



# From Electrical Steel Sheets to Lamination Stacks

Stators and Rotors - Prototypes and Series

Laser cutting - Punching - Interlocking - Bonding - Welding



**EMT Ingenieurbüro GmbH**

für Elektro-Maschinen-Technik

EMT offers a comprehensive range of services and products in the field of electrical machines.

### **Laser-cut Electrical Steel Sheets**

Our stock includes sheets from 0,1 mm to 0,65 mm thickness, in different qualities, with and without bonding varnish coating. The production is carried out with the usual laser tolerances.

### **Punched Electrical Steel Sheets**

As we are able to manufacture inexpensive tools, it is economical to punch even smaller quantities. For medium quantities we recommend the use of progressive tools. Advantages of these tools are the higher precision and the longer service life.

### **Stacking**

From the first prototype to the small series, we stack sheets according to the following procedures:

- Bonding / Gluing
- WIG welding
- Laser welding
- Rivets

Larger series are manufactured using the interlocking process.

### **Processing**

In order to increase the accuracy of the inner and outer diameters of lasered packages, these can be grinded or honed subsequently.

### **Eroding**

In special cases we erode the stator or rotor stacks from prepared sheet metal stacks.



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