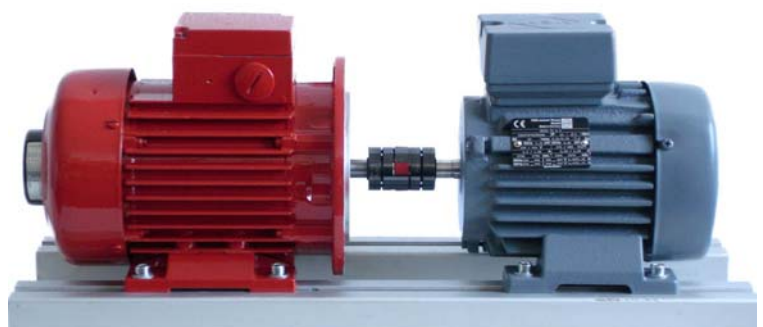


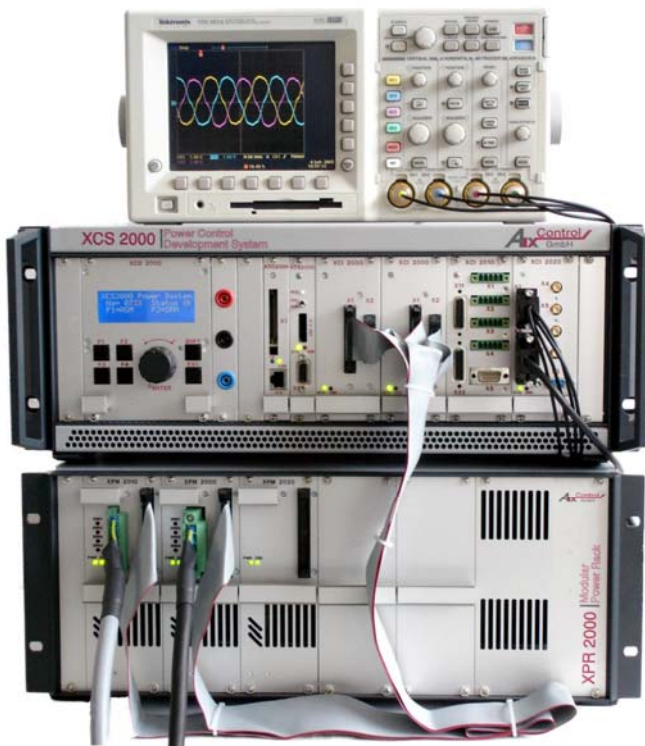
# Flexible Power Rack

# XPR 2000



The new modular XPR 2000 Power Rack fits directly to our modular XCS 2000 Power Control System. Due to its unique backplane concept, it allows the combination of different power topologies in one case: e.g., a standard two level hard-switching power module can be combined with a soft-switching multi-level topology. The backplane connects not only all power levels of the various modules, it provides also an interaction between all modules. Multiple safety features are built in to minimize any risk of system destruction during the development process.





The power rack is designed to handle dc-link voltages and currents up to 800 V and 32 A on up to five voltage levels.

All power and signal connectors are well described allowing the user to expand the rack with its own power modules. On the other hand, the flexible module construction facilitates the adaptation of our modules to the customers' demands. The modules can be equipped with power semiconductors rated up to 1200 V and 25 A<sub>rms</sub>.

At present, three different power modules (XPM 20xx) are available:

- **XPM 2000:** Standard module for a three phase converter (incl. soft-switching)
- **XPM 2010:** Switch Reluctance module with four asymmetric half-bridge output stages.
- **XPM 2020:** 3-level break-chopper module with internal resistors.



Additional modules are available, soon. Please contact us!

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