

# R1100DE



**THE ONLY HYBRID CRUSHER WORLDWIDE!**

## INCREASE OF PERFORMANCE & DECREASE OF FUEL CONSUMPTION!

### The highlights

- Exclusive „Power Caps“ system stores electrical energy to manage demand peaks
- Up to 30% less fuel consumption
- Performance: up to 450 t/h / 500 st/h
- Continuous, fully hydraulic gap adjustment (electronic display)
- Feeder adjustment by remote control
- Automatic, continuous control of the adjusted feeder speed
- Unique double-functional return belt system
- „DUPLEX-able“: change from impact to jaw crusher within a few hours possible

### Technical details:

Inlet opening: 1100 x 720 mm / 44 x 29 in  
 Rotor: 4 hammers  
 Crusher drive: electric / Power Caps  
 Rotor speed: continuously variable  
 Swing beams: 2 (individually adjustable)  
 Gap adjustment: fully hydraulic  
 Performance: up to 450 t/h / 500 st/h  
 Drive unit: TIER3/TIER4f engine  
 System power: up to 481 kW / 654 hp

Main discharge conveyor, width: 1200 mm / 48 in  
 hydraulically lowerable

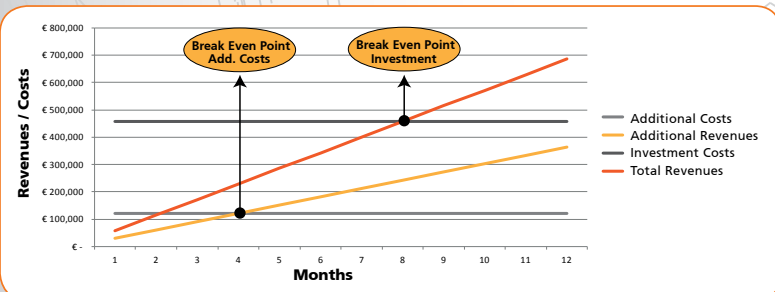
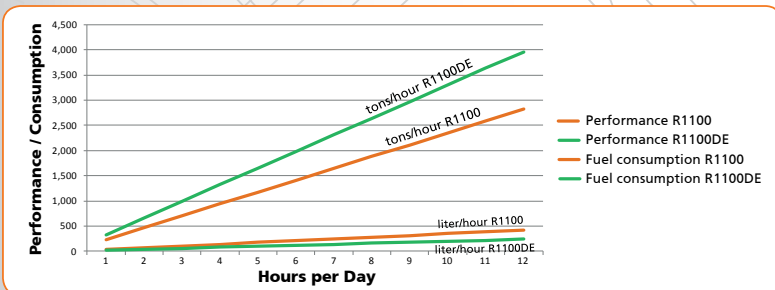
Discharge height: ~ 3,5 m / 11.5 ft

Side discharge conveyor: 650 mm / 26 in  
 hydraulically foldable

Discharge height: ~ 2,4 m / 7.9 ft

### Basic equipment:

- Feed hopper (Hardox) - 5 m<sup>3</sup> / 6.6 yd<sup>3</sup>
- Vibration feeder with 2-step pre-screener
- Adjustable bypass chute (main/side conveyor)
- Magnetic separator
- Remote control
- Sound-proofing
- Crusher overload protection
- Dust suppression system
- Electronic controller with color display



**PATENTED**

## DUPLEX SYSTEM

### One machine - ultimate versatility!

The exclusive crusher unit design allows the transformation from a jaw crusher (R1200DE) to an impact crusher (R1100DE) and vice versa in only a few hours.

Achieve maximum machine utilization by using one carrier and different crusher units to rapidly adapt to different job requirements.



## OPTION: Screenbox RS114 + double-functional return belt RB95



Maintenance timesaving due to hydraulic cylinders on the screenbox.

### To ensure 100% defined final grain

#### RS114 Screenbox:

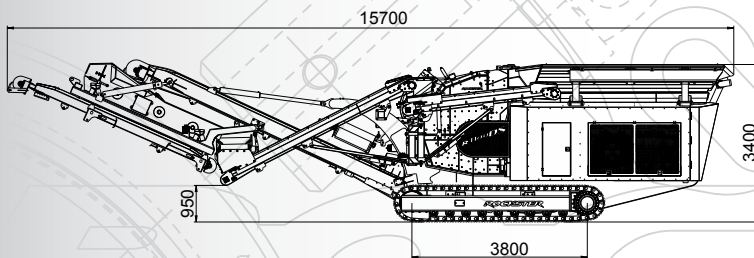
Screen surface: 3100 x 1350 mm / 10.2 x 4.5 ft  
Standard mesh: 38 mm / 1.5 in  
Special screen sizes on demand.  
Screenbox hydraulically lowerable!

#### Discharge conveyor final grain:

Width: 1200 mm / 48 in  
Discharge height: ~ 3,2 m / 10.5 ft

#### RB95 Double-functional return/stockpile belt:

Width: 600 mm / 24 in  
Either use as discharge conveyor:  
Discharge height: ~ 3,6 m / 12.0 ft  
Or return of oversized material directly back to the feed hopper



#### Transport dimensions R1100DE:

Length: 13,30 m / 43.7 ft | Width: 2,75 m / 9.1 ft  
Height: 3,40 m / 11.2 ft | Weight: 36,2 t / 79,800 lbs

#### Transport dimensions R1100DE incl. RS114+RB95:

Length: 15,70 m / 51.6 ft | Width: 2,99 m / 9.9 ft  
Height: 3,40 m / 11.2 ft | Weight: 40,6 t / 89,500 lbs

## FURTHER OPTIONS

- On board air compressor
- Central lubrication system
- Main belt wear protection
- Water pump
- Belt weigh scale
- Hammer quick changing device
- Grid connection
- Customized painting
- Main conveyor service device



Print and punctuation errors excepted. Content is subject to change without notice.