



Machinery Alignment Services

GeoVerra can provide support for a variety of industrial and machine alignment projects. Correct alignment is critical in the maintenance and longevity of bearing, rolls and quality of product being manufactured. Costly repairs and down time can be mitigated using ongoing, proactive and preventative alignment monitoring surveys and adjustments.

Our team is made up of licensed land surveyors, project managers, field crews and CAD technicians, focused solely on achieving client objectives through seamless collaboration and providing seasoned expertise you can rely on. With a safety-first mindset, quality assurance and control procedures, coupled with custom solutions and innovative tools, we can provide the best possible service and efficient overall project management.

Pulp and Paper Machines

- Aligning and levelling of rollers with machine baseline during roller replacement or during scheduled maintenance shutdowns
- Establish a machine baseline from existing machines or new machine setups
- Shaft alignment
- High precision levelling
- Fourdrinier table levelling and adjustments
- Press section adjustments
- Headbox installations
- Nip measurements
- Calendar and winder alignments
- Bale press and conveyors
- Truck dumpers
- Chip handing systems

Industrial Metrology and Alignments

- Hydraulic ram alignment
- Shaft and coupling alignments, including motors, gears and pumps
- Geometric measurements (flatness, parallel, perpendicular, etc.)
- Deformation and settlement monitoring
- Plumbness
- High-precision laser scanning
- High order 3-d positioning
- Sole plate positioning and leveling
- Machine component positioning
- Bearing pedestal installations
- Pre-pour bold and imbed positioning

Marine Ship Building

- Propulsion shaft alignment
- Steering systems
- Laser scanning ship hull for modelling and deformation purposes

For more information, visit our website or get in touch with your local office at [geoverra.com/contact](https://www.geoverra.com/contact)