

→ **Hydroblasting**
& **Friction measurements**



NEOVIA
La nouvelle voie

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→ *NEOVIA takes care of maintenance and renovation of roads and runways*

The maintenance of airport runways

The continuing increase in traffic, the evolution of larger aircraft, the issues of safety and security require airport infrastructure manager's strict compliance with the regulations in force.

NEOVIA Technologies, leader in removal of rubber on runways, responds to these challenges and deploys the largest fleet of machines in Europe.



UHP technology (Ultra High Pressure)

The hydroblasting technology means clear water projection at high pressure (above 1500 bars).

Neovia Technologies has that capability for airfields, this innovative technology allows treatment of roads and runways and restores the performance (adherence, friction characteristics and visual aspect). This technology can be used on all existing surfaces (asphalt, main roads, motorways, runways).



- Service pressure: 2500 bars - this maximum pressure is used for all sites for greater efficiency and better yields.
- Output 35L/min: low output which ensures sustainability of the cleaning media and maximises autonomy of the equipment.



Hydroblasting (rubber removal)

Safety is of major issue on airports and in particular friction resistance of the runways which are subject to rigorous scrutiny as required by European Aviation Safety Agency (EASA).

Hydroblasting of the surface allows removal of the rubber deposits and ensures the runway surface friction characteristics conforms to the recommendations by the EASA and ICAO (International Civil Aviation Organisation).

Hydroblasting objectives

- Removal of rubber from the touch down areas.
- Exceed the minimum friction level specified by the State.
- Preserve the condition and quality of the runway surface.



Key figures

- Average of 1 000 m²/h per machine with 6 hours continual machine usage.
- Output capacities: 6 machines available.
- 750 000 m² maintained each year.

Major features

- In emergency situation the equipment can be removed from the runway immediately.
- Measured friction values after treatment are greater than the minimum specified by the state regulation.
- Does not damage the runway surface.
- The runway is available for use immediately after work is completed.



Friction measurements



On runways, as on roads, user's safety is linked to the friction properties of the pavement. Determination of friction characteristics keep the surfaces at the required and appropriate service level.

Objectives of the measurements

- Measure the adhesion of airport runways in order to control the functional adhesion.
- Analyse measures and check their compliance with the minimum threshold specified by the State.
- Define, if applicable, the part of the track that requires a corrective maintenance action.

Major features

- Roads and airport runways maintenance.
- Measures at 65 km/h and 95 km/h.
- Ongoing measurements.
- EASA and ICAO approved measurement equipment.
- Results expressed in graphs and spreadsheets.



People

NEOVIA has positioned people at the heart of the company. Systematic training of UHP technology is provided to each employee. It enables employees to enhance their technical skills and thus promotes their technical competence. Protection and the organization of our staff employed to work on construction sites is of major importance to us. NEOVIA implements a policy of renewal and maintenance of production equipment that guarantees performance of the product and safety of crews.