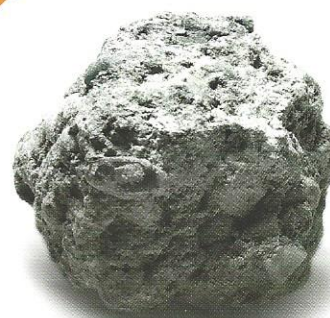




RUBBLE MASTER[®]
COMPACT-RECYCLER

RM 80



Rethinking rubble ...

1 Maximum Flexibility

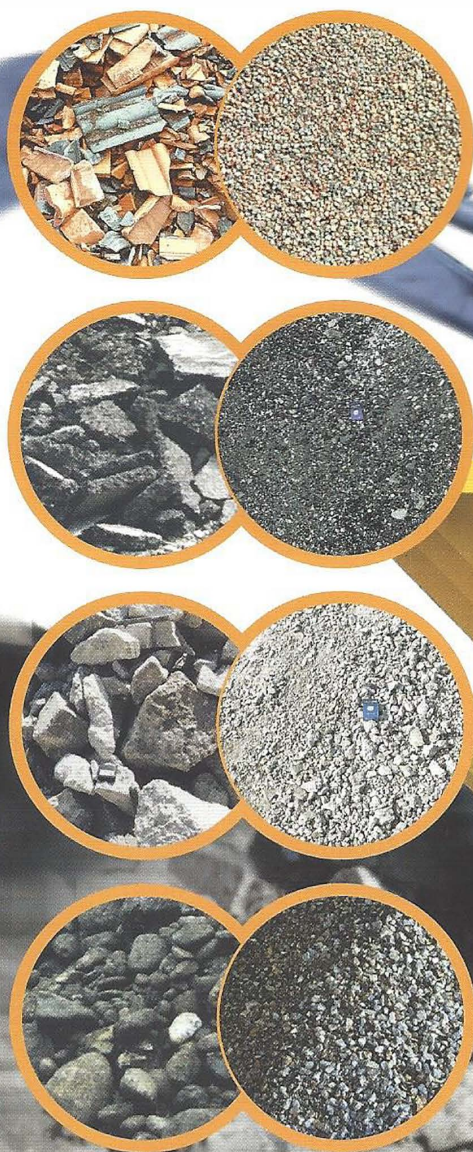
A system for varying tasks

- ▶ 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 Maximum 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



The RM 80 processes asphalt, concrete, rock and general construction/demolition debris up to 150 t/h. Feed sizes up to 2' - 3 1/2" are turned into a high-quality cubic grain end product in a fraction of 0 - 1 1/8" to 0 - 2 3/4" (ideal for further processing).

RUBBLE MASTER

COMPACT

3 ^{Maximum} mobility

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

- MOBILE CONTAINER** using 4-axle standard hook lift system 44,092 lbs
- HYDRAULIC LEGS** for low-bed transport 45,202 lbs
- MOBILE CRAWLER** for low-bed trailer 50,706 lbs
- ▶ 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 ^{Maximum} 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

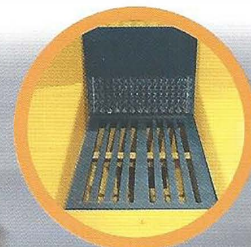
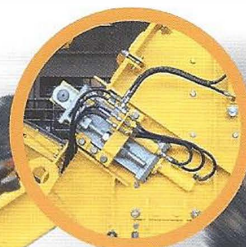
New folding mechanism means high discharge with the side belt



Impact arm hydraulically adjustable with integrated release system



Efficient prescreen with easy-change welded mesh



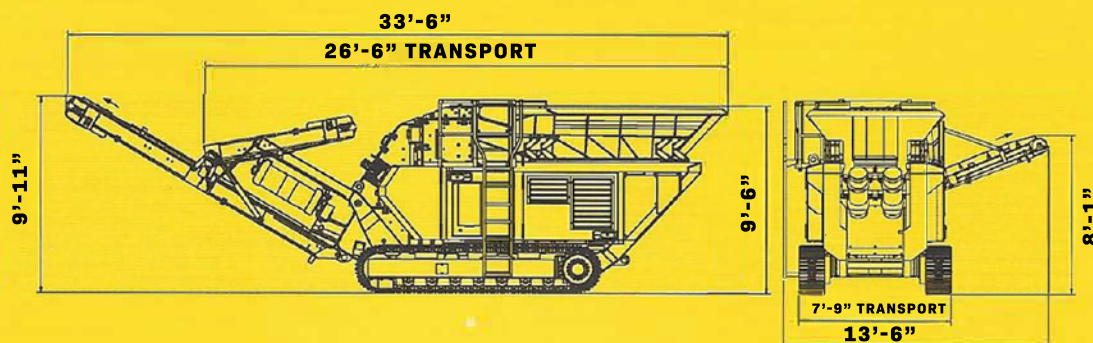
STER[®]
-RECYCLER

RM 80

RUBBLE MASTER[®]

COMPACT-RECYCLER

RM 80



Technical Data

Capacity:	up to 150 t/h depending on feed material
Feed size:	edge length up to max. 2'-3½"
Inlet opening:	2'-10" x 1'-11½"
Crusher unit:	impact crusher with 2 or 4 hammers, according to application, hammer circle diameter 2'-9½" kinematics hydraulically adjustable for primary or secondary applications
Drive unit:	Deutz diesel engine BF4M 1013 FC water-cooled 122 kW at 2000 rpm three-phase synchronous generator 31 kVA 400 V electrical connections 230 V and 400 V for external drives up to 6 kW
Release System:	remote controlled hydraulic unblocking at crusher inlet
Feeder unit:	vibrating feeder 70.6'³ with 2 unbalance motors each 3 kW feeding height 9'-2", hopper width 7'-1" automatic, crusher load-dependent conveying
Pre-screen:	efficient pre-screening by welded mesh screen size 5'-3" x 2'-7½" variable gap size (1¼'-3¼") fines can be discharged either together with the crushed material via the discharge conveyor, or using an optional side discharge belt forming a separate pile
Discharge belt:	2'-7½" wide crimped belt, can be folded in hydraulically for transport
Emission control:	dust suppression system using water jets in crusher and crusher outlet 396 gal external water tank (optional) low noise operation thanks to soundproof cover
Transport system:	basic machine semi-mobile on skids suitable for retrofitting: hook lift system hydraulic legs crawler gear
Weight:	41,888 lbs basic machine 44,092 lbs hook lift system 45,195 lbs hydraulic legs 50,706 lbs crawler gear
Options:	magnetic separator dust suppression system remote control conveyor type weigher central lubrication diesel filling pump

HMH

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