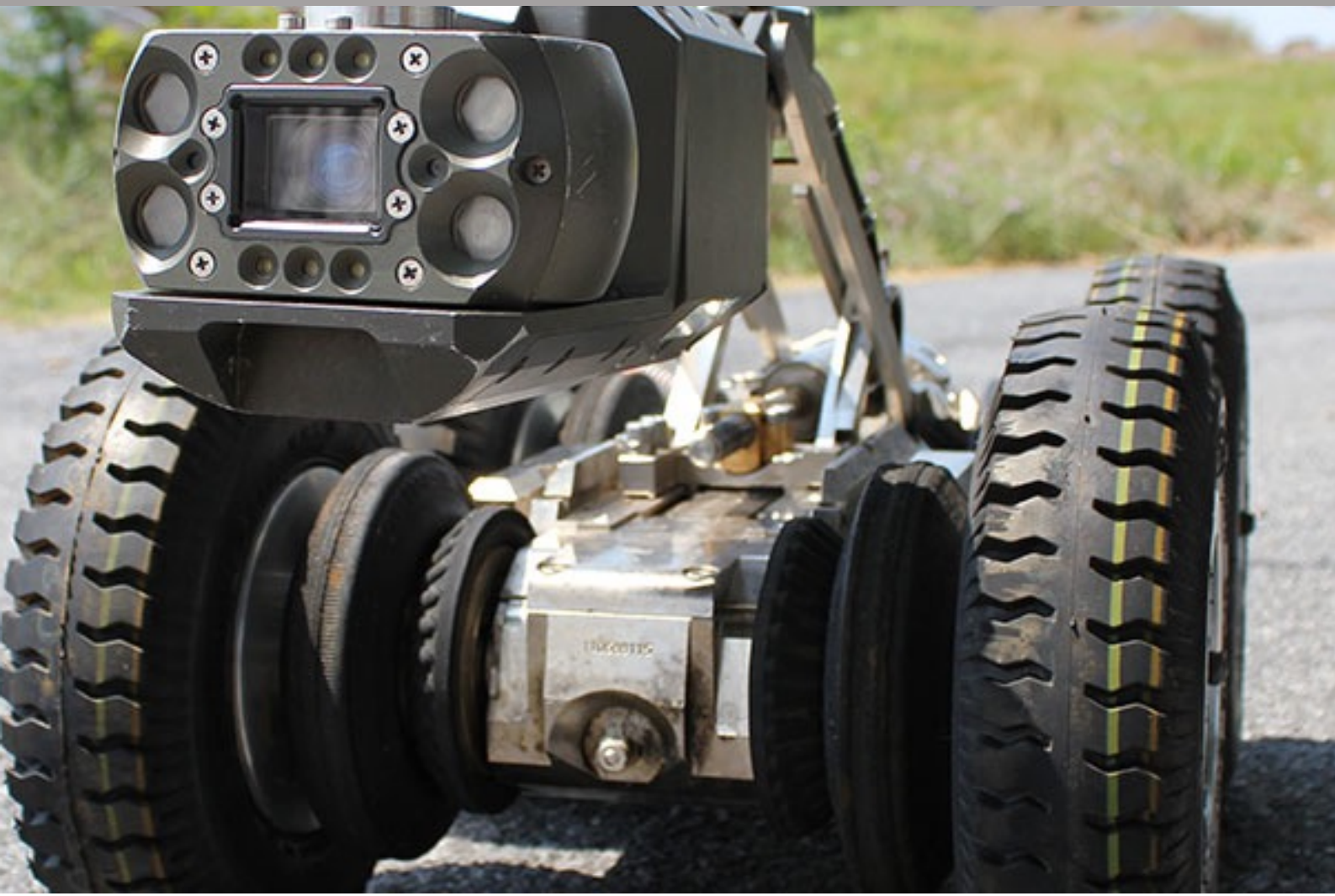




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EQUIPMENT & TECHNOLOGY





CAMERA'S AND TRACTORS



Rausch L 135 & KS135 camera tractor SPECIFICATIONS

- Pipe range 150mm > 3m+
- 300m of cable length
- Inclination fall and tilt sensors
- In built laser profiler measurement technology
- Pipe size verification
- Robotic 360° tractor mounted camera
- Centre of pipe 1800mm
- Skid steer technology
- Electronic lift
- Extra lift kit and wheel balance technology
- Extra lighting for large pipes
- Locating sonde for deflection, alignment and defect locating
- Steerable 4WD robotic tractor
- Remotely operated in vehicle unit



