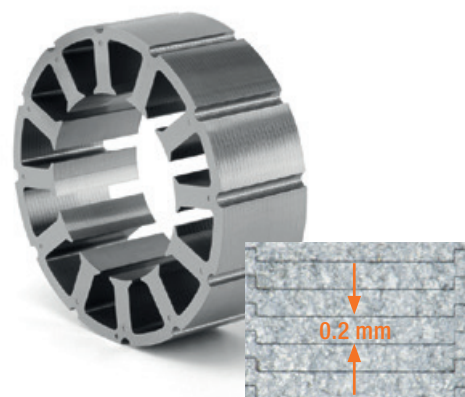


STATOR STACKS FOR COST OPTIMIZED HIGH PERFORMANCE ELECTRIC MOTORS



Industry Standard

VAC Solution

Material

- ASTM A801
- Vanadium-Permendur
- 49% Co - 49% Fe - 2% V
- Produced by company A

- **VACODUR 49**
- **Latest ASTM A801 alloy**
- **Optimized for stamping & interlocking**
- **Produced by VAC**

Stack Production

- Stamping or laser-cutting by company B
- Annealing of single laminations by company C
- Bonding or laser-welding into stacks by company D

- **Stamping & stacking in one step**
- **Annealing of bonded stator/rotor core**
- **Streamlined production flow**

Stack Properties

- Supply chain with up to 4 companies
- Typical strip thickness ≥ 0.15 mm
- Tool and/or fixture required
- Standard Permendur loss level
- Standard tolerance level (stamped parts)

- **Entire processes in one place, full process control incl. TS 16949 & EN 9100 certificates**
- **Strip thickness down to 0.1 mm (stamped) & 0.2 mm (interlocked)**
- **Tooling required**
- **Sophisticated electrical insulation**
- **Superior induction level**
- **Standard interlocked tolerances**
- **Certification of each individual core**

ADVANCED MATERIALS – THE KEY TO PROGRESS

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