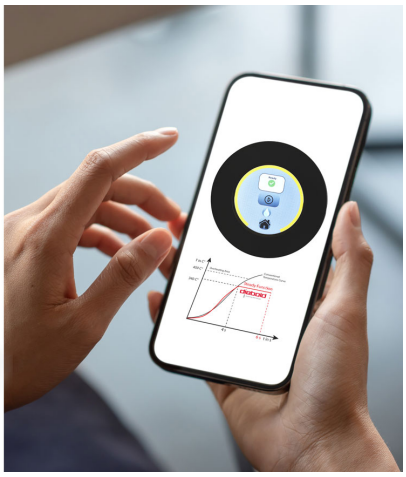
Passion for Perfection

diebold Goldring-Werkzeuge

Diebold Shrinking technology - OneTouch

Smart and sustainable

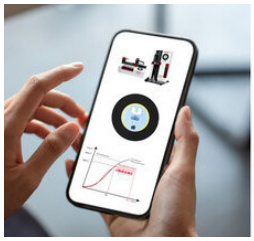


Newsletter Nr. 78

OneTouch Operation like a smartphone

Intelligent shrinking

OneTouch® is the new control system of Diebold shrink fit machines. Our customers do like this "easy to handle" function. This is how they want to work and use new technology.



The fully automatic shrink process is started with a single touch. Shrinking is performed with the minimum energy input. The temperature at the surface of the shrink chuck is constantly measured and controlled.

If a tool cannot be released or inserted immediately during the shrinking process, a digital ramp is used to reheat the tool with minimum energy input until the shrinking process is finished.Changing the parameters or any manual input is not necessary. All possible operating errors are prevented.

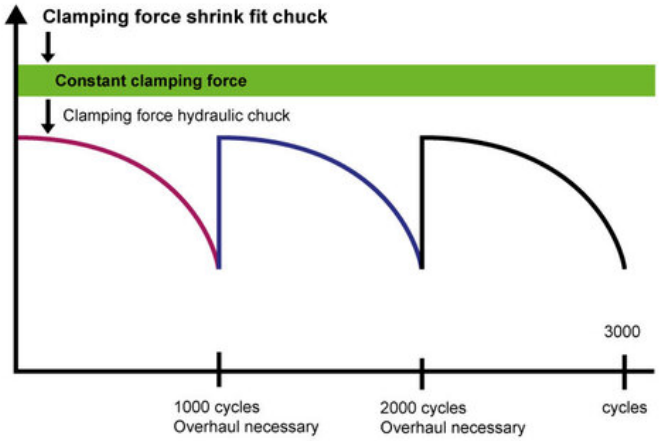
Automatically controlled process

The shrinking process is very gentle in the TubeChiller® using a cooling liquid. During this process, the water level is raised into the tube, and the shrink fit chuck tis cooled circular. If the shrink fit chucks were "showered", the tool would "bend".

Although this bending only happens in the mµ range, this deviation is not desired and is eliminated by the liquid lifting technology.
The market success of the OneTouch and TubeChiller® technology demonstrates that users are opting for this technology.

Shrink technology is more sustainable

When tools have to be securely clamped and good concentricity necessary, there is no way around shrink-fitting. Sustainability aspects can now also be included in this decision, especially with modern shrink technology. Shrink fit chucks do not loose any clamping force if the right technology is used.



Prevent operating errors

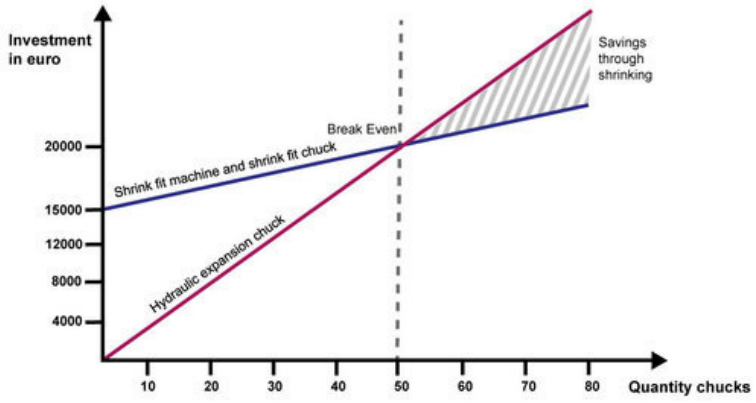
Well-made shrink fit chucks have always been able to withstand at least 5,000 clamping cycles - without any change in holding force or deterioration in concentricity. Until now, there have been no intelligent shrink fit machines designed for consistent error prevention.

Diebold's digitized shrink fit machines have patented temperature monitoring, as well as intelligent control of the shrinking process. This runs fully automatically, and overheating of the shrink fit chucks is impossible. The function of the process is guaranteed at all times and false operation is prevented. Only a minimum input of energy is required for the shrinking process.

Shrink fit machines known up to now have mainly worked according to the principle of "a lot helps a lot". As much energy as possible was applied to the shrink fit chuck in a short time. Fatal consequences were uncontrollably overheated chucks and their function or service life was significantly reduced.

Your benefits:

- Save costs
- Sustainable production
- Quality through error-free operation
- Precision and constant production conditions



The price of a hydraulic chuck, which is twice to three times higher than a shrink fit chuck, no longer pays off. Because the investment in a fully automatic and intelligent shrink fit machine of the top line,is already amortized from the 46th hydraulic chuck. If you consider that modern machines have tool magazines with several hundred tool holders, this calculation ads milling up very quickly and multiplies several times over the entire service life of a machine.

Video OneTouch

OneTouch

Youtube >>

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Worldwide professional and competent!

If your company is out of reach for the Demo Vans, please contact our Export Manager. You will receive professional advice worldwide!

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