

## EUnited Municipal Equipment

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## Which sweepers have been tested?

The test can be performed by truck mounted, compact and trailed sweepers. All major manufacturers have tested their models over the past few years. The list of companies which have performed tests includes Aebi Schmidt, AUSA, Boschung, Brock, Brodd, Bucher Schörling, Comac, Dulevo, Faun, Fayat Group (Mathieu, Ravo, Scarab), Hako, Holder, Johnston Sweepers, Kärcher, Küpper-Weisser, Lindholdt Maskiner, Nilfisk, M-U-T, Sicas, Tennant, Trilety and Val-Air. The list is constantly



growing – for the latest list of models and their performance category please see the EUnited Municipal Equipment website.

## Want to know more about EUnited Municipal Equipment and the test?

EUnited Municipal Equipment is the European industry association representing the main manufacturers of mobile municipal manufacturers equipment like road sweepers, refuse collection vehicles, snow ploughs, salt spreaders and others. For more information please see our website [www.eu-nited.net](http://www.eu-nited.net) or send us an email: [municipal-equipment@eu-nited.net](mailto:municipal-equipment@eu-nited.net)



**EUnited**  
Municipal  
Equipment

**PM 10**  
FOR A CLEAN ENVIRONMENT



**CERTIFIED**

EUnited Municipal Equipment is a sector group of EUnited aisbl – the European Association of the Engineering Industry

### Why test sweepers for dust?

Particulate matter has become a serious threat for the population of many cities. Improving air quality is a daily challenge for many municipalities. The use of sweepers to reduce dust particulates in public areas is a common practice. Municipalities purchasing new sweepers therefore needed a reliable standard to compare the dust performance of sweepers. The industry reacted to this request and in a joint effort developed a common test and agreed upon common labeling to the benefit of customers and a better quality of air for all!

### Quality sweepers? – Look for the EUnited PM10 Test Label!

The EUnited PM10 Test is the only test supported by almost all European sweeper manufacturers. The test procedure was defined in co-operation with a Canadian research centre and is now on the way to become a European standard. The tests are performed by a leading independent test institute on behalf of EUnited Municipal Equipment. Results are reliable and repeatable and always include the sweeping efficiency of the machines. They are indicated by a system of stars: 1 star indicates that the tough minimum requirements

were met; sweepers with 3 stars being 2/3 below this level of PM concentration in the air after sweeping. This gives buyers the choice.



### How we test sweepers with regard to PM10?

The tests are performed at a suitable test facility, which excludes the negative influence of wind and weather. Sweepers pass through a test track four times which includes a simulated urban street. Each time the amount of collected material is measured and compared to the total amount of spread material.

The amount of fine dust in the air is measured before, during and several times after the sweeping has been performed. Based on the detailed results which the

independent test institute measures and the machine configuration EUnited then decides if the machine passed the test and how many stars will be attributed.

# Challenge