



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

Linear units ONE series  
EL.MORE S.r.l.  
Report No. EM 0609-361

DUPLIKAT

### IPA Qualification Certificate

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

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

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

has been awarded an IPA Qualification Seal bearing the report number EM 0609-361.

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

Set of parameters	Air Cleanliness Class according to ISO 14644-1
1000 mm; $v_1 = 0.5$ m/s; $a_1 = 1.0$ m/s <sup>2</sup> ; horizontal; with vacuum	ISO Class 1
2000 mm; $v_2 = 0.5$ m/s; $a_2 = 1.0$ m/s <sup>2</sup> ; horizontal; with vacuum	ISO Class 1
4000 mm; $v_3 = 0.5$ m/s; $a_3 = 1.0$ m/s <sup>2</sup> ; horizontal; with vacuum	ISO Class 1
2000 mm; $v_4 = 0.5$ m/s; $a_4 = 1.0$ m/s <sup>2</sup> ; lateral; with vacuum	ISO Class 1
2000 mm; $v_5 = 1.0$ m/s; $a_5 = 2.0$ m/s <sup>2</sup> ; horizontal; with vacuum	ISO Class 1
2000 mm; $v_6 = 0.5$ m/s; $a_6 = 1.0$ m/s <sup>2</sup> ; horizontal; without vacuum	ISO Class 4
2000 mm; $v_7 = 0.5$ m/s; $a_7 = 1.0$ m/s <sup>2</sup> ; horizontal; without protection belt	ISO Class 5

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

Certified on 26<sup>th</sup> September 2006.

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

Stuttgart, Germany, 26<sup>th</sup> September 2006

  
Signature



Fraunhofer Institut  
Produktionstechnik und  
Automatisierung