Rausch L 90 & KS60DB camera tractor

SPECIFICATIONS

- Pipe range 100mm > 600mm
- 300m of cable length
- Inclination fall and tilt sensors
- In built laser profiler measurement technology
- Robotic 360° tractor mounted camera
- Skid steer technology
- Tractor lift
- Wheel balance technology
- Light weight
- Extra lighting for large pipes
- Steerable 6WD robotic tractor
- Locating sonde for deflection, alignment and defect locating
- Remotely operated in vehicle unit





CCTV FLOAT | PUSH CAMERA | CCTV LOCATING



CCTV Camera Float

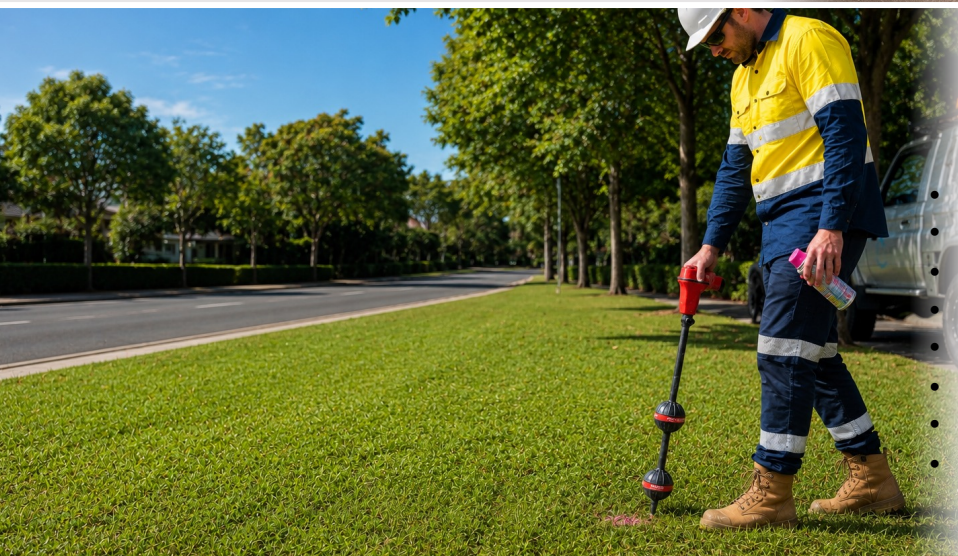
SPECIFICATIONS

- Pipe range 600mm > 3m+
- 300m of cable length
- Able to CCTV pipes that are permanently holding water/ tidal influenced
- Robotic 360° tractor mounted camera
- Electronic lift
- Extra lighting for large pipes
- Remotely operated in vehicle unit

Push Camera

SPECIFICATIONS

- Pipe range 50mm > 100mm
- 100m of cable length
- CCTV pipes that are in remote area
- Hard silicone cable for pushing around pipe bends
- Locating sonde
- Extra lighting for large pipes
- Remotely operated with live video screen
- Battery powered and operated



Camera Locating

SPECIFICATIONS

- Pipe range 50mm > 2m+
- 300m of cable reach
- CCTV pipes that are in remote area
- 3-5m deep
- Defect locating
- Pipe alignment locating
- Confirm buried assets exist & mark locations
- Metal detecting equipment



LASER PIPE PROFILING | PIPE SIZE VERIFICATION

53 Harte Street CHELMER
P12000075 -> P12000074
Cast-in-situ Concrete Round 1125

Conduit deformed, horizontal, 20% cross sectional area loss, Start



10:41

+1.0%

+0.00m

Laser Pipe Profiling & Pipe Size Verification

SPECIFICATIONS

- Identifies pipe deformation, ovality and diameter variations
- Pinpoints profile changes at accurate chainage locations
- Can be completed alongside a standard CCTV inspection
- Pipe range 150mm > 1800mm
- Creates 2 & 3D viewer
- Detailed interactive viewer software
- No confined space entries required
- Self-calibrating technology no manual interference or calibration
- Same day detailed reporting / results
- Pipe size verification or entire pipe length profile ovality measurements



