MARAIS
TESMEC GROUP COMPANY

Building of fiber optic networks in an urban environment FTTx

SIDECUT SC4P

A performant microtrencher for the deployment of fiber optic networks in urban environment

Process

- Axially driven cutting wheel
- Microtrench for fiber optic network

Specific features

- Limited size of the vehicle, which allows cutting in sidewalks
- Dry microtrenching
- Sound proofing of the components
- No blasting and no dust during the burying works
- Quick network deployment process

Innovation

- Fully remote controlled
- Radio with LCD display showing working parameters (remotely available via Re.M portal):
  - Trenching hours (total/partial)
  - Trenching distance (total/partial)
  - Trenching depth
  - Machine operating parameters (pressure & temperature)
  - Faults/anomalies

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 curves

Output

- Between 40 and 120 m/hour

Features of the cutting tool

• Axially driven cutting wheel

Type of wheel	Cutting width (mm)	Trench depth (mm)
R350	35 to 70	up to 350

• Cutting tool mounted on 5-axis boom
• Slope correction of the tool ± 15°

Sizes and weight

• Length in working position: 4.55 m
• Width: 1.05 m
• Height: 1.93 m
• Weight: ca. 3 t

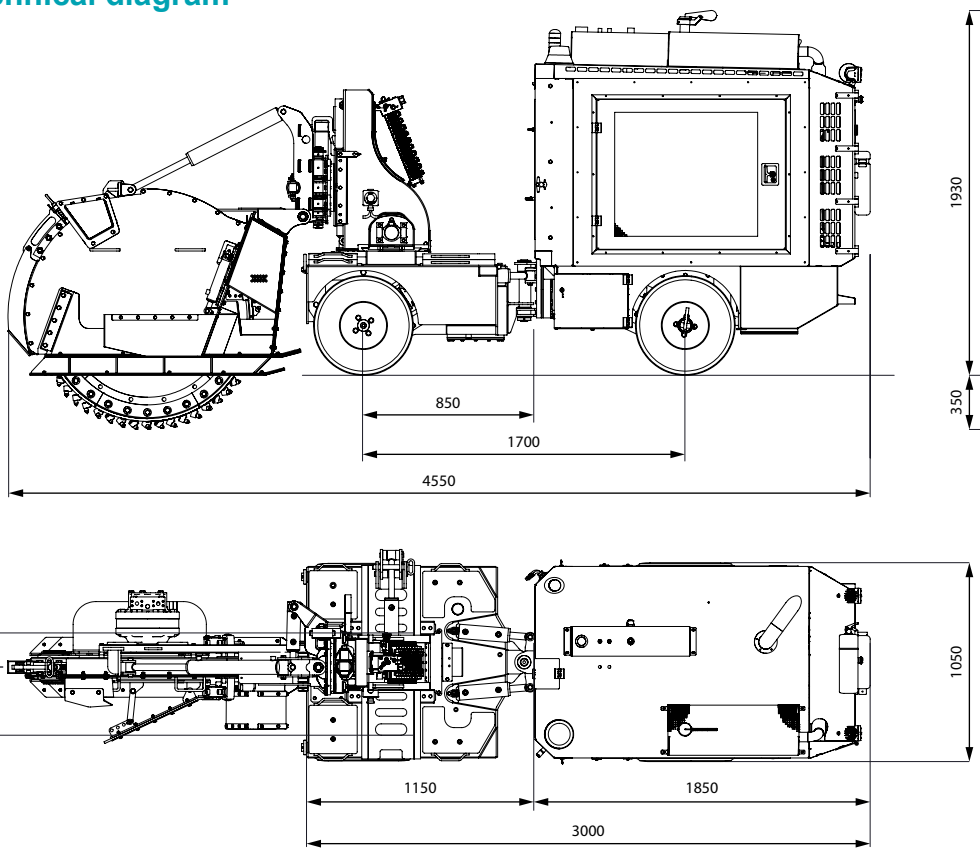
Carrier

• Articulated carrier with 4 wheel drive
• 74 ch (54.5 kW) Tier 4 stage 3B diesel engine
• Hydrostatic translation

Accessories

• Remote control

Technical diagram



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