

## GEORGE PRODUCTS COMPANY REFINES THE OASIS

2012 has already been a busy year for George Products Company of Middletown, DE, with two big announcements.

Since the New Year, George Products Company has upgraded its OASIS line of fast, full-featured, non-contact vision inspection machines and introduced a newcomer to the OASIS family called the CoreX2.

The OASIS line consists of portable metrology devices that can measure multiple part dimensions simultaneously to an accuracy of plus or minus 0.0001 inches. The system works with a shadow (profile view) of the part and takes measurements at the rate of 10-times per second. For the recent upgrade, George Products added a Manual Rotary Stage to the line so parts can be rotated 360-degrees for more complete measurements.

Name	Meas'd	LSL	Status	USL
DIA01	1.3920	1.3900	▲	1.3970
DIA02	1.2259	1.2209	▲	1.2275
DIA03	1.7717	1.7700	▲	1.7768
DIA04	0.8341	0.8291	▲	0.8391
HGT01	0.2031	0.1981	▲	0.2050
HGT02	0.2696	0.2645	▲	0.2745
HGT03	0.0769	0.0719	▲	0.0819
DIA05	1.3914	1.3895	▲	1.3995
DIST01	2.9587	2.9538	▲	2.9638
DIST02	1.6045	1.6000	▲	1.6100
DIST03	0.4743	0.4700	▲	0.4800
DIST04	0.4168	0.4125	▲	0.4225
CORN01	0.0263	0.0200	▲	0.0300
CIRC01	0.1036	0.0996	▲	0.1086

COREX2 sample part status bar.

“The target end-user for OASIS are Swiss machine shops, screw makers and in general, manufacturers of parts 6.5 inches and under for their inspections, be it first-article, in-process or final. OASIS can be used directly on a shop floor or in a QC (Quality Control) lab. Our customers

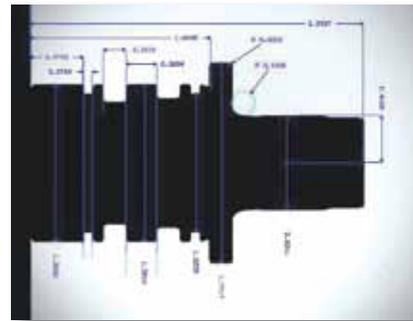


COREX2 unit.

come from a variety of industries including, but not limited to aerospace, automotive, defence, fasteners and medical implants and devices,” says Jeff Palmer, a sales manager at George Products Company.

“OASIS devices utilize an LED light source to collimate precise rays through a series of specially designed diffusers and

lenses that shine across the part to be inspected. That image is then captured by a very specific telecentric optical lens, which results in a perfect monochrome profile of the inspected part. The part profile is then digitally captured with a specifically designed camera system and transferred to the custom onboard



COREX2 sample part.

computer where the software does the rest,” explains Palmer.

George Products claim the OASIS line is “the industry’s fastest inspection system” and that’s no empty boast: “What would take a QC inspector five to six minutes



to do using conventional methods, OASIS can do in five or six seconds,” says Palmer.

The new Core X2, meanwhile, offers a field of view of 3.4 inches x 2.8 inches which means users can measure parts up to 3/8 inches in length and 2/32 inches in diameter, with an accuracy of plus or minus 0.0002 inches. Working again with a shadow, measurements can be taken on the Core X2 at a rate of six times per second.

[www.georgeproducts.com](http://www.georgeproducts.com)