

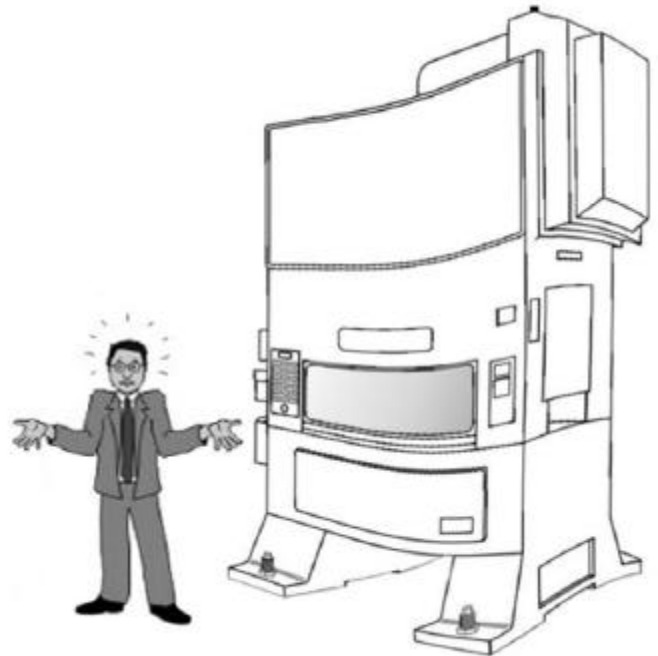


Vibro/Dynamics Now Offers Level and Alignment Assessment Service

**When Was The Last Time You Checked Your
Press' Level And Alignment?**

**Did You Know That Precision
Level and Alignment:**

- ◆ Improves Press Productivity
- ◆ Increases the Life of Your Press and Tooling
- ◆ Improves Part Quality
- ◆ Decreases Downtime & Maintenance
- ◆ Reduces the Tonnage Required to Stamp a Part
- ◆ Reduces Reversal Loading on Press



It's True! Case Studies by Vibro/Dynamics Prove It!

That's why Vibro/Dynamics is pleased to announce that we now offer a **Level and Alignment Assessment Service**. Vibro/Dynamics will send a qualified service technician to your plant to assess the level and alignment condition of your punch presses. A written report will be furnished detailing the existing level condition, and, if appropriate, some possible solutions to correct adverse level and alignment conditions.

Protect Your Investment and Contact Vibro/Dynamics Today!

News Release

PRESS GEOMETRY

The geometry (*level, alignment and parallelism*) of the press structure should be your first concern. It is the most fundamental determinant of press performance, productivity and product quality.

In spite of their massive construction, presses are surprisingly flexible. If they are not leveled and supported properly, they will twist until they match the shape of the supporting structure whether the press is hard-mounted or on press mounts.

INCREASED TOOLING LIFE

This twisted shape will be present in the press bed, bolster, and lower die shoe. However, the ram and upper die shoe are not affected by twist and remain in one plane. When the tooling closes on the material, the pressure begins to build up and the press strains as it tries to straighten itself out, with the tooling as the contact point. At snap-through, the frame, as well as the tooling, wants to kick back to its twisted, at-rest condition. This action tears tooling up. We have measured increases in tool life from 100 – 600%.

IMPROVED PART QUALITY

It's easy to see that this flexing and kickback action can cause finished parts to be out of tolerance and have burrs and tears.

LONGER PRESS LIFE

In addition, all this unnecessary cyclic flexing of the press frame causes undue gib wear and press frame stress fractures.

Continuous field studies indicate that distorted press frames require significantly more tonnage and energy consumption to stamp a part.

Immediately following snap-through, the press overshoots its pre-stressed state, causing harsh impact to drivetrain bearing components. This is reverse loading. It is one of the most severe and harmful forces to occur in a press. Field studies prove repeatedly that precise press geometry can reduce reverse loading as much as 70%.

The overall result is lower maintenance and repair cost, and less downtime.

LEVELING AND ALIGNMENT GEOMETRY ASSESSMENT SERVICE

Our Geometry Assessment can help assure that your presses are in the most accurately aligned operating condition. With a periodic check-up, you can boost your presses' productivity and uptime. Assessment and precise releveling and alignment of the press can often be done very quickly.

We also offer a check of bed-to-slide parallelism with the most up-to-date precision instruments.

Vibro/Dynamics is the Metalforming Industry's leader in fast press installation, precise leveling and alignment, and vibration control. Call us today to find out more about these important and valuable services.

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