and is fitted with fixed easycut flails and freely-swinging easyfit flails. This

enables waste products such as manure to be shredded. Maize silage and sugar beet is actually ground due to the rotating rotor on the screen basket and friction floor.

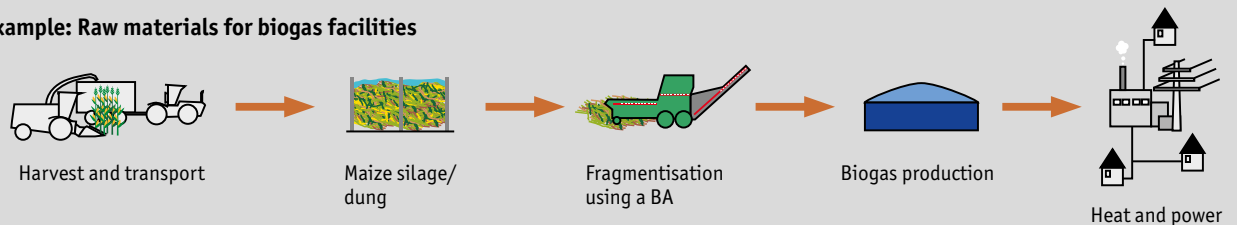
Example: Garden cuttings



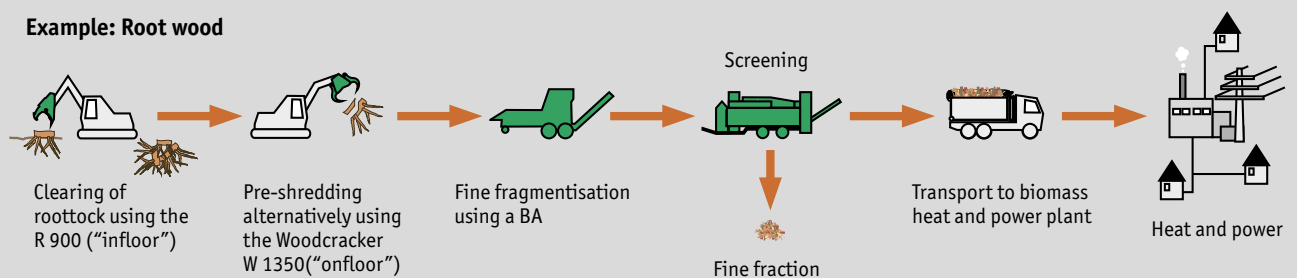
Example: Landscaping cuttings



Example: Raw materials for biogas facilities



Example: Root wood



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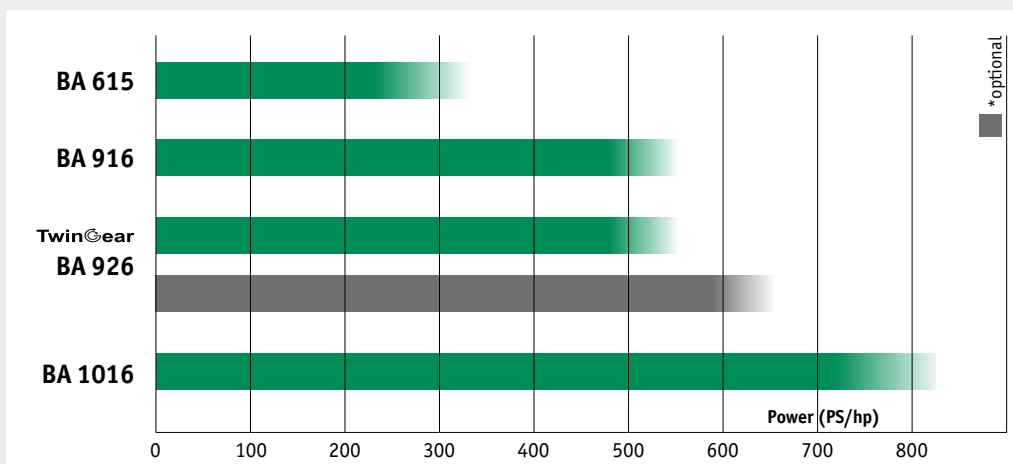
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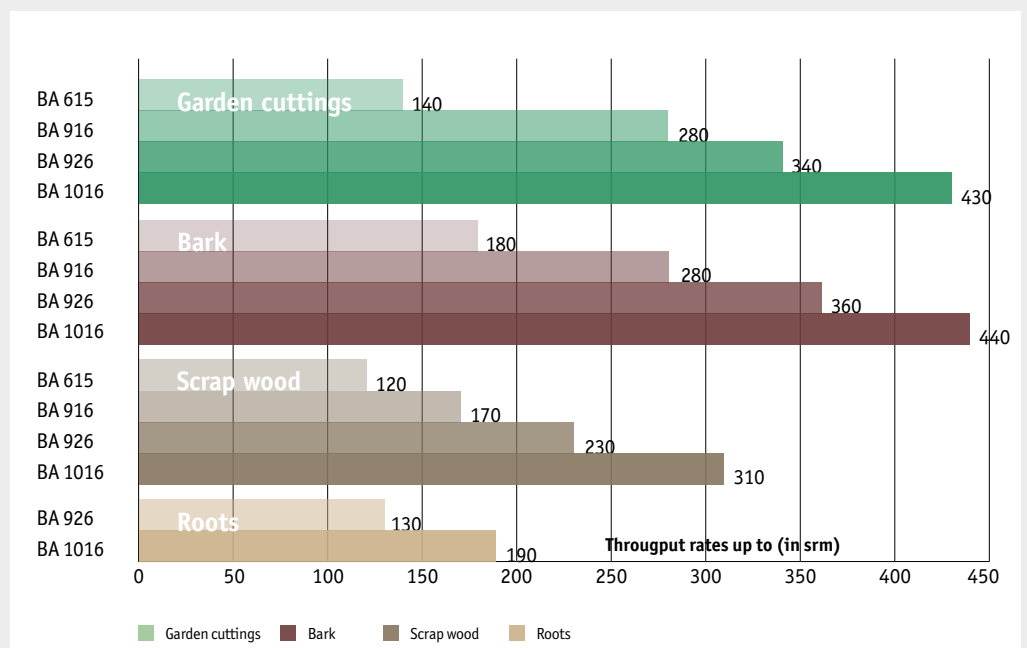
Drive Power









The JENZ biomass processor product range includes a total of four machine types. In this case the size ranges from the BA 615 with 225 kW (306 hp) up to the large BA 1016 machine with drive powers ranging up to 597 kW - 812 PS. JENZ also offers the BA 926 with optional Twin-Gear drive as standard with 390 kW (530 hp) or optionally with 460 kW (625 hp) engines.

