

DRIVES TECHNOLOGY

KOSTAL

Uniquely accurate Positioning without sensor

INVEOR performance-class frequency inverter with
innovative KOSTAL ISP positioning function

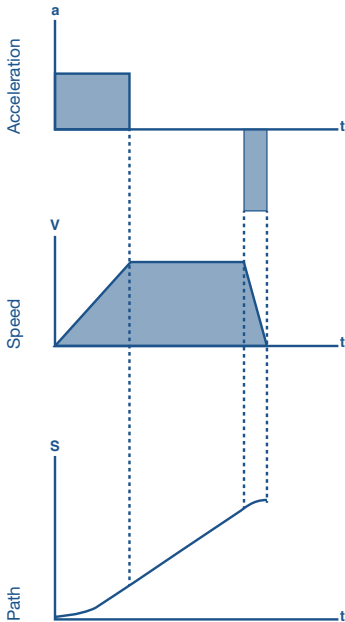
THE
ADDED VALUE
FOR YOUR
APPLICATION



Smart
connections.

Highest performance without sensor

KOSTAL Integrated Sensorless Positioncontrol (ISP): Based on the anisotropy of the motor, the control method determines the exact rotor position completely without an additional position sensor. Advantage: High-performance sensorless control of all motor types. This means that positioning applications with all synchronous and synchronous reluctance motors are also possible completely without sensors.



Real added value for your application

- Cost savings by dispensing with position sensors
- Greater flexibility in the application: use in difficult environmental conditions possible
- Positioning applications without of a rotor position sensor
- High-resolution speed control comparable with the performance of an incremental sensor
- Positioning accuracy of the KOSTAL ISP just as with encoder-based systems: infinite number of repetitions without drifting
- Suitable for many standard positioning applications

Rethink now and reduce costs in the long term:

Advantages of sensorless control technology from KOSTAL



Maximum efficiency

in the control of all motor types. Exceeds the requirements of the Ecodesign Directive.



Extended speed setting range

up to standstill. No changeover points, no controlled operation.



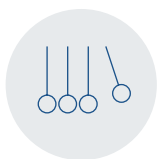
Heavy Duty

Without sensor no problems with vibration, humidity, heat, cold, dust or radiation. High reliability and long service life.



Overload

200% unit overload. No overload limits due to sensorless control technology.



Highest dynamics

with consistently high precision. Jerk-free starting and stopping (S-grinding).



Starting torque

Highest breakaway torques. Precise control even at the lowest speeds.