



900 Marconi Ave. Ronkonkoma, New York 11779

P: 1-800-767-7633

F: 1-800-7672034



669 River Drive Suite 403 Elmwood Park NJ 07407

P: 1-888-KEYENCE (539-3623)

F: (201) 930-0099

Keyence IM Series Recertification

The IM is a solid state image dimensional measurement system, built around 22 fixed position lenses, which include 4 sets of telecentric lenses. As the IM's optical measurements are captured instantly through the use of fixed optics and not through mechanical movement, there is no need to have KEYENCE or any other third party perform regular maintenance or recalibration of the internal components under normal use. The IM system is delivered with its matching NIST traceable certificate of factory calibration, which is valid for the life of the machine. However, in order to comply with national standards, the system must be recertified with a NIST traceable artifact at a minimum of once **every 365 days**.

Recertification of the optics can simply be performed with a Class XX NIST traceable gauge pin. This will qualify the IM is measuring within its official accuracy specifications. If the unit does not fall within its designed parameters or is otherwise physically damaged, formal recalibration (repair) may be required, and must be performed by Keyence.

The below recommended gage artifacts have been chosen based on IM recertification specifications, availability, and cost. For our customer's convenience, these artifacts can be purchased directly from, and recertified annually by Thread Check Inc.:



For expedited service, contact:

Linda Gagné

Email: linda@threadcheck.com

Direct Tel: 843-388-7555

Reference the appropriate Kit # below:

Thread Check Inc.

www.threadcheck.com

KIT #, IM SERIES head MODEL, artifact detail

- KEY7010 for IM-7010** (and 6225, 6125, 6025, 6015)
0.1000 inch (2.500mm) Class XX Ceramic Master Gage Pin, 2" in length, with long Cert.
- KEY7020 for IM-7020 and IM-7030**
0.1000 inch (2.500mm) Class XX Ceramic Master Gage Pin, 2" in length, with long Cert.
AND
0.8000 inch (20.000mm) Class XX Ceramic Master ID Gage Ring, 5mm in length, with long Cert.
- KEY7030T for IM-7030T** (and 6225T)
0.1000 inch (2.500mm) Class XX Ceramic Master Gage Pin, 2" in length, with long Cert.
AND
0.8000 inch (20.000mm) Class XX Ceramic Master ID Gage Ring, 5mm in length, with long Cert.
AND
0.1000 inch (2.500mm) Class 00 (Calibration Grade) Ceramic Master Gage Block, rect., with long Cert.
AND
0.2000 inch (5.000mm) Class 00 (Calibration Grade) Ceramic Master Gage Block, rect., with long Cert.

[*]It is recommended you clean the artifact as well as the IM system glass stage and lens surfaces with Isopropyl Alcohol and a dust free cloth. This information is provided by Keyence as a reference. More information as well as a complete re-certification procedure guide is available to Keyence customers on request free of charge. Please contact Keyence for more information at (1) 888-539-3623.