

Precision Machinery for Wire and Tube

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**Reduction of Set-Up
Work Due to Simple
Adjustment of Variable
Dressing Speeds**




for
spring end grinding machines



Individual adjustment
to the hardness
and abrasive grain
mixture of grinding
wheels



Optimization to
the specific wear
behavior



Reduction of
vibrations during
dressing

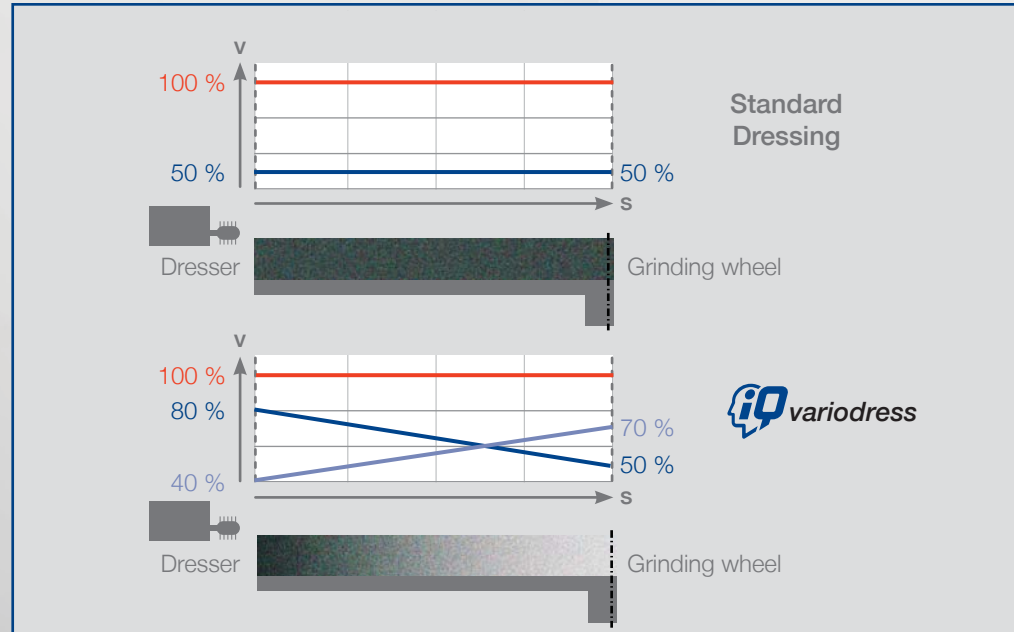


Reduction of
downtimes

Situation

- Constant dressing speeds often prevent an optimum adjustment of the dressing process with which a sharp and even grinding wheel surface could be achieved
- Harder grinding wheels can also be subject to heavy vibration and loud dressing noises
- Poor grinding wheel surfaces cause poor spring grinding results

Solution



Requirements

- No requirements necessary

- *iQ variodress* enables an individual adjustment to the hardness and abrasive grain mixture of grinding wheels due to freely selectable dressing and sensing speeds
- Adjusting the sensing speed during the dressing process enables you to adjust the process to grinding wheels of different hardness
- Heavy loads on the grinding wheel and the dressing unit, as well as the vibrations of the dressing unit, can thus be minimized
- Dressing speeds can be separately adjusted for the inner and the outer grinding wheel edge allowing an adjustment to specific wear behaviors
- Thus the surface of the grinding wheel is improved and vibrations during the dressing process are reduced