Throughput rates

The throughput rates depends on:

- the input material or the required end product
- the type of loading (e.g. different loading vehicles)
- the infrastructure of the material delivery and removal



	BA 615	BA 916	BA 926	BA 1016
				
Performance potential				
Garden cuttings 	✓	✓	✓	✓
Bark 	✓	✓	✓	✓
Scrap wood 	✓	✓	✓	✓
Roots 	(✓)*	(✓)*	✓	✓
Equipment				
TwinGear	✗	✗	⊖	✗
Load dependent infeed control	GFA	GFA	GFA	GFA
Control system	easy2	easy2	easy2	easy2
Hydraulic propulsion drive	⊖	✓	✓	✓
Draw-in				
Draw-in width (mm)	1200	1500	1500	1620
Draw-in height (mm)	615	900	900	960
Free loading length from (mm)	3800	4400	4250	4500
Fragmentation unit				
Rotor diameter (mm)	820	1040	1040	1120
Number of flails	24	32	32	34
Conveyor outfeed				
Drop height from (mm)	3100 (opt. 3700)	4380	3500 (opt. 4620)	5100
Main drive				
Standard diesel motor	CAT C7.1	MTU OM 471	MTU OM 471	MTU OM 473
power (kW/hp)	225/306	390/530	390/530	460/625
Weight				
Weight/basic design approx. (in kg)	11500	19000	22000	28000