MATERIAL
Concrete



DIAMETER
1125 mm



INSPECTION LENGTH
80.27 m



SEWER TYPE
1.80

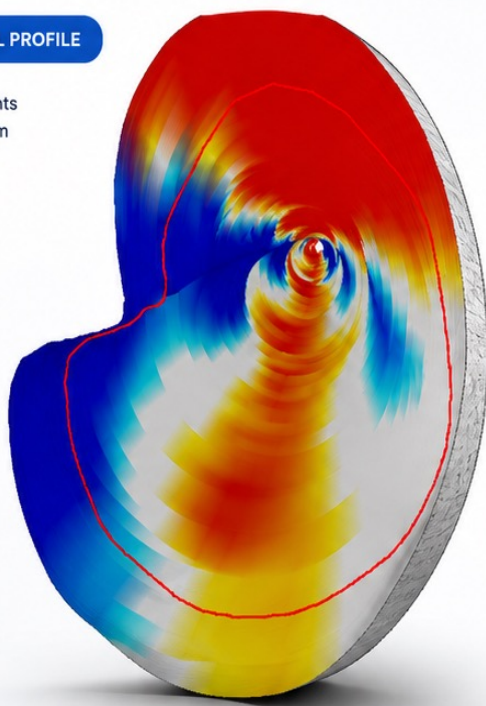


PATH LENGTH
1.80 m

3D INTERNAL PROFILE

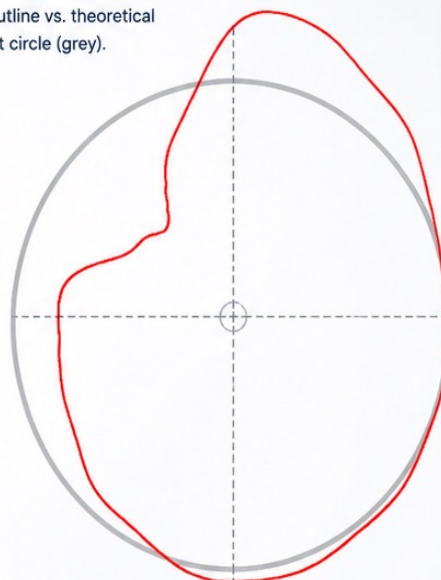
Color map represents radial deviation from theoretical circular shape.

RADIAL DEVIATION
(mm)



CROSS-SECTION DEFORMATION ANALYSIS

Red line shows measured pipe outline vs. theoretical perfect circle (grey).



DEFORMATION SUMMARY

HORIZONTAL
-105 mm

VERTICAL
156 mm



MAN HOLE SCANNING | RAPID CCTV



QuickView 360 MH Scanning Reports

SPECIFICATIONS

- Standard-definition camera system
- WinCan VX reporting
- Completed to WSAA specifications
- Fully battery-operated equipment
- Detailed 2D and 3D graphs and models
- Records incoming and outgoing connection details
- Captures the complete internal manhole structure
- Provides dimensions, depths and connection locations
- No confined-space entry required

