



For fluid applications, for example, for use in examination and therapy devices, complex assemblies are required to be easily integrated into an overall system in a space-saving design.

With the AirBoard®, Kendrion has developed a modular system consisting of a multilayer PCB that carries all electronic components, including valves and fittings. Instead of hoses, flexibly designed channels in the PCB connect the fluidic elements, eliminating complex assembly.

The AirBoard® is suitable for non-aggressive gases such as air, noble gases, oxygen, and liquids such as water, alcohol, and detergents. By connecting the electronic SMD components with the customer-specific valve assemblies and sensors, a compact unit integrates all functions from signal input to fluid output.

At our customer Agfa Gevaert Health Care GmbH, the AirBoard® is used with 12 valves in a device for computed radiography. It is used to distribute vacuum for gripping and holding the storage luminescence, which is crucial for the system's precision.

#### Product features

- compact and fully integrated
- customisable and flexible
- media resistance for water, air, oxygen, alcohol, various detergents

#### Other areas of application

- printing machines
- office machines
- medical equipment
- mobile machines



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