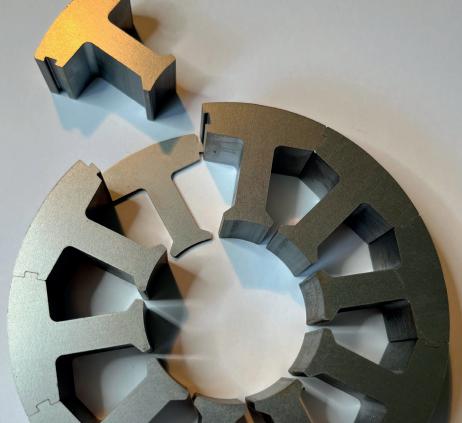


# Next generation of adhesive bonded laminated cores





## Advantages of adhesive stacking technique

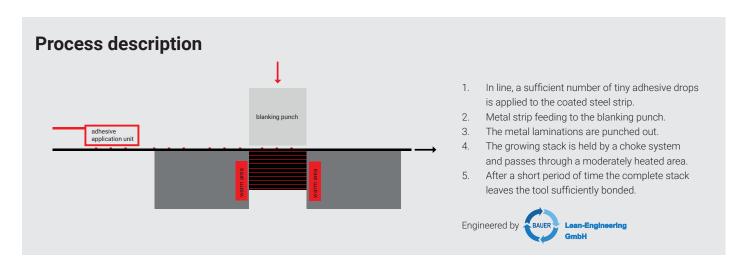
- + Enhanced geometrical and electromagnetic properties
- + Improved stacking factor due to thin adhesive layer
- + Reduced electrical losses
- + Reduction of eddy currents
- + Integration in punching process possible

#### **Customer Benefits**

- + Freely accessible technology for every producer of laminated cores - easy in-house realisation
- + Low investment due to possible integration of adhesive application unit into already existing production lines
- + Adhesive stacking technique meets the increasing requirements for the production of high-efficiency motors versus commonly used technologies
- + Increase of motor efficiency up to 3 %
- + Reduced scrap rate due to reliable part quality

#### **Commonly used technologies**





### **Adhesive properties**

Description	Specifications	
The adhesive 2124 is a low viscous product that can be easily dispensed automatically. It was developed to reliably bond electrically insulated stator or rotor laminations. Curing can be achieved in a short period of time by increasing the temperature in the stacking process.  The adhesive cures to a slightly tough-elastic bond that is also resistant to hot ATF oils.  2124 can also be used in combination with the solvent based activators 4900 or 4901 in order to achieve fast curing at ambient temperature.	Product technology	Modified Urethanacrylate
	Colour	Light yellow
	Viscosity @ RT [mPas]	300 - 500
	Tensile shear strength [N/mm²] Steel-Steel	> 13
	Operational temperature range [°C]	-55 - +175
	Compression shear strength [N/mm²]	> 21

#### Interested? Our experts are happy to support:

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