

**Building of
networks in
urban and
motorway
environments**



CLEANFAST

**Performance of
microtrenches for
the deployment of
optic and electric
networks in urban
and motorway
environments**

Process

- Axially driven cutting wheel with simultaneous suction and collection of the excavated material.
- Laying of the ducts and backfilling of the trench with a quick-setting and self-placing mortar.

Specific Features

- Easily usable road vehicle.
- Sound-proofing of the components.
- Excavated material loaded by suction.
- No material nor dust thrown out during earth works.
- Quick network deployment process.

Assets

- Cleanliness of trenches and job site.
- Vehicle traffic not interrupted during the works.
- Limited disturbance to residents.
- Increased safety of the work site.
- Preservation of the road foundations.
- Quick restoration of the road.
- Reduction in building costs.

Innovations

- Combined cutting and suction of the excavated material.
- Quick-setting and self-placing backfill mortar.

Output

- Up to 600 lm/day in an urban environment.
- Up to 2 000 lm/day on motorway.



Features of the Cutting Tool

- Type : axially driven cutting wheel

Type of wheel	Cutting widths	Trench depths
RT 135	80 to 130 mm	250 to 500 mm
RT 135 E	60 to 100 mm	250 to 500 mm

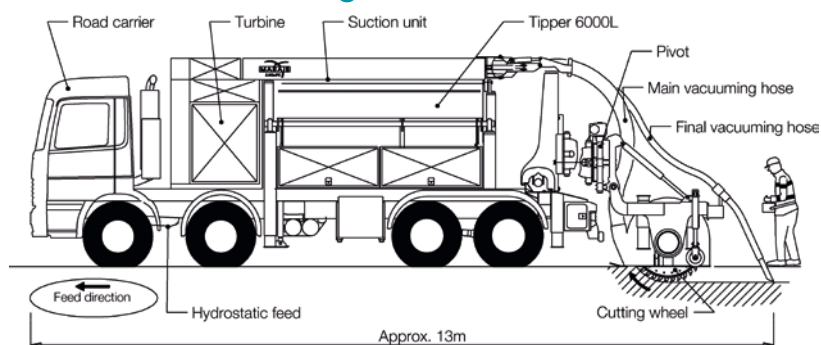
- Cutting tool mounted on double pivot : cutting radius = 9 m
- Side offset of the tool outside the machine : 250 mm opposite side from driving seat (right or left)

Sizes and Weight of the Unit

- Length in working position : Approx. 12 m (6x4 version)
- Length in transport position : 9 m
- Width : 2.50 m
- Height : 3.60 m
- Unloaded weight : 21 tons
- Loaded weight : 26 tons
- Excavated material loading capacity of the bucket : 6 m³ abounded
- Unloading height of the bucket : 1.50 m
- Height of the bucket in lifted position : 5.50 m



Technical Diagram



Motor Drive System

- 360 HP (265 kW) and 410 HP (300 kW) diesel thermal motor
- 85 kW hydraulic turbine

Chassis

- Road carrier 6x4 or 8x4

Accessories

- Excavated material suction unit 24 000 m³/hr rate
- Video guiding system
- Radiocontrol piloting
- Dual feed system mechanical/hydrostatic
- Complete filtration of air rejections with automatic filter cleaning system