



Fraunhofer

TESTED[®] DEVICE

YASKAWA Europe GmbH
HP20D CR
Report No. MO 1008-532

Qualification Certificate

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

YASKAWA Europe GmbH

Kammerfeldstraße 1
85391 Allershausen
Germany


has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number MO 1008-532.

At a speed reduction to 40 % of the maximum velocities of its axis the robot is suitable for use in cleanrooms fulfilling the Air Cleanliness Class 7, at a speed reduction to 80% it is suitable for use in cleanrooms fulfilling the Air Cleanliness Class 6 according to ISO 14644-1.

At a speed reduction to 40 % and 80% of its maximum velocities, the partitions of the axis U, R, B und T of the robot are suitable for use in cleanrooms fulfilling the Air Cleanliness Class 5 according to ISO 14644-1.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report. The validity of this certificate applies only to the above mentioned product in this particular condition. For further information visit our website at www.ipa-qualification.com.

Stuttgart, October 6, 2010

i. A. 
Project manager

DUPLICATE