



Improve recovery, line speed and
lumber quality



Optimize your mill's performance with precision alignment.

SAWMILL ALIGNMENT

Sawmills everywhere are faced with demands for tighter tolerances and increased production, while using aging machinery. One common problem is often overlooked in this quest for higher performance: machine alignment. Poorly aligned equipment is a hidden drain on time and money. It is a major contributor to breakdowns, lost production and waste. Now, an affordable in-house solution is available.

The precision of optics

Innovators in the lumber industry are adopting the tools and techniques used by the paper, steel and power generation industries for precision alignment of their equipment. It's called optical alignment and is favored among professionals who need precise, verifiable alignment of large machine centers. You'll appreciate the easy set-up, simple operation and

the alignment of all machines. All measurements are made using proven optical techniques that you can see, understand and verify. It's simple and very accurate.

Aligning critical components

The jig transit is accurate to within .002" at distances up to 34' in horizontal and vertical planes... no wires, no plumb bobs or levels,

"Poorly aligned equipment is a drain on time and money. It is a contributor to breakdowns, lost production and waste."



consistent performance of the optical alignment process. The work moves quickly and the highly precise results bring a long list of advantages and benefits.

How it works

A precision optical instrument called a jig transit is mounted on a stable platform. The jig transit is aligned with reference targets on the machine centerline to produce an accurate and repeatable optical plane for

nothing to plug in. Real people view and verify the results, not computers. Plus, it quickly generates repeatable data, which is critical to ensure your machine adjustments are correct.

On vertical quad primary breakdown lines (see image below), the machine centerline is defined by the sharp chain that delivers logs and cants to the cutting section. A jig transit is aligned to the centerline and sweeps an extremely precise vertical plane throughout the machine center. Key

components like the chip heads, feed module anvils, spike rolls and band saws are precisely aligned for plumb, straightness and centerline using the jig transit. Achieve real-time measurements and adjustments with our precision scales that mount to each machine component. For components like rollers and machine ways, the jig transit also sweeps precise horizontal planes.

Jig transits and their related accessories are a natural fit in a sawmill environment. The optical alignment technique described here provides all required measurements quickly and accurately in one set-up.

Reliably tough

Optical instruments are specifically

designed to provide high precision measurements in tough sawmill environments. Free your workspace of traditional wires and mounts that create tripping hazards and require sag calculations. There's no complex software to troubleshoot or issues with ambient light and temperature. Just instruments that perform for decades to their original manufactured tolerances.

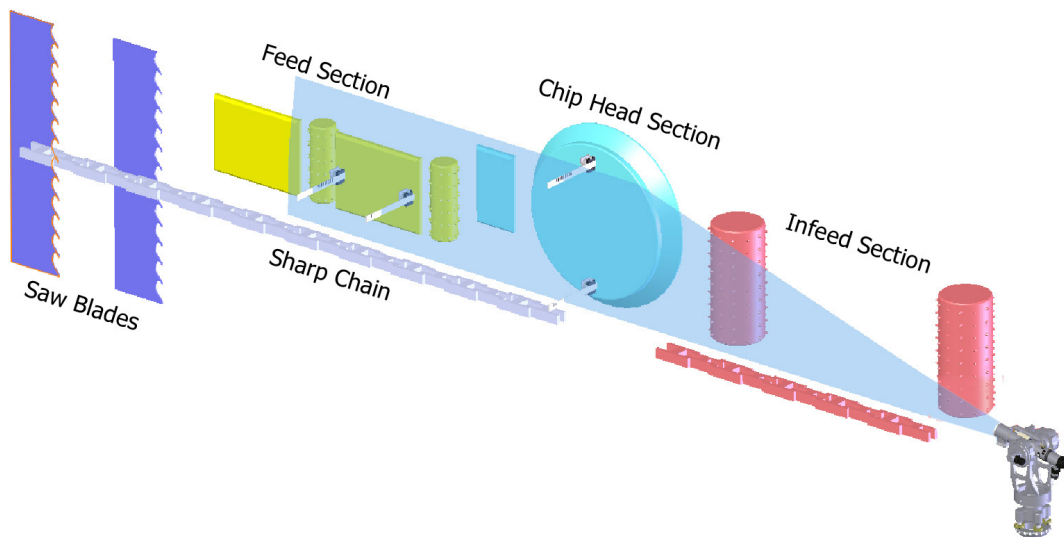
Manageable operation

Optical alignment principles are easy to implement because your maintenance people already apply them mechanically.

You'll appreciate the easy set-up, precise operation and consistent performance of the optical alignment measurement process.

Return on investment

Customers tell us our systems pay for themselves within months, with cost benefits continuing to grow month after month, year after year. The system is simple and the results are precise. Alignments are easily managed by your own people on your schedule.



Precisely align all machine components for plumb, straightness and centerline.

Benefits

- Improve recovery
- Saws cut straighter and last longer
- Eliminate wedge
- Reduced deviation improves output and adds value to every board foot
- Thin kerf saws increase output volume without increasing wood costs
- Less vibration causes less wear and tear on machinery
- Works on all cutting machines in your mill

Precision optical alignment solutions for sawmills

We have the right solution for you

Brunson offers a full line of optical alignment tools that can be customized to your mill needs. Contact us today and let us help you realize improved recovery, faster line speed and higher lumber quality.

Experience you can trust

Alignment services

Let our alignment services team help you. Our team of expert field service professionals has decades of experience servicing industrial machinery. We understand how to work to your schedule in all kinds of environments. Contact us to discuss a field service engagement and learn how precision alignment can help maximize your throughput and quality.

Comprehensive training

Experience the same success our field service teams enjoy through our expert training and application courses. We provide optical alignment training at our Kansas City facility, as well as customized on-site training to meet your specific needs.

877-632-7873
brunsonalignment.com

Sales@Brunson.us
8000 East 23rd St
Kansas City, MO 64129

