

FACT SHEET

MetaloBond™ Technology



Powerful and flexible
MetaloBond™ Rotor/Stator stacks made by ElringKlinger

MetaloBond™ Technology: increased mechanical strength, superior sealing performance for direct cooling concepts and an enhanced flexibility and versatility of the glue to meet additional customer requirements.

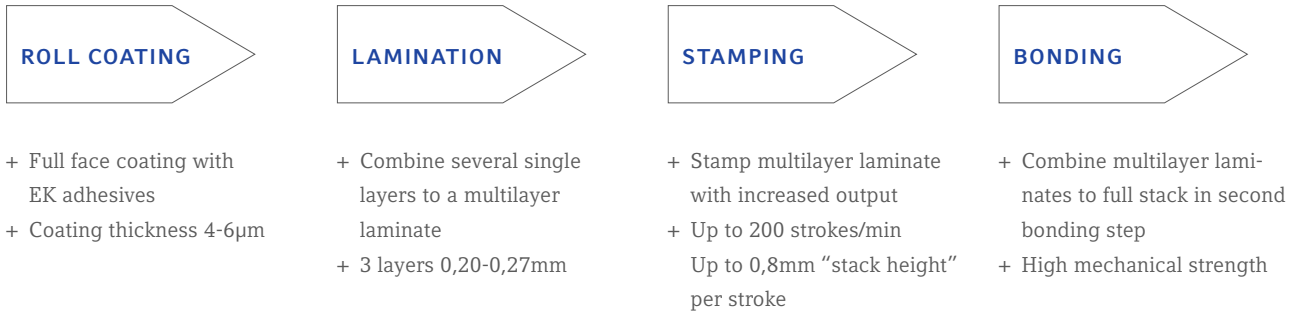
MetaloBond™ is manufactured with a full-face glue technology which is applied in an already established and well proven coating process. The full face gluing technology offers increased mechanical strength and superior sealing performance for direct cooling concepts. The enhanced flexibility and versatility of the glue allows to meet additional customer requirements. Furthermore the full face glue allows to manufacture a multi-layer compound in order to process multiple layers per stroke which enables a high level of competitiveness.



ELRINGKLINGER – YOUR PARTNER FOR LAMINATED ROTOR/ STATOR STACKS

Product Development (Design, Engineering and Simulation) – Process Development – Tool Shop – Tool Sampling/Prototyping – Testing – Change-Management – Series Production – Part Measurement

New Concept



Benefits

- + Optimal magnetic flux = highest efficiency
- + High stack stiffness allows for higher rpm and reduced NVH
- + No leakage between layers allow integrated cooling concepts
- + Temperature resistant > 180 °C
- + Oil and coolant resistant
- + Efficient production processes and maximized value add approach ensure high competitiveness
- + High flexibility in terms of raw material selection

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