



reddot design award
winner 2007

RM100

COMPACT RECYCLING FOR WINNERS

RUBBLE MASTER[®]
COMPACT RECYCLER



Application-specific spares packages with original RUBBLE MASTER wear parts for extended service life

Auslesewerte:
Maßeinheiten:
Metrisch

Ausleseparameterpunkt	Wert	Einheit...	Max.
ECU : Motorbelastung bei aktueller Drehzahl	70	%	101
ECU : Motordrehzahl	1703	U/min	1704
ECU : Kraftstoffverbrauchsrate	21.4	l/h	24.4

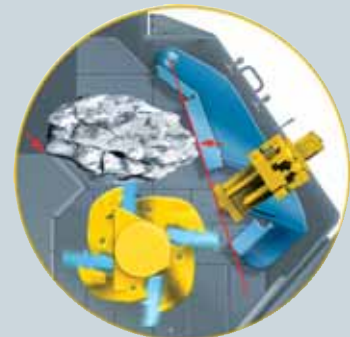
Highly profitable: diesel consumption of only 5.30 - 5.80 US-gal./h, crushing capacity up to 220 short tons/h



Efficient new generation drive concept for excellent cost-effectiveness

RUBBLE MASTER Compact Recyclers are the cost-effective solution for mobile processing: versatile, powerful and stable in value. They produce homogenous, cubic, high-quality grain from construction waste and natural rock on-site economically and can be transported without special permits. High-quality manufacturing, high-value components and wear-resistant crushing tools ensure the efficiency and availability of the machines - plus maximum profit from each job. Unique RM Lifetime Support provides customer care over the entire service life of each machine. Because we are only satisfied when our customers are successful!

30 % LESS CONSUMPTION



Radio-controlled Release System: unique release system that clears blockages at the press of a button.



EMPTION - AND REDUCED WEAR

RM100 - THE NEW CLASS IN MOBILE RECYCLING

The RM100 sets standards defining a new class of mobile crushers. These impact crushers deliver a previously unattainable combination of continuous throughput and compactness; transport weight is only 31 short tons. The efficient diesel-electric drive concept and the optimised dimensions of the low consumption engine provides fuel savings of up to 30 percent compared to diesel-hydraulic systems, despite its incredible performance. It also features on-board

electricity for external drives. Wear parts are perfectly optimised to process incoming material and offer extended service life - further reducing operating costs. Original RUBBLE MASTER quality spares and wear parts are subject to continuous improvement in cooperation with distinguished suppliers and are available as customised packages for specific processing applications.



Wear costs well below average: optimised crusher kinematics and high-performance, wear-resistant crushing tools.



Highest availability thanks to advanced technology: the RM100 can handle any material in any operating environment.



Complete steel removal through the large-scale magnetic separator.



Effective dust suppression for environmentally friendly recycling jobs



Optimum noise protection ensures whispering operations



Full acceptance by residents and authorities thanks to the RM enviro concept

STANDARDISED VAL



Graded material in a single pass: the 4 comb cascades ensure strict separation from 3/4" minus to 3" qualities.



BLUE GRAIN IN A SINGLE PASS

RM100 - THE NEW CLASS IN MOBILE RECYCLING

The RUBBLE MASTER power package - RM100 plus OS100 mobile oversized grain separator: the cost-effective solution for graded materials. Only one loader is needed for the RM100 to crush feed material at maximum throughput with minimum wear in a single pass. The OS100 is easily fitted to the crusher's discharge belt using quick-release levers, maintaining unrestricted movement of the crusher around the site. Four comb cascades reliably screen the material to the defined grain size. The refeeding belt provides

a closed-circuit system. Both machines can be transported with just one low-loader and are ready for operation within 20 minutes of arrival on site. The magnetic separator and comprehensive RUBBLE MASTER enviro concept - featuring dust and noise suppression - ensure highest efficiency and acceptance for recycling work.



Cost efficient and reliable: operator controls all crushing and manoeuvring operations from loader using radio controller.



Mobility gives you the advantage: compact crushers plus add-ons are delivered to site quickly and without transport permits.



Form follows function: the red dot design award 07 confirms the RUBBLE MASTER developers' dedication to design.

RUBBLE MASTER[®]
COMPACT RECYCLER



Rapid availability thanks to comprehensive documentation and plentiful stock



Ground Based Service ensures fast and reliable on-site support



Minimum downtime through intelligent quick-release systems

UP TO 30 PERCENT



Final grain with high market value: grain size can be adjusted by regulating crushing speed to guarantee the highest quality.



