



# Big Dutchman®

**NEW!**



## **OptiPress** *mobile*

Reliable liquid-solid separation  
for your farm manure

# OptiPress *mobile*

## efficient, reliable, easy to maintain

With **OptiPress *mobile***, Big Dutchman offers a reliable screw press separator that is supplied as a mobile unit. OptiPress *mobile* is characterised by its great flexibility, high-quality materials and little wear, and thus a long service life.

OptiPress *mobile* separates solids from your slurry quickly and reliably. The separated

solids can be used as a spreadable fertiliser with low odour emissions or processed into pellets.

The liquid proportion can be spread on the fields as a valuable liquid fertiliser, allowing fertilisation with its desirable nutrient components. Storage is also easier because no homogenisation is necessary.

**And best of all:** the use of a coagulant helps separate a much higher amount of solids and thus more nutrients from your untreated slurry!

Let our experts advise you in a detailed consultation.



Untreated slurry



Liquid phase without coagulant



Liquid phase with coagulant



Solids

	Untreated slurry	Liquid phase without coagulant	Liquid phase with coagulant	Solids
Dry matter content (%)	4.93	2.54	1.38	32.82
Total nitrogen	5.69	4.02	3.08	10.7
Ammonium	3.08	2.89	2.78	3.38
Phosphorus	2.3	1.38	0.29	12.7
Potassium	3.38	3.14	3.25	3.93

Example: slurry from finishing pigs, nutrient specifications in kg/t

### The advantages at a glance

- ✓ use of a coagulant for a higher amount of solids and nutrients in the liquid proportion;
- ✓ low energy and operating costs;
- ✓ compact design with small space requirements;
- ✓ ready for connection, including control system and suction and filtrate pump;
- ✓ easy to clean and to maintain without removing the press head;
- ✓ easy to transport to the required location.

### How OptiPress *mobile* works

The substrate is transferred by suction pump to the separator's input area. If required, coagulant is stored in a separate tank on the trailer. This flocculation agent is mixed well with the untreated slurry first. A screen basket filters the solid particles and a rotating auger

transports them into the separator press. Here, the solids are consolidated applying the resistance of a spring flap mechanism. A centrifugal pump conveys the resulting filtrate into the storage area.

Type		OptiPress <i>mobile</i>
Screen basket length	mm	780
Drive power	kW / V	5.5 / 400
Auger rotation	min <sup>-1</sup>	28
Capacity	m <sup>3</sup> /h	8 – 16
Screen basket diameter	mm	260
Housing material		Ductile iron



# Big Dutchman

**Europe, Middle East & Africa:**  
**Big Dutchman International GmbH**  
 P.O. Box 1163 - 49360 Vechta, Germany  
 Tel. +49(0)4447 801-0 · Fax -237  
 big@bigdutchman.de  
 www.bigdutchman.de

**USA: Big Dutchman, Inc.**  
 Tel. +1 616 392 5981 · bigd@bigdutchmanusa.com  
 www.bigdutchmanusa.com

**Brazil: Big Dutchman (Brasil) Ltda.**  
 Tel. +55 16 2108 5310 · bdb@bigdutchman.com.br  
 www.bigdutchman.com.br

**Russia: 000 "Big Dutchman"**  
 Tel. +7 495 229 5161 · big@bigdutchman.ru · www.bigdutchman.ru

**Asia/Pacific: BD Agriculture (Malaysia) Sdn. Bhd.**  
 Tel. +60 33 34 83 555 · bdasia@bigdutchman.com · www.bigdutchman.com

**China: Big Dutchman (Tianjin) Livestock Equipment Co., Ltd.**  
 Tel. +86 10 6476 1888 · bdcnsales@bigdutchman.com  
 www.bigdutchmanchina.com