



The gold standard in recycling systems

Project reference: PP18/12/14

McIntyre CAT Recycling solutions

For: JNC

Thursday 18th December 2014



Why Buy from McIntyre?

McIntyre, a JMC Recycling Systems Ltd company, has been the most trusted name in recycling for almost 150 years.

Why?

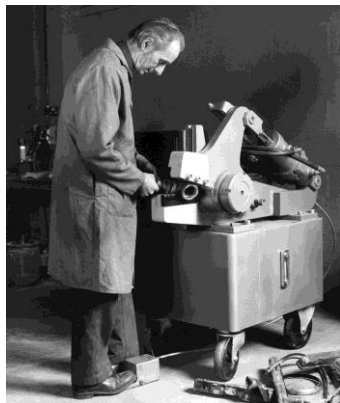
For starters, our knowledge of recycling is second to none. We offer the widest range of new and used machines for processing scrap metal, cars, waste and aluminium, and have installed 27,000 systems worldwide. We have also operated our own scrap yard since 1872 and designed many of the systems we offer today to meet our own exacting standards.

This experience has given us an unrivalled understanding of the challenges you face, and the ability to provide practical advice and bespoke, problem-solving designs that will help you maximise your profits.

Then there's our ISO 9001-certified manufacturing facility, stringent pre-testing processes, wide stock of spare parts and rapid response team. Combined, these guarantee you minimum downtime and the best return on your investment.

Based in Nottingham, UK, McIntyre is still proudly managed by our founding family with the same commitment to honest dealings, quality, choice, safety and customer care.

So it's no surprise that, today, McIntyre is recognised as *the* gold standard in recycling systems and services.



A McIntyre system in 1975

The original McIntyre scrap yard beneath Nottingham Castle, since 1872



McIntyre 407 CAT Shear

Designed to recover the precious metals found in Catalytic converters, JMC Cat shears also versatile enough to be used anywhere in your yard.

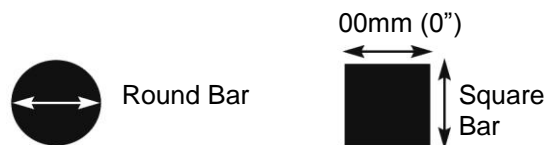
PURPOSE BUILT

JMC Cat shears have been purpose built for recovering precious metals from catalytic converters. The Catalytic converter is simply placed in the jaws and cut. The movement of the jaw is directly controlled by the moveable foot pedal and a V clamp holds the Cat in place during cutting. Once cut, the pinched end of the converter can be re-opened using the side bracket attached to the top jaw, allowing the contents to be poured out.



Technical Data

Machine dimensions:	1590 x 712 x 1352mm
Blade Length:	407mm / 16"
Tip to tip opening:	225mm / 8.9"
Shearing height:	934mm / 36.75"
Weight with oil:	900kg
Oil capacity:	200 Litres / 44 Gallon
Noise Level:	75 +/- 3dBA
Cut control:	Single Cut repeating
Standard Electrical Requirements:	32A / 3ph / 380-415v / 00Hz
Power Rating:	7.5 kW / 10hp
Motor speed:	1450 rpm
Max system Pressure:	214 Bar / 3100 psi
Max Shear force:	90 Tonnes
Fully open cut speed:	11 dry cycle cuts per min
40% Stroke cut speed:	28 dry cycle cuts per min
Cutting Capacity:	56mm (2.25") Round Bar 45mm (1.7") Square Bar



While we make every effort to ensure that our information is correct, technical data is for guidance only and subject to change. If any dimension or performance indication is important to you, please check with us before ordering.

Why is this the best for you?

- Wide variety of applications
- Can be fitted with optional CAT bracket
- Quick and easy to use and maintain
- Safe

UNIVERSAL

Although designed for catalytic converters, CAT Shears can be supplied without the V clamp and are then powerful enough to deal with a wide range of operations including the cleaning of automotive aluminium scrap, whole gear boxes, cylinder heads and blocks, oversized gate valves and the handling of all non ferrous separations. JMC CAT shears are a valuable additional to any non ferrous operation.

McIntyre 500 CAT Shear

The 500 CAT is designed for those needing just a bit more blade length without an equivalent increase in price.

