

## Magnetic ring module



This mechatronic module integrates a ring magnet and a sensor together with a sealing system. A ring magnet is a circular magnet with alternating poles (north and south) magnetized along the circumference.

It serves as a target for a magnetic sensor placed so as to detect the poles as they pass by. The active sensor delivers a pulse train with a frequency that is proportional to the shaft speed.

These two components can be combined with the sealing function (gasket or plate-mounted seal) in an integrated

module.

Such a system improves accuracy by reducing error due to mechanical tolerances.

Electricfil solution - ready technologies

## Characteristics

- Easy integration
- Smaller size
- Faster mounting
  
- Fewer parts
- Cost effective for high production volumes

## Electricfil knowhow

- Wide range of packages and interfaces
- Harsh environments
- Patented magnetic patterns

## Application domains

Engine management

[Camshaft and crankshaft](#)