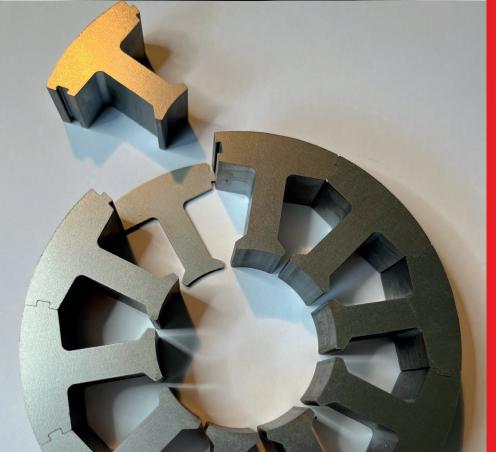
BONDING +
SEALING +
ENCAPSULATION

Next generation of adhesive bonded laminated cores







ADVANTAGES OF ADHESIVE STACKING TECHNIQUE

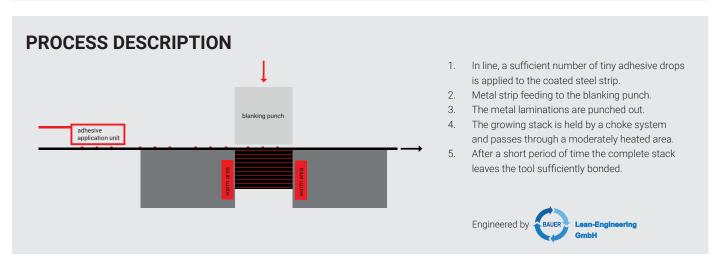
- Enhanced geometrical and electromagnetic properties
- + Improved stacking factor due to thin adhesive layer
- + Reduced electrical losses
- + Reduction of eddy currents
- Integration in punching process possible

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 low to medium viscosity products 2206 and 2124 are specially developed for reliable bonding of electrically insulated stator or rotor laminations into stacks. They are easy to dispense automatically. Curing can take place in a short time by increasing the temperature during the stamping process. 2124 can also be used in combination with the special solvent-based activators 2900 or 2901 to achieve fast curing at room temperature. The self-levelling, capillary flowing 2206 can only be cured thermally (≥ 100°C). Both adhesives lead to high-strength, slightly tough-elastic bonds that are also resistant to hot ATF oils.	Productname	2124	2206
	Chemical Base	Modified urethane acrylate	Modified urethane acrylate
	Color	Light Yellow	Light Yellow
	Viscosity at 25°C	300 - 500 mPa•s	55 - 85 mPa•s
	Tensile shear strengt according to DIN EN 1465 on steel	> 13 N/mm²	> 13 N/mm²
	Compression shear strength according to DIN EN ISO 10123 on steel	> 21 N/mm²	> 21 N/mm²
	Temperature range	-55°C to +175°C	-55°C to +175°C

Interested? Our experts are happy to support:

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