

# “Where are the profits in the building trade?”

## The answer: Rubble Master RM 80

Ever increasing disposal and transport costs are a clear argument for the RUBBLE MASTER RM 80: this compact high-performance machine gives you an exceptional cost/benefit ratio, thus enabling the most cost-efficient processing on site.

## RUBBLE MASTER – the economic "size" for successful rubble recycling ...

Facts on the cost-efficiency of the RM 80

- ▶ Low investment costs
- ▶ Extremely fast amortisation
- ▶ No operators required at the machine
- ▶ Low maintenance costs
- ▶ Low wear
- ▶ Low fuel consumption
- ▶ Low transport costs - no special transport necessary

### 1 Flexibility

A system for varying tasks

- ▶ Setting changed from secondary to primary crusher in 20 minutes, hydraulically adjustable
- ▶ Automatic throughput optimisation according to feed material and feed equipment
- ▶ Pre-setting of optimum screen performance for high throughput
- ▶ Hydraulically adjustable impact arm

### 2 capacity

Throughput on a par with large-scale facilities

- ▶ **Optimised feed cycle**
  - Automatic feed according to crusher load
  - new vibro-channel with torsional springing
  - highly efficient pre-screen for optimum sorting accuracy
  - high piling thanks to high discharge belt
- ▶ **Top throughput continuity**
  - Excellent intake behaviour thanks to optimised crusher kinematics
  - continuous processing, even with larger lumps
  - remote-controlled release system to remove blockages

### 3 mobility

Basic module with 3 mobility classes (suitable for retrofitting):

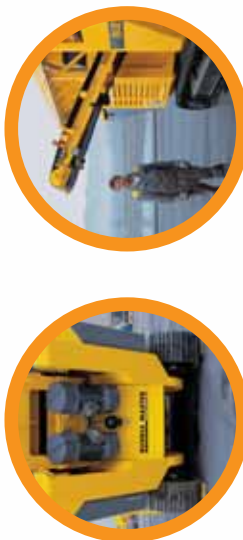
- ▶ **MOBILE CONTAINER** using 4-axle standard hook lift system 20 t
- ▶ **HYDRAULIC LEGS** for low-bed transport 20.5 t
- ▶ **MOBILE CRAWLER** for low-bed trailer 23 t
- ▶ Low initial investment & rapid amortisation
- ▶ Flexible system for growing requirements
- ▶ Low on weight & size thanks to mono-chassis construction
- ▶ Overseas transportation possible in 40' standard container
- ▶ Straightforward transport, no special permits required

### 4 productivity

- ▶ Availability has top priority
- ▶ Ready for operation in 10 minutes
- ▶ Ground-based servicing
- ▶ Hammers changed in 10 min per hammer
- ▶ No personnel needed at crusher
- ▶ Remote control for all functions
- ▶ No special knowledge needed

Large unbalance motors at the vibro-channel ensure optimum conveying and screening

New folding mechanism means high discharge with the side belt



Impact arm hydraulically adjustable with integrated release system

Efficient pre-screening grizzly with easy-change bar screen



The RM 80 processes asphalt, concrete, rock and general construction/demolition debris up to 150 t/h (165 tons/hour). Feed sizes up to 700 mm (28") are turned into a high-quality cubic gran end product in a fraction of 0 - 30 mm (0-1 1/4") to 0 - 70 mm (0-2 3/4") (ideal for further processing).

## RUBBLE MASTER® COMPACT-RECYCLER RM 80



RM 80 in dolomite quarry



Recycling brick rubble



Making crushed material for pipe bedding



Recycling concrete with fine pre-screening

# What is the "Best Solution Method"?

## The Rubble Master Principle

- ▶ Customer benefit oriented solutions
- ▶ Unconventional technical concepts
- ▶ Optimum flexibility & mobility with top performance
- ▶ Across the board concept ranging from consulting to service
- ▶ Series product with professional support