*not for permanent use

⊖ Option

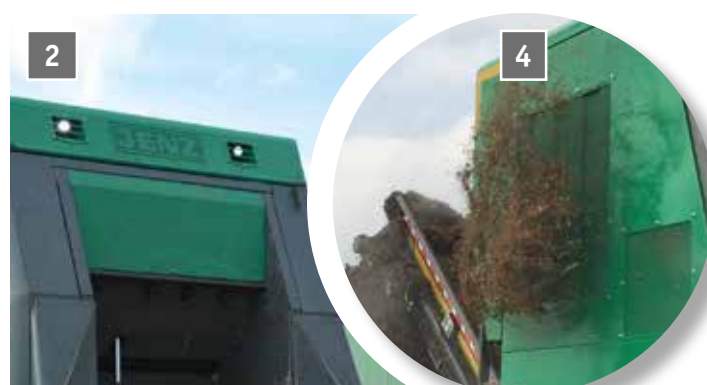
GFA – Grinder Feed Assistant

The small powerful one



Unique driver assistance systems

- Intelligent load dependent infeed control GFA
- Foreign body detection system IPS (Impact protection system)
- Programmable shredder modes, factory pre-set





Have a look at the video "BA 615 D".



1 Aggressive **draw-in** with 615 mm infeed height and free loading length of 3,8 m

2 **LED working lights** for working in the darkness

3 Simple **main drive** via the Caterpillar C7.1 with 225 kW (306 hp), Power-Eco mode

4 **Reversing fan** for a quick and efficient cleaning of the cooling system and reducing maintenance cost

5 Hydraulic **engine compartment cover** for ergonomic maintenance position

6 Lowerable **outfeed belt** for simple tool changeover

7 Propulsion drive via remote control ensures that machine idle times are kept to a minimum and enables a more uniform material outfeed)

8 **easy2 controller** with **easy2HOTKEY-Box** keypad for fast machine operation incl. online diagnosis

9 **Alternative chassis:** caterpillar drive for independent movement on solid, uneven ground

* optional



The garden waste specialist



New easy2CONNECT radio remote control

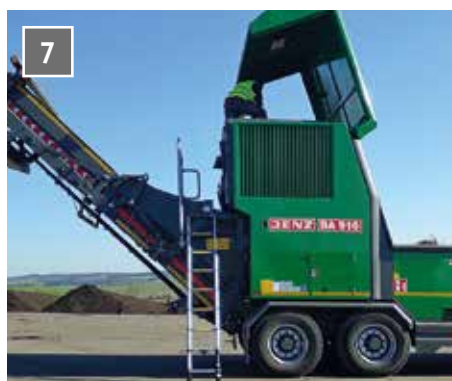
- Active status feedback via display
- Integrated loading tray on the machine
- Additional loading tray for wheeled loading vehicle

Unique driver assistance systems

- Setup/dismantling assistant
- Intelligent load dependent infeed control GFA
- Maintenance assistant
- Programmable shredder modes, factory pre-set



Have a look at the video "BA 916 D".





- 1 In direction of travel left: fuel- (550 l) and AdBlue Tank (60 l)**
- 2 More aggressive draw-in** with speed function and variable preload pressure of the top roller
- 3 LED status lights** on engine compartment cover show machine status from a distance
- 4 Single main drive** (530 hp) via compact and robust high-performance belt
- 5 Selection: free-swinging or fixed tools** extend the deployment
- 6 Simple replacement of two-piece screen basket**
- 7 Convenient maintenance access** with sideways-swivelling **outfeed belt** (Upgrade: Opening at the push of a button)
- 8 easy2 controller** with **easy2HOTKEY-Box** keypad for fast machine operation incl. online diagnosis
- 9 Professional tool system:**
 - swivelling toolbox for direct access to tools and spare parts
 - including compressed air connection and screw-driver and work lighting



