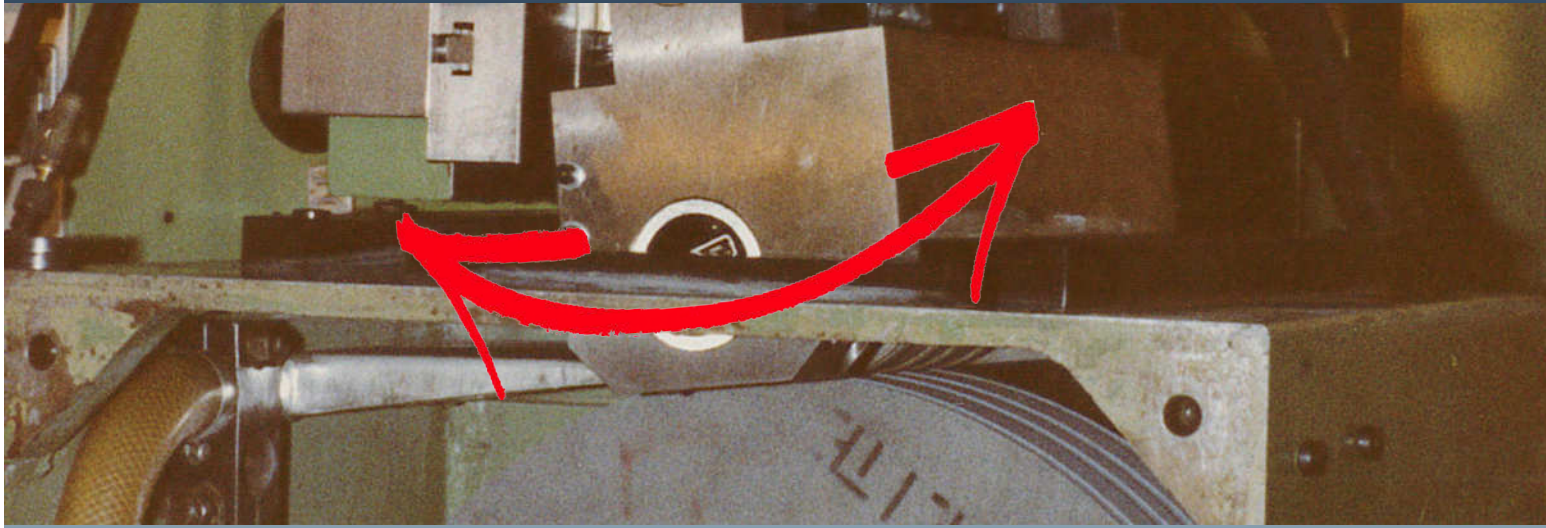


SwingStep® Dressing



The system with an additional swing axis for vibration less dressing

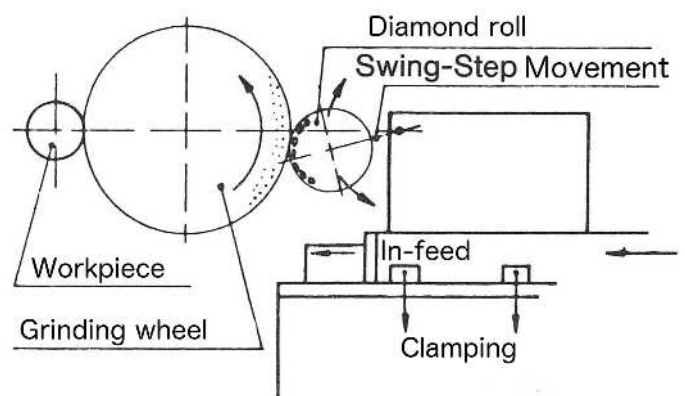
The SwingStep® dressing is a common used dressing technology, which especially existing difference from dressing technology, as continuous dressing (CD-dressing), with a lot of advantages. It is specialized designed for CBN and corundum grinding wheels with high contact-value, as well as running very high rotation speeds, to eliminate vibration during dressing. By using an additional swing-axis, beside the in-feed and rotation axis of the dressing wheel, the dressing step is followed by a sharpening of grinding wheel, when using very small in-feed step. By swinging from 0,7 to 0,5 degrees and in-feed of 3-5 micron, there is the same effect as using 10 microns in linear movement. The advantage hereby: there is absolutely no vibration. The dressing wheels swings to the grinding wheel, at it's fixed swing-angle, and have only a very short contact. This avoids forces and high temperature. The complete diameter gets in a cutting-shape fast again and guarantees a perfect grinding surface, as well dimension values with smallest production tolerances on your work-piece.

Technology

- Gentle dressing for
 - Grinding wheel
 - Grinding spindle
 - Mandrel
 - Diamond roll
- Short dressing cycle time
- Very less wear-amount
- Absolutely vibration free
- Adaptable on every grinding machine
- Constant grinding wheel topography

Your added value

- Decreasing wear parts costs
- Constant surface quality
- Risk minimizing during dressing
- Less reject-parts on mass-production
- Proven technology in industry (i.e. crankshaft, Steyr AT)



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