

# FREKOMOS

ČLAN GRUPE



## MILLING OF ASPHALT

Cold milling machines are used for the quick, highly efficient removal of old or damaged asphalt and concrete pavements.

## FOR YOUR BETTER ROADS

[frekomos.hr](http://frekomos.hr)

Frekomos d.o.o. (Ltd.) is a specialized construction company for civil engineering works and it is member of the Danish Pankas Group, which operates in Denmark, Germany, Poland, the Czech Republic, Slovakia, Hungary, Romania and Ukraine.

The company was founded in Croatia in 2018 in order to upgrade its offer and the possibility of performing roadworks with its specialized technologies. The technologies offered by Frekomos contribute to reducing the amount of waste and limiting the extraction of natural non-renewable resources.

The mission of Frekomos d.o.o. is to monitor the newest standards and application of modern technologies for the construction, reconstruction and repair of road infrastructure with the emphasis on recycling and reusing old asphalt layers of roadway cover according to the highest environmental standards.





## MILLING OF ASPHALT

## Technology of milling works

- Milling of constant thickness
- Milling to stipulated lateral incline
- Smoothing of lengthwise unevenness by multipoint levelling
- Milling according to guide rope
- Milling according to laser sensor
- Levelling of furrows using special fine milling drum
- Milling of local pot holes
- Milling of channels for engineering networks
- Complete liquidation of communication routes and surfaces
- Grinding of existing surfaces and keeping in place – pre-milling before cold state recycling on site

### Fine milling

Fine milling is performed using a Wirtgen miller with a coverage width of 2m with a special fine drum. The fine drum differs from standard milling machine milling drums due to its larger number of milling picks on its circuit. In this case there are 300 picks in comparison with the usual 150. This reduces the spacing in the grooving of the surface being milled. The texture of a surface milled in this manner is finer.



Nowadays it is impossible to perform roadworks on highways, motorways or local communication routes without the equipment for cold milling of road surfaces. Road milling machines are used for removing old or damaged layers, particularly when it is necessary to preserve the original profile grade after laying new covering layers or if it is necessary to adjust the profile grade of the road surface due to the demands placed on it by the increasing traffic. It is also possible to use this equipment for chipping the road surface in dangerous sections, as for levelling unevenness and deformations of the surface.

## Machine fleet

### Small milling machines

Wirtgen W100 Cfi is compact cold milling machine with the front loader in the one-metre class impresses with high performance and flexibility. The milling drum unit offers a multitude of highly useful innovative features; maximum milling depths of up to 330 mm can be achieved.

Maximum power: 345 HP, Cooling: water, Maximum milling speed: 0 to 43 m/min (2,6 km/h), Operating weight: 19.000 kg

### Large milling machines

Wirtgen W200i is compact front loader for efficient milling. The large milling machine performs excellently both on large construction sites and construction sites with limited space. The machine offers a wide range of applications including surface course rehabilitation, complete pavement removal and fine milling jobs.

Milling width standard: 2 000 mm, Milling width optional: 2 200 mm, Milling depth: 0-330 mm, Maximum power: 610 HP, Cooling: water, Maximum milling speed: 0 to 85 m/min (5 km/h), Operating weight: 28.250 kg