VERSATILE

The 500 CAT gives customers just a bit more blade length without a big price increase. It is powerful enough to handle most non ferrous cleaning and sizing operations, and can also be fitted with an optional bracket enabling it to double up as a catalytic converter shear.

LONG LASTING

In common with all JMC shears, the 500 CAT has been designed and built to last. Blades are deep hardened for extended life, hardened chrome rod is used in the hydraulic ram, and components are all selected according to their quality over and above their price.

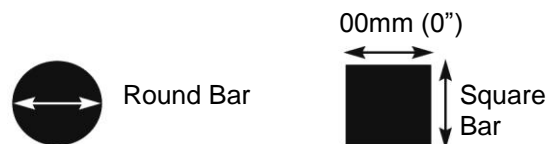


Why is this the best for you?

- Wide variety of applications
- 120 Tonne Shear Force
- Quick and easy to use and maintain
- Safe

Technical Data

Machine dimensions:	1690 x 712 x 1400mm
Blade Length:	508mm / 20"
Tip to tip opening:	225mm / 8.9"
Shearing height:	934mm / 36.75"
Weight with oil:	990kg
Oil capacity:	200 Litres / 44 Gallon
Noise Level:	78 +/- 3dBA
Cut control:	Single Cut repeating
Standard Electrical Requirements:	32A / 3ph / 380-415v / 00Hz
Power Rating:	7.5 kW / 10hp
Motor speed:	1450 rpm
Max system Pressure:	241 Bar / 3500 psi
Max Shear force:	120 Tonnes
Fully open cut speed:	8 dry cycle cuts per min
40% Stroke cut speed:	21 dry cycle cuts per min
Cutting Capacity:	56mm (2.25") (Round Bar)



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EASY TO OPERATE

The 500 CAT features a blade guard system which gives good visibility to the operator. The machine is foot pedal operated and the jaws return to the open position once the foot pedal is released to increase safety. Wheels are fitted as standard, and forklift points have been included on the body of the machine to ensure that it can be safely lifted both within the yard and during transportation.

McIntyre CAT Comrade Dust extraction system

A production platform and dust-extraction system designed to increase the recovery of precious metals from catalytic converters.

INCREASE PRODUCTION

The Cat Comrade provides a complete recycling solution for the processing of catalytic converters. This robust platform has an integrated fume filtration plant and is supplied with your choice of JMC catalytic converter shear.

The high specification dust extraction unit prevents escape of product to the elements, thereby ensuring the maximum possible recovery of precious metals. The platform is designed to incorporate two full-sized bins at the optimum height to allow processed materials to fall into a drum or bag. Use of the platform and associated conveyors will increase the productivity of your operators, and the incorporation of a quality JMC shear will improve cutting speed and performance .



Why is this the best for you?

- Elevated height for increased visibility
- High spec Dust Extraction Unit
- More effective dust recovery

Technical Data

Machine dimensions: (Total Unit)	4700 x 3800 x 3400mm
Power:	44kW (5.3hP)
Air flow rate:	up to 2380 m/hr
Connection hose:	200mm
Filter surface:	15.7 square metres - with auto shake filter cleaning mechanism
Dust collecting bin:	170 Litres
Voltage:	380-415V / 50hZ
Noise level:	79.5 dBA

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McIntyre CAT Shack

Designed to provide a safe and efficient working environment when recovering the precious metals found in Catalytic converters.

Maximise your retrieval

The McIntyre CAT shears provide an efficient method of separating the metal from the internal valuable dust found in catalytic converters. The process can be further improved both in terms of safety and recovery by incorporating a McIntyre shear into this purpose built dust extraction and material transport system. A filtration unit removes airborne dust at the shear head and a screw conveyor transports collected solid material from the shear into a collection bag. Using the McIntyre CAT Shack will ensure that the operator is protected from dust and as much of the catalytic converter contents is recovered as possible. This CAT Shack is compatible with McIntyre 407, 500 and 600 CAT shears.

Machine Dimensions

Width:	4,000mm
Depth:	3,065mm
Height:	3,200mm

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McIntyre 500CAT Shear & CAT Comrade