The flexible one



1 Innovative JENZ shredding system
Very large screen surface through integration of the optimised screen baskets

2 TwinGear*

Two rotor speeds for chipper and shredder mode, Change at the touch of a button

3 Operator Info System

- LED flashing lights signal machine status from a distance
- **easy2CONNECT** remote control:
 - control of all functions from the loading vehicle
 - loading and stowing directly at the machine
 - 12V charging cradle for wheel loader/excavator

4 Position of the lower drawin roller
identical to HEM 841 for more control when feeding logs and roots

5 easy2 controller

- operation either via smartphone-like easy2TOUCH display or via keypad (easy2HOTKEY-Box)
- GFA assistance system for controlling draw-in speed

Mode-Selecting System

- Free Programming of machine settings for fast changeover when changing materials - conveniently from the loading vehicle at the push of a button

6 Main drive Mercedes Benz OM 471 with 530 HP or OM 473 with 625 HP

7 Heavy 3-axle chassis

for quiet driving comfort, highest stability and EU-wide approval

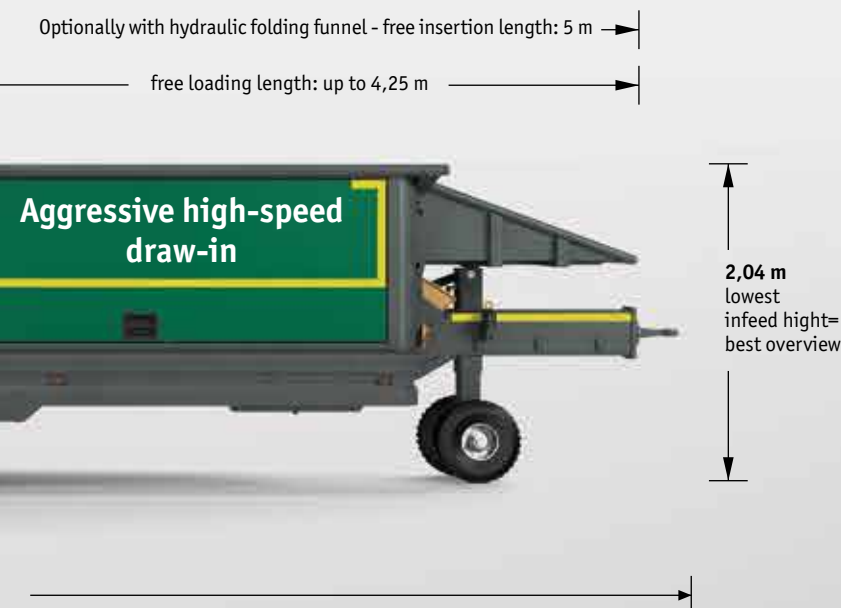
8 Handles and steps make it easier to access the rotor and to climb up to the motor. The new machine stands and the greater draw-in height also provide more space for maintenance work on the rotor and also the shredding system