QuickView Air RAPID CCTV Quickview

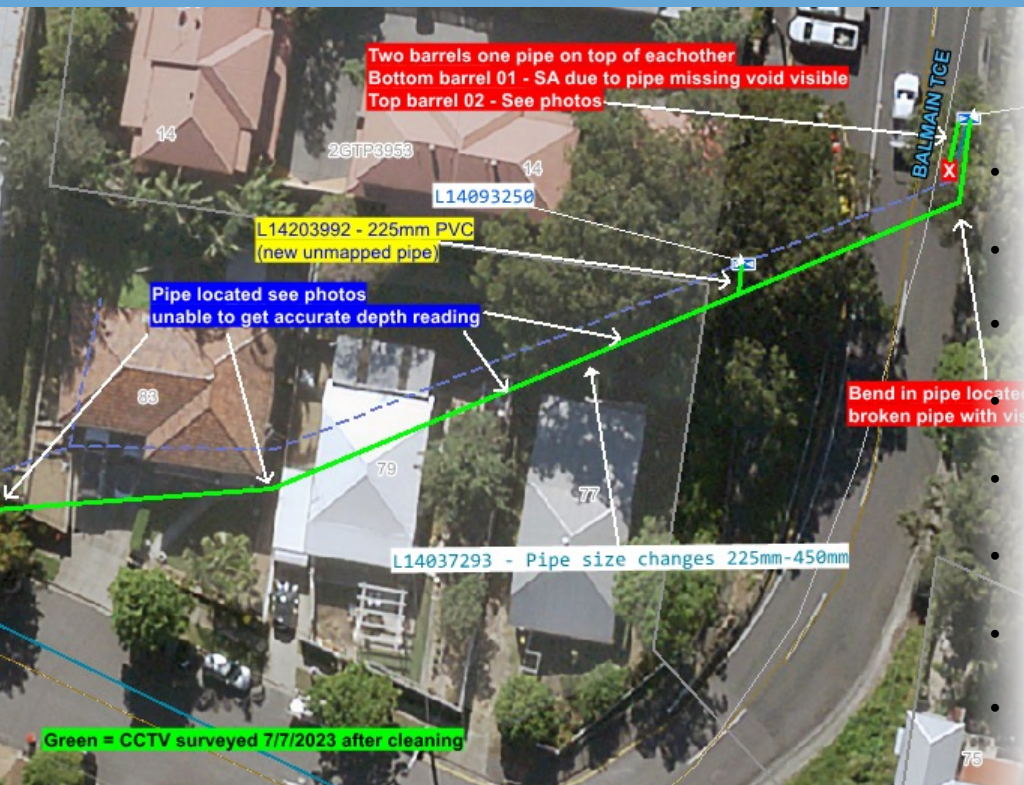
SPECIFICATIONS

- Standard-definition camera
- 30× optical zoom
- 10× digital zoom
- Battery-operated portable system
- WinCan VX reporting
- Rapid inspection for identifying major defects
- Inspections completed from the surface
- No confined-space entry required
- Ideal for quickly prioritising assets requiring further CCTV inspection
- Captures clear images of pipe condition, obstructions and connections





ASSET MAPPING & DRAIN CLEANING



Online Asset Mapping GIS

SPECIFICATIONS

- Detailed maps created using Council GIS information
- Verifies asset location, identification and flow direction
- Integrated with WinCan VX CCTV reporting
- Links CCTV footage, reports and mapping information
- Displays inspection comments, defects and project status
- Existing Council ArcGIS asset identification can be used
- Unmapped assets can be labelled to client specifications
- Maps supplied as a PDF and attached to the CCTV report

Drain Cleaning

SPECIFICATIONS

- Combination vacuum jetter truck and trailer drain-cleaning units
- UDOT pump delivering 100 LPM at 3,000 PSI
- 3/4-inch x 150 m jetting hose rated to 4,000 PSI
- 1,150 L onboard water tank
- 180-degree pivoting hose reel with multi-point locking
- Suitable for drain sizes from 100 mm to 800 mm
- Various jetting nozzles for different pipe materials, flow requirements and obstructions
- Can be used with CCTV unit to clean and inspect in one operation
- Portable trailer units available for remote or restricted-access locations





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FLEET





CCTV UNIT 1



SPECIFICATIONS

CCTV01 (CCTV unit 1):

- 2 x WSAA trained and accredited staff
- 2018 Renault master van
- 2018 CCTV Rausch system inspection
- 4WD robotic cameras (pan and tilt) and tractors x2- Application range 100mm to 2100mm plus with all extra's
- 300m of cable
- Full laser profiling capabilities
- CCTV float inspection device
- Inbuilt sonde and detector for locating defects/ camera location.
- **100% powered by our innovative solar technology**
- Full Wincan VX software license
- Windows 10 computer, full internet capabilities, using Map Info GIS software to read and utilise the Principal's GIS shapefiles and associated GIS datasets.
- Fully equipped and stocked with all necessary safety equipment, workman signs, flashing lights, PPE, traffic cone bars, traffic cones and hard copy safe working procedures.

CCTV UNIT 2

SPECIFICATIONS

CCTV02 (CCTV unit 2):

- 2 x WSAA trained and accredited staff
- 2019 Renault master van
- 2020 CCTV Rausch system inspection
- 4WD robotic cameras (pan and tilt) and tractors x2- Application range 100mm to 2100mm plus with all extra's
- 300m of cable
- Full laser profiling capabilities
- CCTV float inspection device
- Inbuilt sonde and detector for locating defects/ camera location.
- **100% powered by our innovative solar technology**
- Full Wincan VX software license
- Windows 10 computer, full internet capabilities, using Map Info GIS software to read and utilise the Principal's GIS shapefiles and associated GIS datasets.
- Fully equipped and stocked with all necessary safety equipment, workman signs, flashing lights, PPE, traffic cone bars, traffic cones and hard copy safe working procedures.





