



### A LOOK AT OUR CUSTOMERS LARGE DRIVE APPLICATIONS USING THE 100,000MAX AND 150,000MAX EARTH DRILLS

#### KAY MAINLINE - AUSTRALIA

Application: **Core Barrelling**  
Parent Machine: **Cat 320-325**

Kay Mainline, an Auger Torque dealer, are a manufacturer of core barrels and hard rock drilling equipment. They have provided the 100,000MAX to customers in Victoria which is typical for blue stone, known to be some of the most difficult ground to drill. The 100,000MAX has proven to be an ideal match for their 450mm and 600mm core barrels at a rotational speed of 8-12 rpm resulting in drill rates of up to 1.5m an hour through some of the toughest terrain in Australia.



#### WRB GROUP - AUSTRALIA

Application: **Hard Rock Augering**  
Parent Machine: **Multiple**

WRB Group are concrete retaining and fencing specialists who have worked with Auger Torque for a number of years. WRB predominantly use Auger Torque Earth Drills and Augers for the installation of retaining walls in South East Queensland. The 100,000MAX Earth drill has been used to drill at diameters of 450mm, 600mm and 900mm in some extremely rocky ground.

# CUSTOMER STORIES – 100,000MAX & 150,000MAX EARTH DRILL

## GROVER GROUNDWORKS - AUSTRALIA

Application: **Core Barrel & Hard Rock Drilling**  
Parent Machine: **Cat 328 LCR**

Grover Groundworks have purchased a number of high torque drives from Auger Torque including the new 100,000MAX and the old XHT150. Grover Groundworks predominately use the drives for core barrel and hard rock drilling in the Melbourne region. Auger Torque Earth Drills are chosen due to the performance, reliability and support they get from the team. They are currently testing the new 80,000MAX test units.



## JORDAN RAIL - AUSTRALIA

Application: **Core Barrelling & Hard Rock Drilling**  
Parent Machine: **Railroad excavator A922 Rail Litronic and various others**

Jordan Rail, is one of Auger Torque's long term customers who specialises in hard rock drilling. They operate exclusively in the rail sector and have a number of excavators that are wheeled and are able to go directly onto railways for maintenance and any drilling required by government owned rail operations. Paired with core barrels and hard rock augers, the 100,000MAX was chosen due to its high torque capability, but has a size and weight that means it can be moved easily between locations. Jordan Rail are a real advocate of Auger Torque due to the performance and reliability of the drives.

## MOUSE VALLEY – NORTHERN ENGLAND

Application: **Screw Piling - Railway**  
Parent Machine: **Kobelco SK350 LS**

Mouse Valley, Auger Torque's Scottish dealer sold a 100,000MAX Drive to a sheet foundation and piling drive contractor in Newcastle, UK. The drive was used for screwpiling on the railway infrastructure.



# CUSTOMER STORIES – 100,000MAX & 150,000MAX EARTH DRILL



## MOUSE VALLEY - SCOTLAND

Application: **Pre-Augering - Defence Walls on Seafront**  
Parent Machine: **Doosan DX300**

Mouse Valley, an Auger Torque dealer based in Scotland, sold a 100,000MAX Earth Drill to Burnside Piling. The drive was used for pre-augering prior to sheet piling, for defence walls along the sea front using a 300mm and 450mm width hard rock auger and drilling to 8m depth, through stony ground conditions.

## SARL MAXIMA - FRANCE

Application: **Complex Ground Drilling - Landfill**  
Parent Machine: **Komatsu PC290 LC**

Sarl Maxima is the Auger Torque key distributor for France. They sold a 100,000MAX Earth Drill for use on landfill methane recovery. The unit was installed on a Komatsu PC290 LC initially but has since been used on other similar sized carrier machines. With a 600mm diameter auger, it was used to drill methane vents (bore holes) up to 22-30m deep, for at least 6 hours a day, 5 days a week across multiple landfill sites. The ground type was extremely challenging as it was landfill waste from over many decades, so included steel, rubber, plastic, organic material etc. Due to this mix of material the auger regularly needs to be withdrawn and stripped of debris. The customer did have two 65,000MAX units previously but both were not suitable for this job which required the high torque and capable rotation under load in both directions. The customer is very pleased with the 100,000MAX, it is performing very well in this very challenging application, the first oil change showed no issues and customer is looking to purchase a second unit at start of 2023 – “you’ll never find a unit that works harder”.



## SARL MAXIMA - FRANCE

Application: **Tubular Pile Drilling - Railtrack**  
Parent Machine: **ACX 24RR**

The second 100,000MAX Earth Drill sold by Sarl Maxima was used for drilling tubular piles along a rail track for overhead gantry installation. The Earth Drill was used on an ACX 24RR, a rail excavator with 1.2-1.5m diameter tubular piles, to a depth of 3m. The ground consisted of loose sand, that needed to be removed from inside the pile and filled with concrete to house the pylons to support the gantries. The piles needed to be rotated in both directions under load and due to the distributors experience of 50,000MAX and 65,000MAX planet post rising they specified a drive that could achieve what they needed. They therefore chose the 100,000MAX drive to ensure consistent quality with minimal potential for failure and costly down time.

# CUSTOMER STORIES – 100,000MAX & 150,000MAX EARTH DRILL

## KELLER UK

Application: **Screw Piling - Construction**  
Parent Machine: **Cat 22T Excavator**

The 100,000MAX was used on a Keller screw piling job, for a three storey building extension to a hospital building during Covid-19. The drive was installed on a 22t CAT Excavator, with helical screw piles. 118 piles were required over a short time frame of 10 days, with a total of 869 meters of drilling. The Project Manager for Keller stated that the drive was powerful and provided the means to carry out the installation of the piles to meet the required deadline. Although a 22t parent machine is at the smaller end of the suitable size range, the 100,000MAX achieved the torque required and didn't slow the machine in any way.



## TC BROTHERS – THAILAND

Application: **Screw Piling - Construction**  
Parent Machine: **Komatsu PC 210**

TC Brothers, Auger Torque's South East Asian distributor sold a 150,000MAX for use on a screwpiling project for an airport expansion. The requirement from the customer was for speed of piling, minimal noise and minimum vibration. The drive was fitted to a Komatsu PC210, that also had a demolition arm installed for higher working reach. The screw pile contractor had enough torque to drive down the screw piles.



Part of the Auger Torque Earthmoving range

**EARTH DRILLS | AUGERS & WEAR PARTS | CONE CRUSHER BUCKET | TRENCHERS**