9 Hydraulically adjustable over-belt magnet*

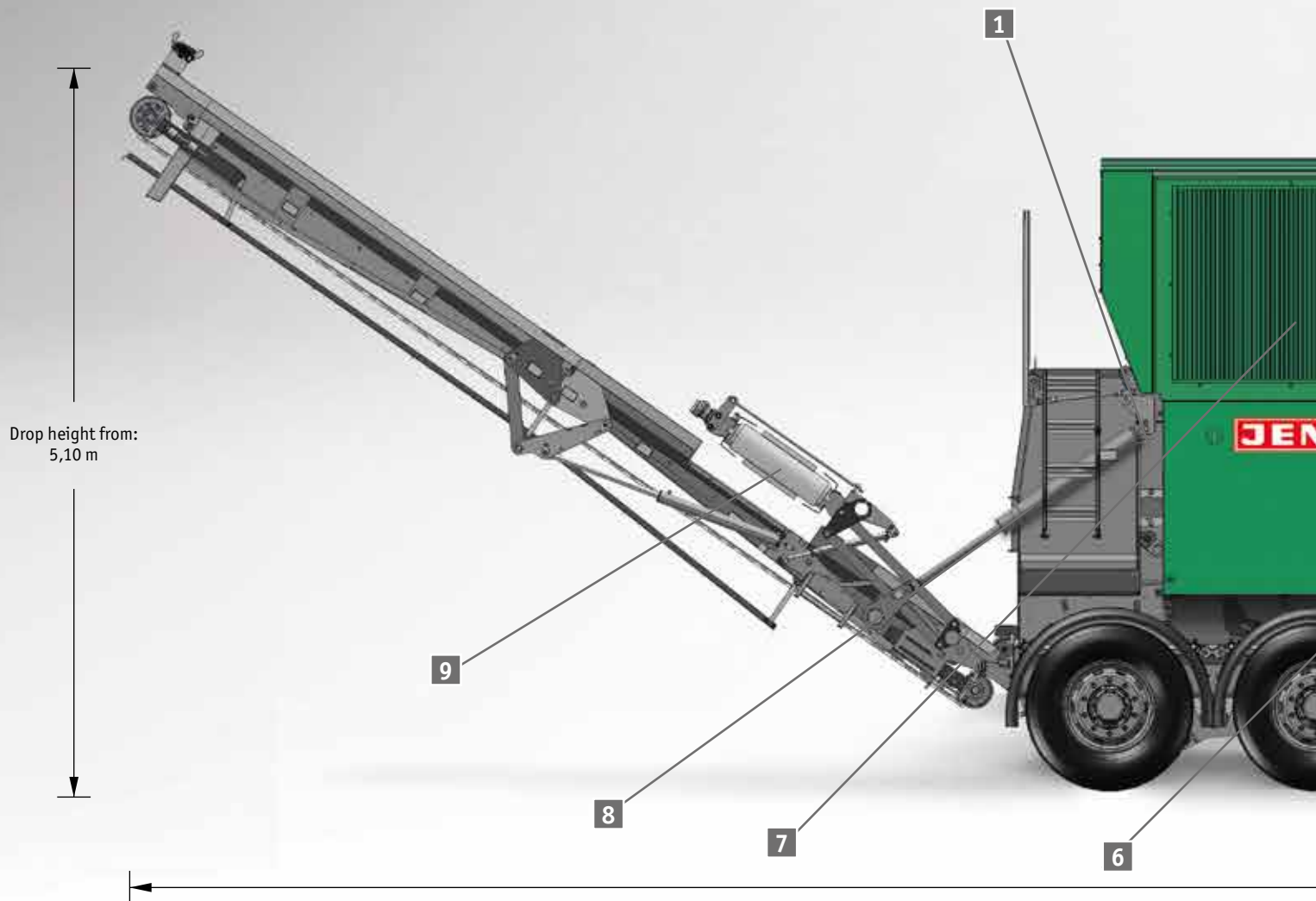
10 Screen changeover in under 10 minutes:

- Ergonomic maintenance access
- Ready to hand: optional screen basket holder for transport of two-piece screen basket set on the machine

*optional



The powerhouse



- 1** Heavy duty **rotor** for the hardest requirements. Achieves very high throughput even with hard, difficult material.

2 Operator Info System

- LED flashing lights signal machine status from a distance
- **easy2CONNECT** remote control:
 - control of all functions from the loading vehicle
 - loading and stowing directly at the machine
 - 12V charging cradle for wheel loader/excavator

- 3** Aggressive **draw-in** with 1620 x 960 mm (BxH) infeed opening

Lower feed roller for the controlled processing of tails, specific when feeding logs and roots.

