



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

Linear units ELM/ONE series  
EL.MORE S.r.l

Report No. EM 0611-371

DUPLIKAT

## IPA Qualification Certificate

This is to certify that the products mentioned below manufactured by the company

**EL.MORE S.r.l.**

Via Concordia, 5/C4  
20099 Sesto S. G. (Mi), Italy

have been awarded an IPA Qualification Seal bearing the report number EM 0611-371.

The linear units of the ELM series operating at the parameters listed below are suitable for use in cleanrooms fulfilling the corresponding air cleanliness specifications in accordance with ISO 14644-1.

Type / Parameters	Air Cleanliness Class
N054D025153B000 / 2000 mm; $v_1 = 0.5$ m/s; $a_1 = 1.0$ m/s <sup>2</sup> ; horizontal; working load = 25 N; with vacuum	ISO Class 2
E084D027401A000 / 2000 mm; $v_2 = 0.5$ m/s; $a_2 = 1.0$ m/s <sup>2</sup> ; horizontal; no working load; with vacuum	ISO Class 3
N11VA028953B000 / 2000 mm; $v_3 = 0.5$ m/s; $a_3 = 1.0$ m/s <sup>2</sup> ; horizontal; working load = 355 N; with vacuum	ISO Class 3

Detailed information and parameters of the test environment can be found in the IPA Test Report compiled by the Fraunhofer Society.

Certified on 20<sup>th</sup> March 2007.

The duration of the validity of this certificate is unlimited. For further information visit our website at <http://www.ipa-qualification.com>.

Stuttgart, Germany, 29<sup>th</sup> March 2007

Signature



Fraunhofer  
Institut  
Produktionstechnik und  
Automatisierung