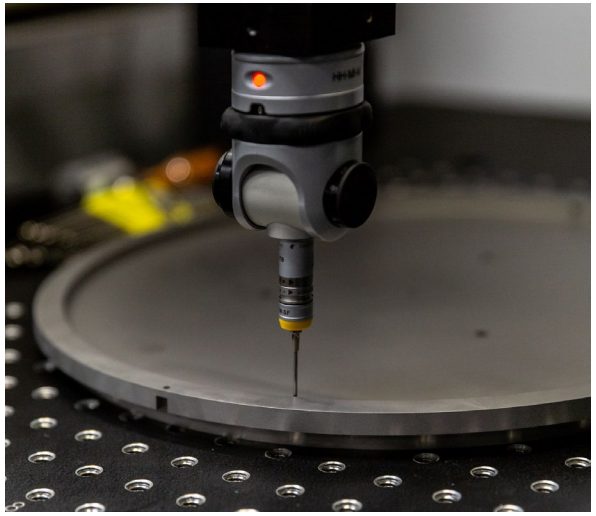
Case Study:

Superior Semiconductor Tooling

New Vision helped one of its key partners significantly reduce SEMICONDUCTOR tool failure



Challenge

- Tool failure resulted in unacceptable product loss and downtime in a very busy production environment
- Customer was having significant difficulty controlling a wafer manufacturing process
- Tooling inaccuracy was causing product failures and premature tooling changes in their machines

Solution

- New Vision Industries consulted with the customer's engineering group to identify the root cause and possible solutions. Our team was able to adjust design features to benefit the customer's process without compromising form, fit or function of the tooling. Our team helped to develop new calibration steps to aid the customer in their machine setup
- New Vision was able to machine new parts, achieving significantly improved part tolerances by better than 50% versus the incumbent tooling. The superior flatness, surface finish and part to part tolerance consistency made a huge difference in the customer's uptime

Benefit

- The customer eliminated unnecessary downtime to change over tooling and increased manufacturing up time due to the superior reliability of the New Vision product
- The customer realized significant cost savings by reducing overall tooling consumption. The New Vision tooling lasts significantly longer reducing annual consumption and spend

New Vision's tooling solution dramatically increased the customers first pass quality acceptance rate. The overall calibration process was reduced as much as 50% versus the traditional tooling.