- 4** The extra-long **belt hopper** with a free loading length of up to approx. 5 m guarantees a continuous material flow and the machine is easier to feed

- 5 Alternative chassis:** caterpillar drive for independent movement on solid, uneven ground

6 easy2 Steuerung

- operation either via smartphone-like easy2TOUCH display or via keypad (easy2HOTKEY-Box)
- GFA assistance system for controlling draw-in speed

Mode-Selecting System

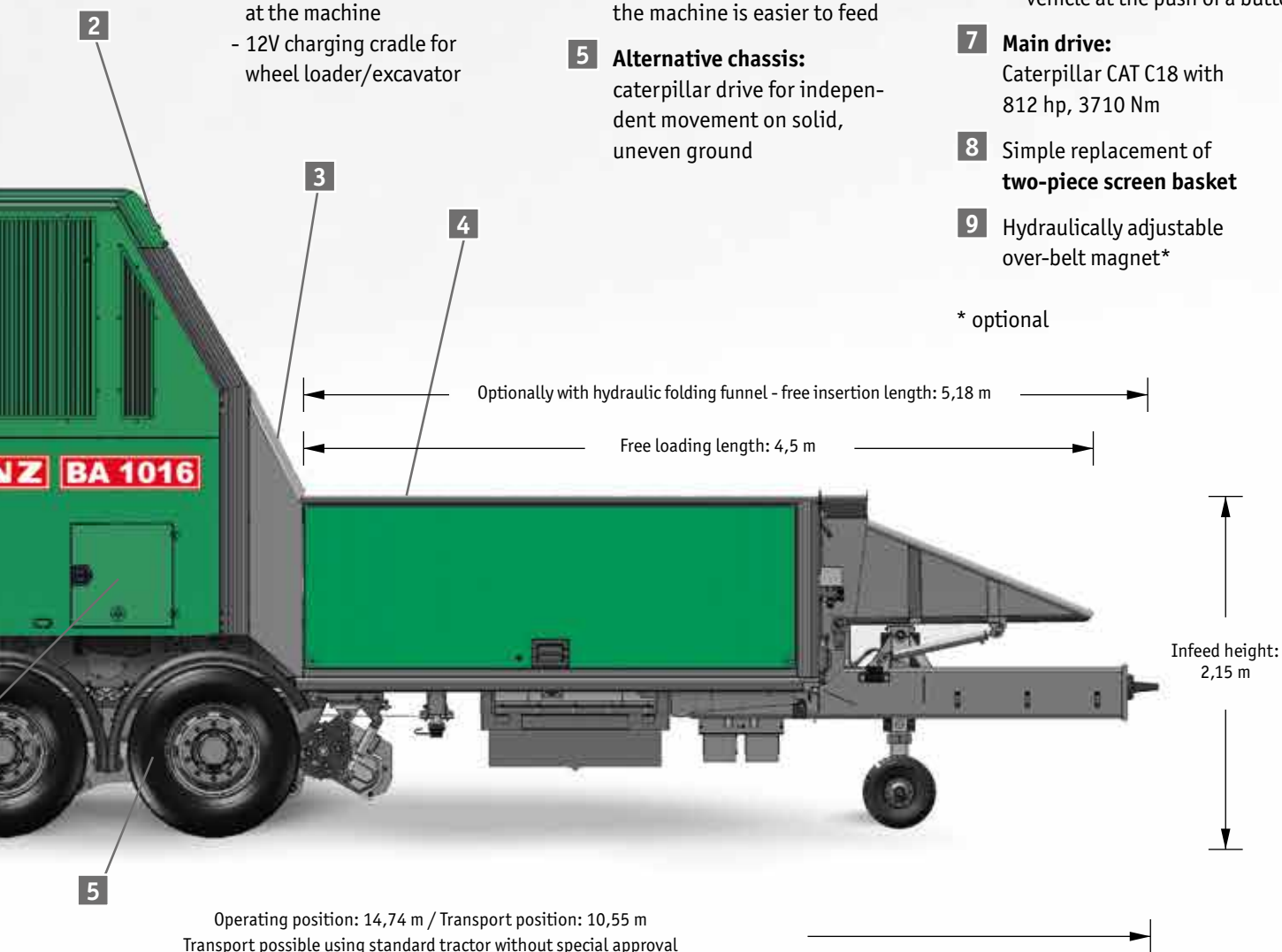
- Free Programming of machine settings for fast changeover when changing materials - conveniently from the loading vehicle at the push of a button

