

**Rusach International
Metrology Systems & Solutions**

Metrology Rotary Tables

Roundness (runout), Inspecting, Weighing, Assembly, Balancing, Stacking,
Placing & Testing

CMM Tables, Inspection Tables, Air Bearing Inspection Tables, Assembly Tables,
Tomography Tables, Custom Systems & Tables

Paragon

By Turbine Metrology

Circular Geometric Inspection System



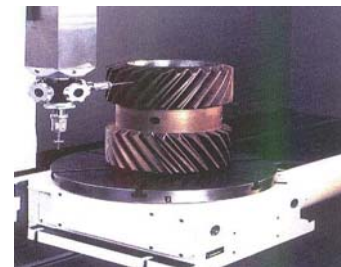
(More info on the back side)

Tomography Tables



Made in the USA

Inspection, Assembly, and CMM Tables



100 Raymond Street, Hope, IN, USA 47246 www.rusach.com 317-638-0298 sales@rusach.com

Every Challenge Has A Solution

Rusach International / Turbine Metrology

Paragon V3.24 Circular Geometry Inspection System

For measuring roundness, concentricity, runout, flatness, parallelism

Turbine Metrology's *Paragon* Inspection System along with Rusach International's very accurate *Rotary Tables* allow for the necessary measurements to be taken with a single revolution of the table, 1.2 million samples per second!



Rusach International's Air Bearing Inspection Tables can achieve accuracies of +/- arc second!

- True 24 Bit Analog to Digital Conversion
- DSP Yields Resolutions to .125 Microns
- Simultaneous Sampling to Avoid Data Skew
- 4 Channels Standard, up to 12 Channels Available
- Customizable for Your Application
- Slew Rate > 240 Degrees/Sec
- Supplied w/Touch Screen Computer with 1920 x 1080 Resolution
- (3) User Access Levels for Added Security



Touch screen interface, Paragon V3.0, V3.24

Paragon V3.24, the latest version of the **Turbine Metrology's** circular geometry inspection system, incorporates a new touch-screen GUI, and additional software features to keep Paragon well ahead of the competition in terms of accuracy, reliability, ease of use, and price. Paragon V2013-24 uses new 24 bit hardware to take accuracy to a new level!

General Information

- No Mandatory Software Upgrades, No Yearly License Fees, No Maintenance Fees
- Paragon Conforms to ISO-1101, ISO-6318 and BS-3730 Standards for **Circular Geometry Inspection System**
- Mathematical Algorithms Correct Data for Part Off-centeredness and Tilt on the Inspection Table
- Paragon makes all Standard Calculations to Provide **Roundness, Eccentricity, Run-out, Flatness & Parallelism**
- Runs on Standard Industrial PC Based under a Windows 2000/XP/VISTA/7 Operating System
- Paragon Contains a Complete Test Creator/Editor Module so the User May Write his Own Test Routines
- Paragon Measures each Surface Over 500,000 Times to Construct a Much More Accurate Surface Characterization
- Paragon Systems Can Take Hundreds of Thousands of Times More Data than a CMM in a Given Amount of Time. In Addition, the Data is Automatically Related to Provide **Roundness, Eccentricity, Run-out, Flatness and Parallelism** Results. CMM's are not Designed to do These Specialized Measurements and Operations.

Automotive Applications

- Brake Rotors, Hub Assemblies, Spindles, Caliper Pistons
- Flywheels, Clutches, Differentials, CV Joints, Wheels, Drive Shafts.
- Crankshafts, Camshafts, Wristpins, Pistons, Pulleys

Aerospace Applications

- Aircraft Engine Part Run-Out
- Turbine Wheel Rotating Parts
- Optimized Rotor Stacking

What Can We Measure For You?

100 Raymond Street, Hope, IN, USA 47246 www.rusach.com 317-638-0298

Every Challenge Has A Solution

