

Peak Roll and Geometrical Alignment (RGA) service

Frequently asked questions



Q : How do I get the biggest return on my maintenance budget?

A : Using the ParAlign technology, along with optical laser alignment, enables more alignment work to be accomplished in a shorter amount of time. This means you get the most uptime for every minute of downtime spent. Ensuring proper machine alignment throughout the entire machine saves on costs associated with product waste or personnel overtime and reduces safety risks.

Getting as much done during your planned outage—without sacrificing the quality of work performed—is what will convert your maintenance budget into machine optimization and reliability that pays off in the long run.

Q : My machine was installed using a baseline. Can you measure the baseline?

A : Yes. The ParAlign technology is designed to measure the parallelism of rolls quickly and isn't intended to measure noncylindrical objects. However, known offsets from optical measurements can be integrated into the proprietary ParAlign software to incorporate the baseline. In addition, a laser tracker can be used to measure the baseline/centerline and combine the results with the functionality of the ParAlign for fast and efficient alignment service.

Q : What can I expect from investing in a Peak RGA service?

A : Peak RGA service provides fast, reliable alignment results that allow necessary adjustments to be made to the machine in a timely manner, leading to decreased downtime. Collecting routine alignment data can be used to treat on-the-spot misalignment issues, track machine patterns, and predict future behavior.

An easy to interpret alignment report is generated after each service that visually demonstrates your return on investment. You should also experience long-lasting improvements to the machine and product quality. You can expect the highest quality customer service and professionalism at your plant site from start to finish.

Q: Will the Fluke Reliability team measure and make the adjustments?

A: Our team works alongside in-house mechanics or local contractors to provide precision alignment of the equipment. The Fluke Reliability alignment team collects the measurement data.

We will work with you to schedule measurements and adjustments, ensuring all work is done at the same time. Afterwards, you'll receive a report with an action plan for next steps.

Q: How do I know my machine needs to be aligned?

A: In most cases, physical indicators in the product from misalignment are present, such as wrinkling, stretching, tearing, warping, tracking, etc. Even when misalignment evidence is not present, it is good to continuously perform preventive maintenance to avoid excessive wear on the machine or future quality issues. Recommendations for preventive alignment maintenance are based on machine type, tolerance, age, size, and speed.

Q: What if there is no line-of-sight or limited access to rolls?

A: The ParAlign device does not require a line-of-sight to collect data, making it a reliable alignment tool to measure rolls located in enclosed rooms, chambers, on towers, or over long distances. The only requirement to collect data with the ParAlign is to place the device on each roll and sweep it 20 degrees about the roll's circumference.

Q: What are the limitations of the ParAlign?

A: To protect the alignment team, it is recommended that rolls be less than 140 degrees F (60 degrees C) to collect a measurement safely. Differences across atmospheric temperatures do not affect the accuracy of the measurements collected from the ParAlign.

For the ParAlign to measure a roll, the roll face must be at least 30 inches (762mm) long. The length of the ParAlign itself limits this parameter. However, a laser tracker is available to measure smaller geometries if needed. Combining these technologies allows the Fluke Reliability service team to provide the best solution for any alignment project.

Q: Can I purchase a ParAlign device?

A: Unfortunately, the ParAlign is offered strictly as a service and is not sold as an independent product. This is due to governmental restrictions on the sale of proprietary technology and an extensive calibration process.

Q : I have multiple facilities in different countries. Can you provide Peak RGA services to all my facilities?

A : We perform ParAlign services for customers globally, though travel to certain countries may require additional documentation or approval. We currently offer Peak RGA services throughout most of the Americas, EMEA (Europe, the Middle East, and Africa), and Singapore. Please reach out to your local Prüftechnik representative for additional information.

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