CCTV UNIT 3

SPECIFICATIONS

CCTV03 (CCTV unit 3):

- 2 x WSA trained and accredited staff
- 2021 Renault master van
- 2021 CCTV Rausch system inspection
- 4WD robotic cameras (pan and tilt) and tractors x2- Application range 100mm to 2100mm plus with all extra's
- 300m of cable
- Full laser profiling capabilities
- CCTV float inspection device
- Inbuilt sonde and detector for locating defects/ camera location.
- **100% powered by our innovative solar technology**
- Full Wincan VX software license
- Windows 10 computer, full internet capabilities, using Map Info GIS software to read and utilise the Principal's GIS shapefiles and associated GIS datasets.
- Fully equipped and stocked with all necessary safety equipment, workman signs, flashing lights, PPE, traffic cone bars, traffic cones and hard copy safe working procedures.



CCTV UNIT 4

SPECIFICATIONS

CCTV04 (CCTV unit 4):

- 2 x WSA trained and accredited staff
- 2022 Renault master van
- 2023 CCTV Rausch system inspection
- 4WD robotic cameras (pan and tilt) and tractors x2- Application range 100mm to 2100mm plus with all extra's
- 300m of cable
- Full laser profiling capabilities
- CCTV float inspection device
- Inbuilt sonde and detector for locating defects/ camera location.
- **100% powered by our innovative solar technology**
- Full Wincan VX software license
- Windows 10 computer, full internet capabilities, using Map Info GIS software to read and utilise the Principal's GIS shapefiles and associated GIS datasets.
- Fully equipped and stocked with all necessary safety equipment, workman signs, flashing lights, PPE, traffic cone bars, traffic cones and hard copy safe working procedures.





CCTV UNIT 5

SPECIFICATIONS

CCTV05 (CCTV unit 5):

- 2 x WSA trained and accredited staff
- 2024 Renault master van
- 2024 CCTV Rausch system inspection
- 4WD robotic cameras (pan and tilt) and tractors x2- Application range 100mm to 2100mm plus with all extra's
- 300m of cable
- Full laser profiling capabilities
- CCTV float inspection device
- Inbuilt sonde and detector for locating defects/ camera location.
- **100% powered by our innovative solar technology**
- Full Wincan VX software license
- Windows 10 computer, full internet capabilities, using Map Info GIS software to read and utilise the Principal's GIS shapefiles and associated GIS datasets.
- Fully equipped and stocked with all necessary safety equipment, workman signs, flashing lights, PPE, traffic cone bars, traffic cones and hard copy safe working procedures.



CCTV UNIT 6

SPECIFICATIONS

CCTV06 (CCTV unit 6):

- 2 x WSA trained and accredited staff
- 2025 Renault master van
- 2025 CCTV **Rausch HD system** inspection
- 4WD robotic HD cameras (pan and tilt) and tractors x2- Application range 100mm to 2100mm plus with all extra's
- 300m of cable
- Full laser profiling capabilities
- CCTV float inspection device
- Inbuilt sonde and detector for locating defects/ camera location.
- **100% powered by our innovative solar technology**
- Full Wincan VX software license
- Windows 10 computer, full internet capabilities, using Map Info GIS software to read and utilise the Principal's GIS shapefiles and associated GIS datasets.
- Fully equipped and stocked with all necessary safety equipment, workman signs, flashing lights, PPE, traffic cone bars, traffic cones and hard copy safe working procedures.





CCTV UNIT 7



SPECIFICATIONS

CCTV07 (CCTV unit 7):

- 2 x WSAA trained and accredited staff
- 2026 Renault master van
- 2025 CCTV Rausch HD system inspection
- 4WD robotic HD cameras (pan and tilt) and tractors x2- Application range 100mm to 2100mm plus with all extra's
- 300m of cable
- Full laser profiling capabilities
- CCTV float inspection device
- Inbuilt sonde and detector for locating defects/ camera location.
- **100% powered by our innovative solar technology**
- Full Wincan VX software license
- Windows 10 computer, full internet capabilities, using Map Info GIS software to read and utilise the Principal's GIS shapefiles and associated GIS datasets.
- Fully equipped and stocked with all necessary safety equipment, workman signs, flashing lights, PPE, traffic cone bars, traffic cones and hard copy safe working procedures.

