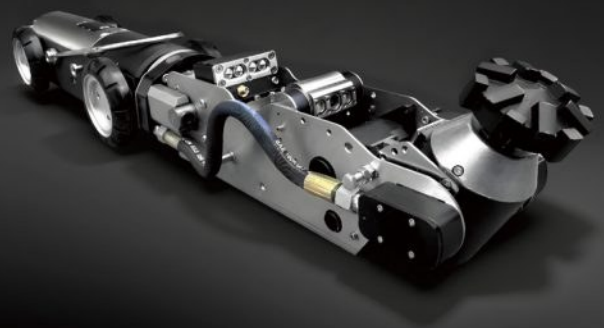
SROD
ROBOTICS

# T200

## Pipe Cutting Robot

- *Powerful pneumatic cutting motor*
- *High-freedom cutting arm*
- *Precisely control the cutting*
- *DN150~1000*



# T200 PIPE CUTTING ROBOT



## Product Introduction

Turbo cutting robot is an intelligent pipe repair device suitable for pipe diameters ranging from DN200 to 800mm.The ultra-high-power pneumatic motor can quickly remove pipe tree roots, steel bar intersections, pipe scale, cement grouting blocks, pipe blockages, etc.The top of the vehicle body is equipped with pneumatic pressure rails and a stable chassis, which can achieve better stability and traction during operation.

The powerful pneumatic cutting motor ensures high efficiency in cutting concrete

Precisely control the cutting and grinding work to avoid damaging the pipe wall

The pneumatic pressure rail ensures stability and traction during the cutting operation process

The cutting arm can rotate axially and radially, and the joint of the pneumatic motor can also rotate

## System Components



Robot body | Cable reel | Controller | Air compressor (optional)

| Specifications | |
|---|---|
| Scope of application | DN200-800mm ( For DN600 and above, a matching extended chassis needs to be installed ) |
| Main uses | Remove internal obstacles such as tree roots, cement, stones, and concealed connections of branch pipes. Pre-treatment before the repair of water supply and drainage pipes |
| Cutting head | It comes standard with one diamond cutting head and one steel brush head. Optional components include a steel bar grinding wheel and an extension rod for the cutting head |
| Mechanical arm | The all-round high-degree-of-freedom mechanical arm can rotate 400° axially and lift 90° radially. The pneumatic motor joint can also rotate 90°. It adopts dual joysticks for precise control of rotation movements and is equipped with an adjustable lighting system |
| Robot vehicle body | With an IP68 protection rating, it is equipped with an internal pneumatic guide rail to provide sufficient friction during grinding. It comes with a complete set of widened bushings and a widened chassis, making it more versatile |
| Cable reel | Remove internal obstacles such as tree roots, cement, stones, and concealed connections of branch pipes. Pre-treatment before the repair of water supply and drainage pipes |
| Supporting requirements | Air compressor: 3m³/min, 10bar, including condenser, water vapor separator, oil and gas separator, capable of providing dry compressed air at 5-40℃ ; Power supply: 220V, 50Hz AC |
| Optional functions | Video recording, STL branch pipe cutting and grinding robot combination, local pipe repair components |
| Size and weight | Robot body: 1050mm (L) x180mm (Ø), weighing 75kg<br>Cable winch: 820 x 670 x 1030 mm, weighing 115kg |

## Application Show



