Biomass Processor



INT



Preface



Dear reader,

In 1986 we presented the very first JENZ waste fragmentiser, the AZ 30–80 Z power takeoff machine. The development of this shredder was connected with the start of separate collection of garden waste across the country. This separately-collected material then had to be processed so that a shredded material for the creation of high-quality compost could be produced.

Not much has changed over the last 30 years in terms of the actual process used. However, deployment in the biogas facility sector has been added as a new application area for our shredders over the last few years. The objective here is to prepare the tough source material for the digester so that the bacteria have a larger contact surface to attack so that the fermentation process in the digester is accelerated.

More than ever biomass producers currently need to be able to adapt to constantly changing boundary conditions on the biomass market. Our biomass processors are ideal here and at home in different areas of application. In addition to composting, biomass fuels can also be produced for heating power plants.

In our current brochure you will find our new BA 916 D which is the innovative development of the previous BA 915 D. A real benefit- particularly for the user- is the easy2 control system in combination with assistance systems which are implemented for the first time in a shredder. The new easy2CON-NECT radio remote control and a professional tool system simplify and support daily tasks for the machine operator. In a nutshell: the new shredder presents itself as technically sophisticated and perfectly adapted to the operator at the same time. Through the exchange of the BA 915 D the product range of JENZ biomass processors further includes four machine types. With drive powers ranging from 300 hp to 776 hp and different types of options, the machines are suitable for almost all areas of biomass use. JENZ shredders are real multi-talents convince yourself! The following pages will give you an overview of our current portfolio.

Your

leve Clempon alousi

Dipl. Oec. Uwe Hempen-Hermeier Managing Partner

Contents

Preface 2 Contents 3 Applications 4 Specifications 5 BA 615 D 6 BA 916 D 8 BA 965 D/DXL 10 BA 725 D 12 Wear parts 14

Publisher:	
JENZ GmbH	
Maschinen- und Fahrzeugbau	
Wegholmer Str. 14 D-32469 Petershagen	
Tel.: +49 (0) 5704/9409-0	The contents of this publication were
Fax: +49 (0) 5704/9409-47	drawn up with great care. However, we do
E-Mail: info@jenz.de	not accept any liability for the correctness,
Web: www.jenz.de	completeness and up-to-dateless of the
© August 2020	contents. Subject to technical alterations.
Liable for content under German press law:	All published figures should be considered as
Uwe Hempen-Hermeier	approximations.

Applications

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, recrushing) can also be necessary beforehand.

If a **root wood** is processed, the machines in the BA 725 D and 965 D series are fitted with fixed easycut tools. Fragmentisation takes place at a rotor speed of around 500 rpm. This speed can be preselected using the "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.



Applications

	BA 615 D	BA 916 D	BA 965 DXL	BA 725 D
Performance potential		I		
Garden cuttings	~	~	~	~
Bark	~	~	~	~
Scrap wood	\checkmark	~	~	~
Roots	(✓)*	(✓)*	~	~
Equipment				
TwinGear	×	×	×	\checkmark
Load dependent infeed control	GFA	GFA	IBC	IBC (optional)
Control system	easy2	easy2	easygreen	easygreen
Hydraulic propulsion drive	ightarrow	\checkmark	riangle	riangle
Draw-in				
Draw-in width (mm)	1200	1500	1620	1500
Draw-in height (mm)	615	900	960	820
Free loading length (mm)	3800	4400	8000	4/00
Potor diameter (mm)	820	10/0	1120	10/0
Number of flails	16	32	42	38
Conveyor outfeed			-	
Drop height from (mm)	3080	4380	4600	4600
Main drive		I	1	
Standard diesel motor (kW/hp)	CAT C7.1 (225/306)	Mercedes-Benz OM 471 LA (390/530)	CAT C18 (571/776)	Mercedes-Benz OM 471 LA (390/530) OM 473 LA (460/625) opt.
Weight				
Weight/basic design approx. (in kg)	11500	19000	28000	21700

BA 615 D

Mobile biomass processor for composting and biogas plants





The small powerful one

This compact, light shredder is completely new in the BA family. Whether propulsion drive, reversing radiator fan or remote radio control, this machine leaves nothing to be desired. This entry machine is completely at home with garden cuttings, light structural timber in addition to dung, compost and silage. The low infeed height enables clear and comfortable feeding of the machine even using small loading vehicles. The aggressive draw-in is automatically controlled and keeps the engine load consistent, which means that the driver can completely concentrate on feeding. The IPS foreign body detection system protects the machines against unplanned breakdowns, and the online diagnosis helps to keep service costs insignificantly low. Compact, smart, efficient.





Mobile biomass processor for composting and biogas plants

BA 615 D





BA 916 D

Mobile biomass processor for composting and biogas plants



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





Operating position: 11,75 m total length







Mobile biomass processor for composting and biogas plants



Transport position: 10,40 m (overall combination length with 3-axle HGV less than 18.75 m)

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 sidewaysswivelling **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







BA 965 D/DXL

Mobile biomass processor with exceptionally high power



Have a look at the video "BA 965 D". Just click the YouTube button.

The powerhouse

776 hp and 3460 Nm – this performance data speaks for itself. The machine for the heaviest industrial deployments. This shredder stops at nothing whether garden cuttings, roots or scrap wood. The generously-dimensioned draw-in can easily be fed even with the largest loading vehicles. Service costs are reduced to a minimum thanks to online diagnosis, and the IPS foreign body detection system protects the machine against unplanned breakdowns even under the most difficult working conditions. A genuine doer, in other words.









Mobile biomass processor with exceptionally high power

BA 965 D/DXL





BA 725 D

The multi-talent with two engine speeds

Shredding and chipping with one machine. Low engine speed for coarse processing and a higher engine speed for fine processing all in one machine. The machine is protected using the IPS foreign body detection system even under the most difficult conditions. The COC certification makes registration easier and the service costs are reduced to a minimum thanks to online diagnosis. This multi talent can simply do anything – whether with fixed or freely-swinging tools.











Mobile biomass processor for all deployment areas

BA 725 D









Arrangement of tools



BA 725 D		>	>	>	>
BA 965 DXL					>
BA 916 D		>		>	
BA 615 D		>			NEM
	Material	compost	compost	bark	timber/roots
	Arrangement				
्र	freely oscilating	freely oscilating	freely oscilating	fixed	
	Τοο	easyfit	easyfit + easyguard	easyfit + easycover	easycut + easycover

Arrangement of tools

Arrangement of tools

Keep up to date and follow us:



You can also find detailed product information in our app:







And of course online at:



JENZ GmbH Maschinen- und Fahrzeugbau Wegholmer Str. 14 | D-32469 Petershagen Tel.: +49 (0)5704/9409-0 Fax: +49 (0)5704/9409-47 E-Mail: info@jenz.de