T MORE OUTPUT - DAY AFTER DAY

RM100 - THE NEW CLASS IN MOBILE PROCESSING

The RM100 is built for highest throughput - ideal for processing gravel. The RUBBLE MASTER control concept automatically optimises material flow to the crusher. The enhanced second generation Feed Control System ensures maximum conveying performance with all materials. The crusher automatically finds the optimum operating setting. This ensures a constant stream of feed material, achieving the highest possible throughput

delivered by the loading equipment. A suitably-sized loader or digger can then operate in continuous cycles. The result: an increase in daily output of up to 30 percent compared to diesel-hydraulic machines, and much lower wear costs due to continuous operation and homogenous quality grain at the same time.



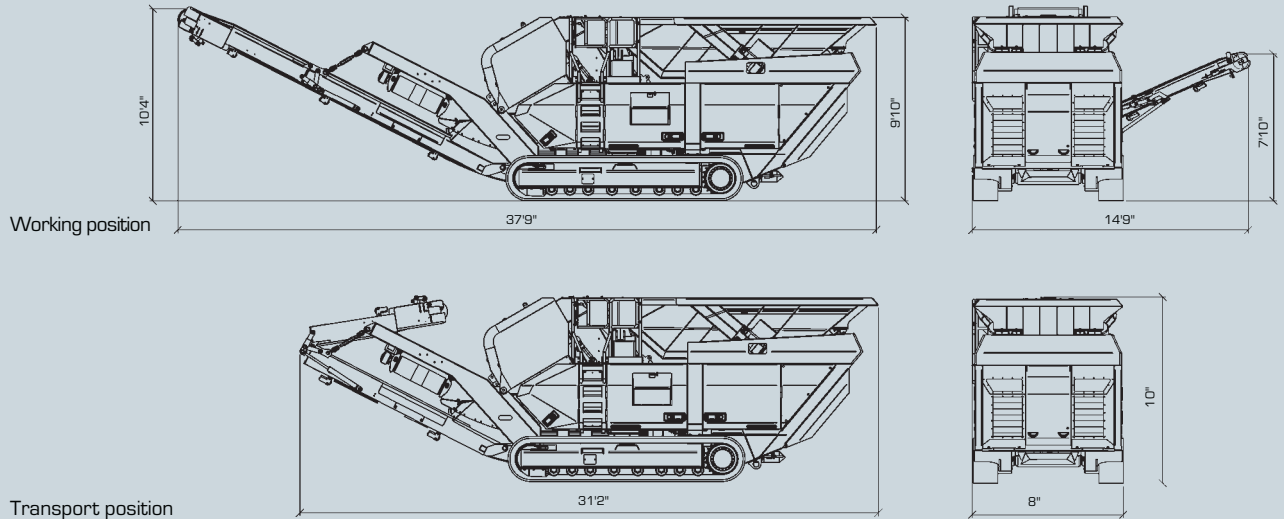
Maximum feed capacity: specially-designed vibro-channel ensures continuous flow with all materials.



Highest added value thanks to standardised grain grades: the TS3600 is designed to be fed directly by the RM100.



275 short tons homogenous 0/2.75" final grain: the RM100 delivers proven primary crushing performance in gravel pits.



RM100 - crusher with crawler gear

Throughput	up to 220 short tons/h, depending on material
Feed material size	lumps up to 32"
Inlet opening	37" x 28"
Crusher unit	HMH impact crusher with 4 hammers kinematics hydraulically adjustable for primary or secondary crushing final grain adjustable using 4 different rotor speeds
Operation	one operator using radio control for crushing and manoeuvring operations
Feed unit	asymmetric 116.5 cu.ft. vibro-channel with two 3 kW vibrator motors loading height 9' 10" effective cross-section of feed intake: 11' x 6'11" Feed Control System (2nd generation automation) for automatic load-dependent crusher feeding wear-resistant cladding Hardox 400
Prescreening	efficient prescreening using bar mesh screen screen area 59" x 35" selectable output to main discharge conveyor via fully integrated bypass chute or side conveyor
Main discharge belt	folding conveyor 40" wide, folds into transport position hydraulically discharge height 10'4"
Side discharge belt	side folding conveyor 20" wide, folds into transport position hydraulically discharge height 9'5"
Drive unit	John Deere diesel engine, 6 cylinder 181 kW at 2,000 rpm TIER 3 / COM III approved 3-phase synchronous generator 55 kVA 400 V 230 V and 400 V outlets for external drives up to 6 kW
Release system	mechanism to remove any blockages inside crusher
Magnetic separator	extra-strong magnet with left/right action, belt width 32"
Environmental protection	RUBBLE MASTER enviro concept: dust suppression using water spray inside crusher and at outlet low-noise operation using function-specific sound proofing concept
Transport system	crawler gear
Weight	31 short tons
Options	dust suppression system side discharge belt diesel filling pump crusher hammer changing system cable remote control central lubrication system Hardox 500 wear-resistant cladding

Specifications subject to change in line with technical developments.

www.rubblemaster.com

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