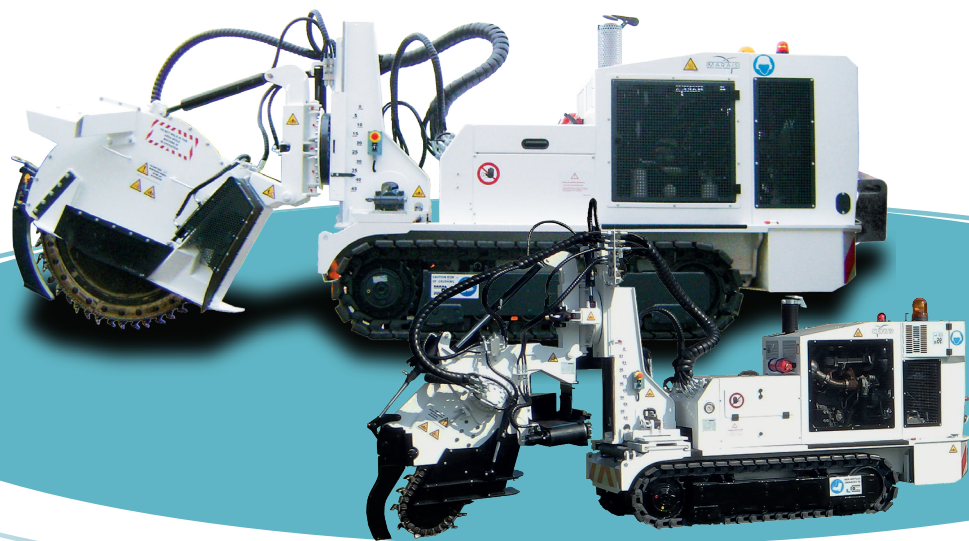# Building of fiber optic networks in an urban environment FTTx

# SIDECUT SC3C

## Performance of microtrenches for the deployment of fiber optic networks in a urban environment

### Process
- Axially driven cutting wheel
- Cutting chain
- Microtrench for fiber optic network

### Specific features
- Limited size of the vehicle, which allows cutting in sidewalks
- Dry microtrenching with a vaccum system in option
- Sound proofing of the components
- No blasting and no dust during the burying works
- Quick network deployment process

### Assets
- The microtrench and the job site are clean
- Speed of execution,
- No disturbance to pedestrians during the works
- Limited disturbance to residents
- Increased safety of the jobsite
- No damage to road foundations
- Sidewalk can be used again very soon
- Reduction in building costs
- Trenching in curbs

### Innovation
- Fully remote controlled

### Output
- Between 40 and 120 ml/hour

## Features of the cutting tool

• Axially driven cutting wheel

| Type of wheel | Cutting width (mm) | Trench depth (mm) |
|---|---|---|
| R250 | 25 to 60 | 250 |
| R350 | 35 to 70 | 350 |
| R450 | 45 to 80 | 450 |

Cutting chain

| Type of chain | Cutting width (mm) | Trench depth (mm) |
|---|---|---|
| C570 | 100 120 | 570 |
| C840 | 150 | 840 |

• Cutting tool mounted on 5-axis boom

• Slope correction of the tool  ± 15°

• Lateral offset of the tool outside the machine: 250 mm

### Sizes and weight

• Length in working position: 4.80 m to 5.30 m according to the tool

• Length in transport position: 4.50 m to 5.00 m according to the tool

• Width: 1.10 m

• Height: 1.80 m

• Unloaded weight: 4 to 4.50 tons according to the tool

## Technical diagram
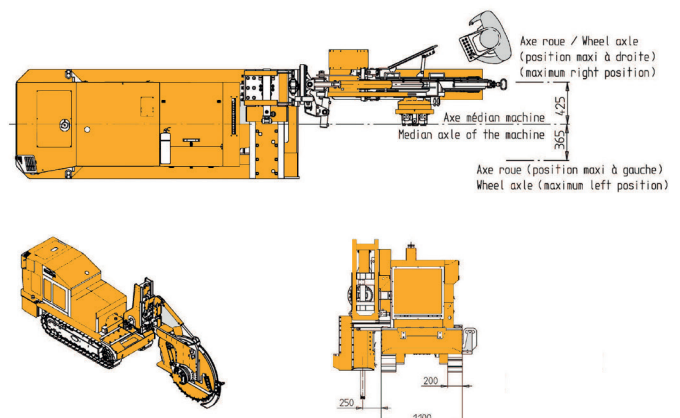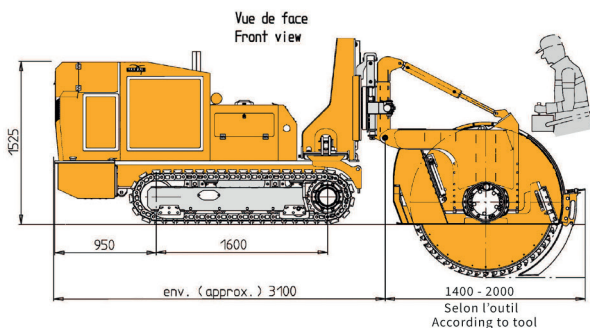


### Carrier

• Carrier with caterpillar

• 100 ch (73,6 kW) diesel engine

• Hydrostatic advance

### Accessoires

• Remote control

• Wheel equipped of a suction system

# MARAIS
TESMEC GROUP COMPANY

**www.samarais.com**