

Innovations

Our new drive is the *Torque Block*. It is small, extremely fast, energy-efficient and ideal for positioning systems. It is suitable

- for all types of valves,
- for tilting mirrors, also in arrays
- for ultrasonic sensors up to 2 MHz or 12m at 40kHz
- as a stepper motor, absolute displacement, wire feed
- for your application.

With a lifespan of $> 10^{10}$ load alternations, the torque drive achieves top performance with its tiny size and shows no temperature drift. It is a breakthrough in the use of ceramic drives for industrial production techniques.

Other product ranges:

- drives:
 - torque drives
 - classic piezo drives with patented double stack
 - or single stacks
- piezo sensors:
 - *ps/mt* modular ultrasonic transducers, also complete as
 - *ps/ms* modular ultrasonic sensors
 - *ps/ks* structure-borne vibration sensors, as system or component
 - *ps/ulm* ultrasonic sensors for liquids
- Other piezo products can be built according to the customer's requirements or drawing.

In addition to ruggedised control systems for heavy machinery, we also produce every type of control electronics for ceramic drives, from mW to kW, with a positioning precision of up to 10^{-5} , using standard interfaces and modern analogue or digital control concepts.

System components are:

- ceramic innovations, such as
- torque actuators
- modular ultrasonic converters
- transmissive structure-borne vibration sensors, all with
- electronics and software
- application design and system integration

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We provide the following services:

- consultation on the technical application
- mechanics and construction
- joint project planning of the solution
- installation and maintenance