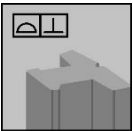


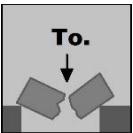
How many advantages do bonded sheet stacks offer?

Countless!



Higher precision

Bonding varnish (Backlack) ensures highest precision. The bonding of the single sheet enables very tiny geometries to be stacked and bonded very tightly and precisely.



Higher stiffness

Stacks with bonding varnish (Backlack) are very stiff. The stack can even be machined. Stator segments withstand heavy loads before they break.



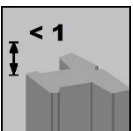
Very good insulation

Compared to interlockings or weld seams, bonding does not cause short circuits. Much better magnetic properties and less losses are the result.



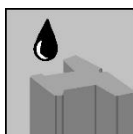
Less vibration and noise

The single sheet are bonded together tightly, thus reducing vibration and noise. Issues which become more important in the near future.



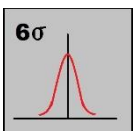
Smaller length tolerance

For the production of stator segments, we have developed processes to reduce length tolerance to below one sheet thickness. Stator assemblies from single teeth with equal length are possible.



Better cleanliness

Due to the bonding varnish, dirt and burrs are bonded tightly and do not fall out from the part.



Highest process capability

The production is process stable in large series productions. We have developed the tooling, technology and processes to do so. Learn what value bonding varnish (Backlack) will generate in your electrical motor.

SWD AG – your partner

SWD AG Stator- und Rotortechnik is your partner for your next generation of electric motors. As a technology leader, we develop electrical sheet stacks which ensure your competitive advantage. We support you from your idea to the efficient serial production and produce the stacks in each phase.

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