



Product Brochure

2010

Introduction to Red Rhino Crushers

www.redrhinocrushers.com

Winfield Engineering Ltd, formed in 1968, is a second generation family business with a long established independent fabrication engineering background. Winfield Engineering is based in Grantham, Lincolnshire and has over 40 years of engineering experience. With a highly professional approach and skilled work force, the company strives to deliver ongoing quality and cost saving solutions to all their customers along with providing the latest in engineering innovation.

Red Rhino is now proud to boast it has its own state of the art manufacturing facility, spread over some 45,000 sqft of shop floor space, encompassing an impressive range of engineering equipment including its own laser cutting facility, CNC press brakes, a CNC machine shop, 11 meter shotblasting room, heated spray / bake painting facilities, robotic welding centre's & Faro Arm inspection facilities all monitored through our rigorous quality control system, plus a full range of modern fabrication equipment. We manufacture 'in-house' the vast majority of parts & fabrications giving our customers maximum value for money through the core investment in our manufacturing facility.

Rest assured, if it's a Red Rhino crusher, it's been nurtured from raw materials & turned into a market leading machine that is proud to wear both the renowned Red Rhino/Winfield Engineering Ltd decals as well as the Union Jack.

Construction waste—the facts

- The Government's Waste Strategy for England 2007 set out a target to halve building and excavation waste going to landfill by 2012
- Landfill tax just went up to £50 per tonne and the Chancellor confirmed in his budget that it will also go up by a further £8 per tonne every year until 2013
- Waste typically costs up to 4% of a company's turnover (Defra 2007)
- A staggering 90% reduction in construction waste could be achieved through more modern working practises and off-site manufacturing (Defra 2007)
- 400 million tonnes of solid material are used in the UK construction industry each year, but only two thirds is added to the building stock. The rest is sent directly to landfill. (Defra 2007)
- During a time of oversupply, 95 per cent of the UK's biggest construction companies will use a subcontractor's environmental credentials as a key factor in deciding how to award contracts (NetRegs.gov.uk, May 2009)

RED RHINO 2000 SERIES MINI CRUSHER

TECHNICAL SPECS

- Crusher: Single toggle jaw crusher, 14% Manganese steel reversible jaws
- Power Source: Diesel/Petrol/Electric
- Chassis: 3PL, skid plate, trailer mount
- Output: 5mm-70mm range via hydraulic adjustment.
- Jaw Aperture: 400mm x 170 mm
- Weight: 740 kg* (depending on chassis configuration)
- Hydraulic Supply: 30l/min @150 bar. Hydraulic powerpack,
- Bobcat type Skidsteer or a tractor.
- Output: In excess of 6t per hour depending on material and loading method
- Unique Options: Conveyor system (a full conveyor is easily fitted or removed in minutes!), conveyor mounted screener (separates soil & fines), hydraulic reversible jaw action, reversible jaw plates giving '2 lives' per jaw plate,
- hydraulic lever bank, crushable material includes marble, concrete, glass, paving slabs, bricks, tiles, blocks, stone + can crush a full UK kerbstone in under 40 seconds!



RED RHINO 3000 SERIES MINI CRUSHER

TECHNICAL SPECS

- Crusher: Single toggle jaw crusher, 14% Manganese steel reversible jaws
- Power Source: Diesel/Petrol/Electric
- Chassis: 3PL, skid plate, trailer mount
- Output: 10mm-1000mm range via hydraulic adjustment.
- Jaw Aperture: 500mm x 250 mm
- Weight: 1740 kg* (depending on chassis configuration)
- Hydraulic Supply: 60l/min @150 bar.
- Output: In excess of 15t per hour depending on material and loading method
- Unique Options: Conveyor system (a full conveyor is easily fitted or removed in minutes!), conveyor mounted screener (separates soil & fines), hydraulic reversible jaw action, reversible jaw plates giving '2 lives' per jaw plate, manual
- hydraulic lever bank, crushable material includes marble, concrete, glass, paving slabs, bricks, tiles, blocks, stone + can crush a full UK kerbstone in under 40 seconds!



RED RHINO 4000 SERIES MINI CRUSHER

TECHNICAL SPECS

- Crusher: Single toggle jaw crusher, 14% manganese steel 'reversible jaws
- Engine: Perkins 14hp water cooled diesel.
- Fuel Consumption: 2 litres per hour (at 10.2kw/3600rpm).
- Fuel Capacity: 10 litres
- Chassis: Hydraulic rubber tracks, fast track lever
- Options: Conveyor mounted screener Jaw Aperture: 400mm x 170mm.
- Output Size: Instant hydraulic adjustment, choice of 10mm – 70mm.
- Control System: Manual hydraulic levers.
- Unique: Hydraulic reversible jaw action, reversible jaw plates, will travel through a standard doorway, can crush a full kerbstone in under 40 seconds.



RED RHINO 5000 SERIES MINI CRUSHER

TECHNICAL SPECS

- Crusher: Single toggle jaw crusher, 14% manganese steel reversible Jaws.
- Engine: Deutz 37hp water cooled diesel.
- Fuel Consumption: Approximately 6 litres per hour (at 28kw/2900rpm).
- Chassis: Hydraulic rubber tracks.
- Jaw Aperture: 500mm x 250mm
- Output: 15t–20t per hour has been achieved.
- Fuel Capacity: 22.5 litres. With an optional larger tank @ 45 litres
- Output Size: Instant hydraulic adjustment, choice of 10mm–100mm.
- Control System: Manual hydraulic levers and umbilical cord tracking.
- Unique: Hydraulic reversible jaw action, reversible jaw plates
- It can crush a full UK kerbstone in under 30 seconds.
- Options: Conveyor mounted screener attachment, overband magnet.



RED RHINO 7000 SERIES MINI CRUSHER

TECHNICAL SPECS

- Crusher: Toggle jaw crusher, 14% manganese steel 'reversible' jaws.
- Engine: Deutz 67hp water cooled diesel.
- Fuel Consumption: Approximately 12 litres per hour (at 50kw/2800rpm).
- Chassis: Hydraulic steel tracks.
- Jaw Aperture: 700mm x 400mm.
- Output Size: Instant hyd adjustment, choice of approximately 30mm–140mm.
- Fuel Capacity: 90 litres.
- Control System: Dual remote control and umbilical cord for all functions
- The crusher is also fitted with manual hydraulic levers.
- Unique: Choice of gravity feeder hopper or vibratory tray (see below).
- Options: Package consisting of vibratory feed tray, grizzly feeder, divert-chute and rear dirt conveyor for the separation of fines. An additional overband magnet and conveyor mounted screener are also available.

