

## 2D Gauging and Constant Velocity Joints - CVJ

MTW-510-2DG-001

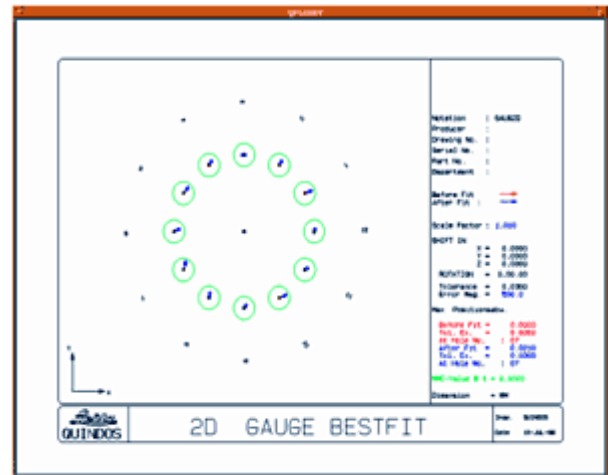
### 2D Gauging

This packages provides several best-fit programs for a variety of applications.

One of them is the 2D best-fit of hole patterns, with or without datums, resp. the best fit of centerpoints of elements.

The number of holes is not limited, and up to 2 datums can be considered for the best-fit.

The best-fit minimizes the distance of the measured hole to the circle enveloping the nominal position. The diameter of the enveloping circle is determined by the positional tolerance, plus any MMC on the hole.



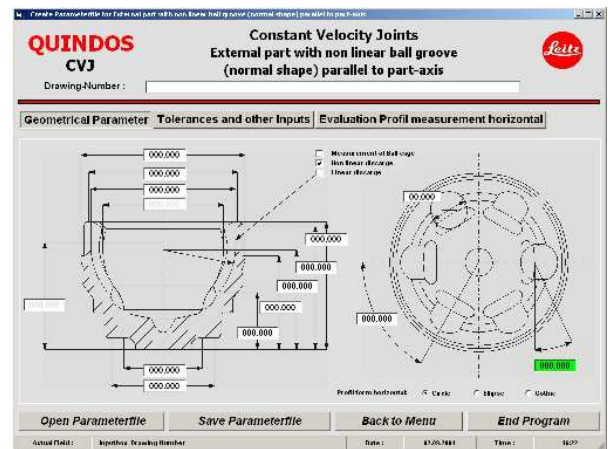
The position of the hole pattern before and after fitting is plotted.

### Constant Velocity Joints (CVJ)

When inspecting gothic and elliptical profiles or homo-kinetic joints (also called Constant Velocity Joints CVJ) on a coordinate measuring machine, the option **QUINDOS 2D Gauging and Constant Velocity Joints - CVJ** can be used to find the center coordinates and contact points of a nominal circle, which is 'centered' in the measured profile.

Furthermore the maximum clearance between circle and profile is evaluated.

If the CVJ parameters are provided by a CAD system, there is no need for individual programming of the CVJs. QUINDOS generates the CNC measuring program for any Constant Velocity Joint automatically from the CAD file.



For the inspection of Constant Velocity Joints a special stylus system is available.