- 7 Main drive:** Caterpillar CAT C18 with 812 hp, 3710 Nm

- 8 Simple replacement of two-piece screen basket**

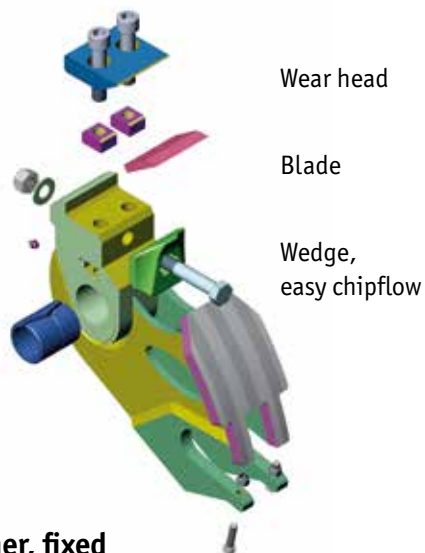
- 9** Hydraulically adjustable over-belt magnet*

* optional



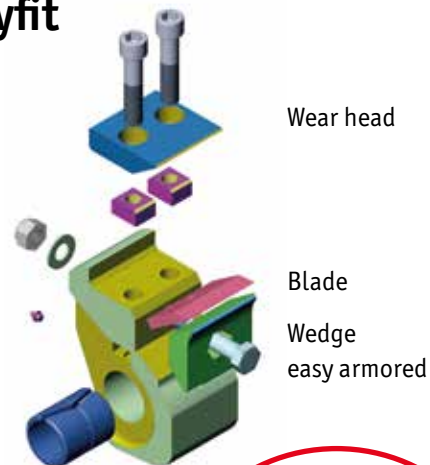
easy system

easycut

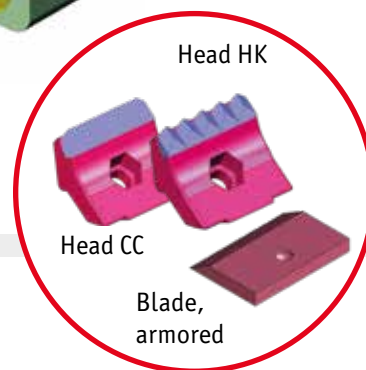


Hammer, fixed
für definierten Schnitt

easyfit



**Hammer,
freely oscillating**

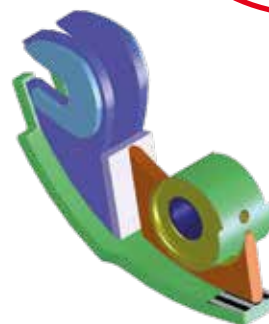


easyguard



Schutz der Schlägerstange
bei halber Rotorbelegung

easycover









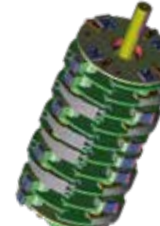
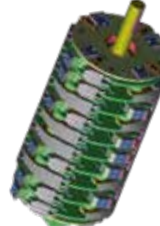
Abdeckung verhindert Eindringen von
Material und Fremdkörpern in den Rotor
















brief facts

- for 35 mm and 50 mm hammer shafts
- one man assembly & easy maintenance with assembly tool
- considerably longer blade durability
- reduced fuel consumption
- higher throughput rate
- changeable wear parts



Tools		Arrangement	Material
easyfit	freely oscilating		compost
easyfit + easyguard	freely oscilating		compost
easyfit + easycover	freely oscilating		bark
easycut + easycover	fixed		timber/roots
			
			
			
			

BA 615					
BA 916					
BA 926					
BA 1016					

* not for permanent use



JENZ machines in action.



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