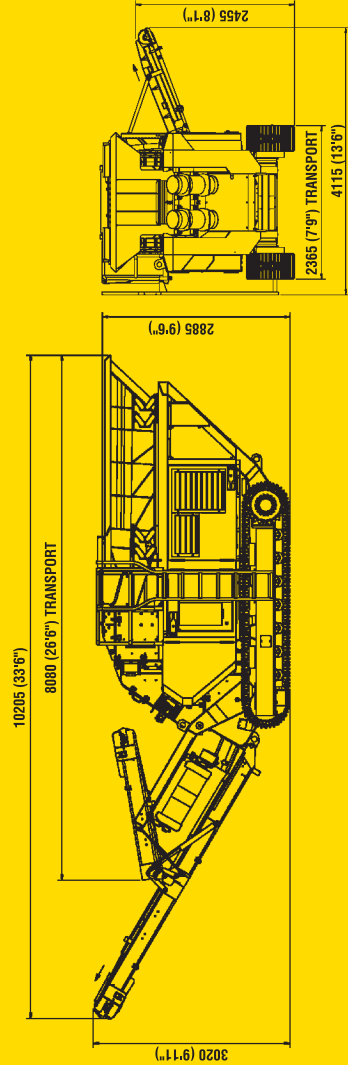
We were only able to realize the RM 80 in this exceptional form because for us customer requirements have top priority. The development team broke new ground in their work. The goal was top functionality in every respect – brought together in one machine with no compromises.



## RUBBLE MASTER® COMPACT-RECYCLER RM 80



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### Technical Data

|                   |                                                                                                                                                                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity:         | up to 150 t/h (165 tons/hour) depending on feed material edge length up to max. 700 mm (28")                                                                                                                                                |
| Inlet opening:    | 860 x 600 mm (34" x 24")                                                                                                                                                                                                                    |
| Crusher unit:     | Impact crusher with 2 or 4 hammers, according to application, kinematics hydraulically adjustable for primary or secondary applications                                                                                                     |
| Drive unit:       | Deutz diesel engine BF4M 1013 FC water-cooled 122 kW at 2,000 rpm                                                                                                                                                                           |
| Release System:   | three-phase synchronous generator 31 kVA 400 V electrical connections 230 V and 400 V for external drives up to 6 kW                                                                                                                        |
| Feeder unit:      | remote controlled hydraulic unblocking at crusher inlet vibrating feeder 2 m <sup>2</sup> (2.6 cu. yards) with 2 unbalance motors each 3 kW feeding height 2,800 mm (9'2"), hopper width 2,150 mm (7'1")                                    |
| Pre-screen:       | automatic, crusher load-dependent conveying efficient pre-screening grizzly screen size 1,600 x 800 mm (63" x 32")                                                                                                                          |
| Discharge belt:   | variable gap size 30 - 80 mm (1 1/4" - 3")                                                                                                                                                                                                  |
| Emission control: | lines can be discharged either together with the crushed material via the discharge conveyor, or using an optional side discharge belt forming a separate pile 800 mm (32") wide crimped belt, can be folded in hydraulically for transport |
| Transport system: | dust suppression system using water jets in crusher and crusher outlet low noise operation thanks to soundproof cover basic machine semi-mobile on skids suitable for retrofitting: hook lift system hydraulic legs crawler gear            |
| Weight:           | 19 t (20.9 tons / 41,900 lbs) basic machine 20 t (22 tons / 44,100 lbs) hook lift system 20.5 t (22.55 tons / 45,200 lbs) hydraulic legs 23 t (25.3 tons / 50,700 lbs) crawler gear                                                         |
| Options:          | magnetic separator dust suppression system remote control conveyor type weigher central lubrication diesel filling pump                                                                                                                     |
|                   | Electrical design RM 80 E RM 80 enviro                                                                                                                                                                                                      |



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## The new dimension in rubble recycling

From the sum of the customers requirements to the unique all-in-one solution.



- ▶ Highly mobile compact unit (19 to 23 t / 20.9 - 25.3 US tons) – can be transported using 3-axle low-loading trailer
- ▶ Compact power pack with the throughput of a large scale system
- ▶ Versatile multifunction system – secondary/primary crusher in one machine
- ▶ Optimum availability thanks to a revolutionary technical concept and service-friendliness

The RM 80 is a high-performance machine, optimised right down to the very last bolt – ideal for mobile recycling and contract crushing. The user becomes a total service provider and recycling becomes a fixed profit factor!