



# From Electrical Steel Sheets to Lamination Stacks Prototypes and Small Series

Lasing ♦ Punching ♦ Stacking ♦ Welding ♦ Bonding



**EMT** Ingenieurbüro GmbH  
for Electric Machine Technology

EMT Ingenieurbüro GmbH has established itself as a full-service development partner for motor projects.

We supply you with loose sheets, lamination stacks and complete prototypes with winding, installed in the motor housing, including bearings, if required.

**Lasered sheets** are manufactured according to your drawing. In addition we integrate our know-how to design the sheets optimized for manufacturing.

Our warehouse includes sheets of 0.2 mm to 0.65 mm thickness in various qualities, with and without selfbonding varnish.

**Punched sheets** are cost-effective even in small series thanks to the economic tools.

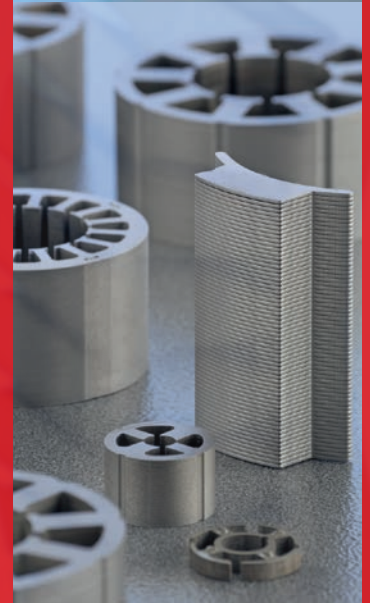
Depending on your requirement, we recommend a simple compound die or a progressive die.

From single lamination stacks for first tries to small series, we **stack** according to the following processes:

- ♦ Bonding
- ♦ TIG welding
- ♦ Laser welding
- ♦ Riveting

Further processing

- ♦ Winding, installation by shrinking or gluing and encapsulating
- ♦ Shrinking rotor stacks on the shaft and, if required, attaching magnets
- ♦ CFK or GFK bandages



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