

Advanced Multiphase FSCW

Let's shift gears

Sometimes it is necessary to have two or more points of operation. State of the art would be to combine an electric motor with a gearbox. Additional costs and lack of efficiency is the result.

With an advanced multi-phase design it is possible to solve the problems. Multiple number of phases can be used to generate two different pole pairs in an induction machine rotor. Changing the number of pole pairs of the machine during operation offers the opportunity to utilize the best efficiency in the torque speed plane. In addition, the switching pole operation modes improve the field weakening capability of the machine.

Optimize your machines – with Advanced Multiphase technology!

