

The Ride-on Saw

Lowery Supa Cutters has purchased three Ride-on Concrete saws. "So what" we hear you ask, "What advantage does a ride on saw have over other saws that are currently used by Lowery Supa Cutters?". The answer is that in most work that we do there is no advantage, there may even be a disadvantage. However, there are times when a ride on saw will be of great benefit to you, our customer.



Ride on 72hp saw fitted with lights, water tanks, and 1350mm blade

The big advantage that this machine has is that it has a huge amount of power, for a concrete saw.

The saw is powered by a 72hp turbo-charged Deutz diesel engine.

This engine drives an hydraulic pump that in turn drives the four basic functions of the saw: blade rotation, drive, steering and raising and lowering the blade. Again, So What? The saw has the ability to use a blade that is 1350mm. in diameter. This diameter blade allows us to cut to a depth of 600mm. The other main advantage is that we can adjust the blade rotation speed to suit exactly the diameter of the blade and still maintain full power. This may again be answered with a "So what", but this ability allows for the most cost effective concrete cutting. We can basically fine tune the machine so that the blade is working at its optimum, both speed of cut and for blade usage.

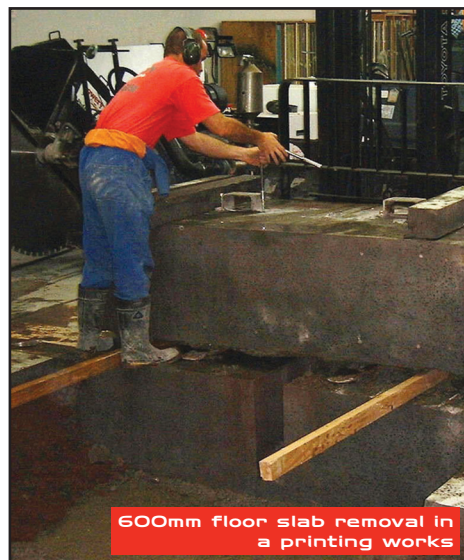
The other main advantage is that we have the ability to cut on an angle. There are two advantages on being able to

cut on an angle. The first is for ease of removal of the concrete, with the bottom being not as wide as the top, and the second is when it comes to reinstatement of the concrete.

There is less chance of the new concrete sinking or otherwise breaking up because of base course subsidence. Overall, you will be left with a neater job. The angle of the cut does not have to be that great, 5 degrees is normally sufficient. We have fitted the Ride-on saws with catalytic converters. This reduces the amount of exhaust emissions by about 95% which is an obvious benefit to those people working in the work area, our operators and of course the environment. These saws add to the range of equipment that Lowery Supa Cutters has to solve your concrete cutting and drilling problems. Lowery Supa Cutters team will help you solve your concrete cutting, drilling or removal problem. We are one phone call away.

Removal of 600mm Thick Floor

Lowery Supa Cutters were asked to remove a section of floor so that a new, thicker section could replace it for a machine base. From the drawings we anticipated that the floor was 400mm thick. On closer investigation we discovered that the floor was in fact 600mm thick, a perfect job for the ride on saw. We cut around the perimeter of the slab, and then cut the slab into three tonne pieces. We then used a fork hoist to lift each piece out for disposal. Our picture shows the fork hoist lifting the three tonne piece of concrete out of the floor using our lifting brackets. Each piece was 2 meters by 1 metre by 600mm thick. Concrete Cutting techniques were specified for this job as conventional breaking would have created a dust problem for the sensitive printing equipment adjacent to the work area. Noise was another factor, as was the risk of microfracturing of the remaining concrete.



600mm floor slab removal in a printing works

Technical Data

on CC8000 Ride-On Saw

- Engine Type and Size
72hp Turbo Charged Deutz Diesel with Catalytic Converter.
- Maximum depth of cut
600mm.
- Maximum angle of cut
20 degrees