CCTV08 UNIT 4X4 | Portable System | Push Camera | CSE | Quickview 360

SPECIFICATIONS

CCTV08 (CCTV unit 8):

- 1 x WSAA trained and accredited staff
- **4X4 2022 Toyota Landcruiser** – able to access even the most remote locations
- 2024 CCTV Rausch portable system
- 4WD robotic cameras (pan and tilt) and tractors x2- Application range 100mm to 2100mm plus with all extra's
- 200m of cable
- Inbuilt sonde and detector for locating defects/ camera location.
- Push camera capability with 100m of cable
- Confined Space entry equipment
- QuickView 360 manhole camera equipped
- QuickView Air camera equipped
- **100% powered battery powered and remote. Can access anywhere it can be wheeled to.**
- Full Wincan VX software license
- Windows 10 computer, full internet capabilities, using Map Info GIS software to read and utilise the Principal's GIS shapefiles and associated GIS datasets.
- Fully equipped and stocked with all necessary safety equipment, workman signs, flashing lights, PPE, traffic cone bars, traffic cones and hard copy safe working procedures.





Combination Vacuum Drain Cleaner – Heavy Cleaning



SPECIFICATIONS

COM01 (Combination Vacuum Drain Cleaner 1):

- Heavy-duty Cappellotto combination drain-cleaning unit
- High-pressure jetting, vacuum recovery and hydro excavation capabilities
- Designed for heavy sewer, stormwater and civil drainage cleaning
- Suitable for removing silt, sludge, sediment, debris and stubborn obstructions
- Hibon vacuum blower rated at **2,822 m³/hr**
- Hydro excavation pump operating at up to **280 bar**
- **8,000 L stainless-steel combined water and sludge tank system**
- **4,300 L sludge tank capacity**
- Remote-control operation for improved safety and control
- Overhead suction boom with **270° rotation**
- Capable of cleaning and recovering waste material in one operation
- Suitable for pipes, pits, manholes, culverts and civil infrastructure works

Drain Cleaning Trailer 1

SPECIFICATIONS

DCT01 (Drain Cleaning Trailer unit 1):

- *HPWJ trained and accredited staff*
- 2023 SEWERJETT Ranger Turbo R50T-100
- UDOR 100 LPM @ 3000 PSI
- Enivroline E-Jett Control system
- Safety beacon, lighting & tools
- 3/4 inch x 150m, 4000 PSI Jetting hose
- Autec Industrial remote control
- Can be used in conjunction with a CCTV Unit to clean and CCTV all in one
- Able to access the most remote locations
- 1150 L water tank
- 180 Degree pivoting hose reel with multi point locking
- Drain sizes 100-800mm
- Various Jett nozzle for different application ranges, pipe materials, pressures/ flow and obstructions





Drain Cleaning Trailer 2



SPECIFICATIONS

DCT02 (Drain Cleaning Trailer unit 2):

- HPWJ trained and accredited staff
- 2023 SEWERJETT Ranger Turbo R50T-100
- UDOR 100 LPM @ 3000 PSI
- Enivroline E-Jett Control system
- Safety beacon, lighting & tools
- 3/4 inch x 150m, 4000 PSI Jetting hose
- Autec Industrial remote control
- Can be used in conjunction with a CCTV Unit to clean and CCTV all in one
- Able to access the most remote locations
- 1150 L water tank
- 180 Degree pivoting hose reel with multi point locking
- Drain sizes 100-800mm
- Various Jett nozzle for different application ranges, pipe materials, pressures/ flow and obstructions

Drain Cleaning Trailer 3

SPECIFICATIONS

DCT03 (Drain Cleaning Trailer unit 3):

- HPWJ trained and accredited staff
- 2022 SEWERJETT Ranger Turbo R50T-100
- UDOR 100 LPM @ 3000 PSI
- Enivroline E-Jett Control system
- Safety beacon, lighting & tools
- 3/4 inch x 150m, 4000 PSI Jetting hose
- Autec Industrial remote control
- Can be used in conjunction with a CCTV Unit to clean and CCTV all in one
- Able to access the most remote locations
- 1150 L water tank
- 180 Degree pivoting hose reel with multi point locking
- Drain sizes 100-800mm
- Various Jett nozzle for different application ranges, pipe materials, pressures/ flow and obstructions





Ready to discuss your project?

Speak with Drain Tech Australia about CCTV pipe inspections, drain cleaning, pipe locating, manhole inspections and underground asset reporting.

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