



AUTOMOTIVE

## Weight-optimized rotor shaft from one piece for drives of high performance e-motors



### Market development and targets

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More climate protection and legal requirements to reduce CO<sub>2</sub> emissions: mobility is being rethought. The global automotive industry is facing a big change, which needs to be mastered with innovations.

The demand for electric vehicles is strongly growing. The market requires high performance e-motors and drive trains as well as high power batteries with increased range. According to the market requirements LEIFELD has developed innovative processes to produce weight-optimized rotor shafts from one piece.



## RFC Series

Necking-in machine for the precise production of rotor shafts from one piece



### Highlights of the RFC Series

- ✓ forming workpieces from a tube or from solid bar
- ✓ production of extremely sturdy rotor shafts from a single piece
- ✓ high material utilisation accompanied by improved strength and hardness of the part
- ✓ high flexibility and easy adaption of the part design
- ✓ compact machine construction
- ✓ high machine availability and process stability

### Technical Data

Min. outer diameter of workpiece	10 mm
Max. outer diameter of workpiece	100 mm
Max. length of total workpiece	400 mm
Max. forming length of the machining area	100 mm