

# Motorised positioning systems

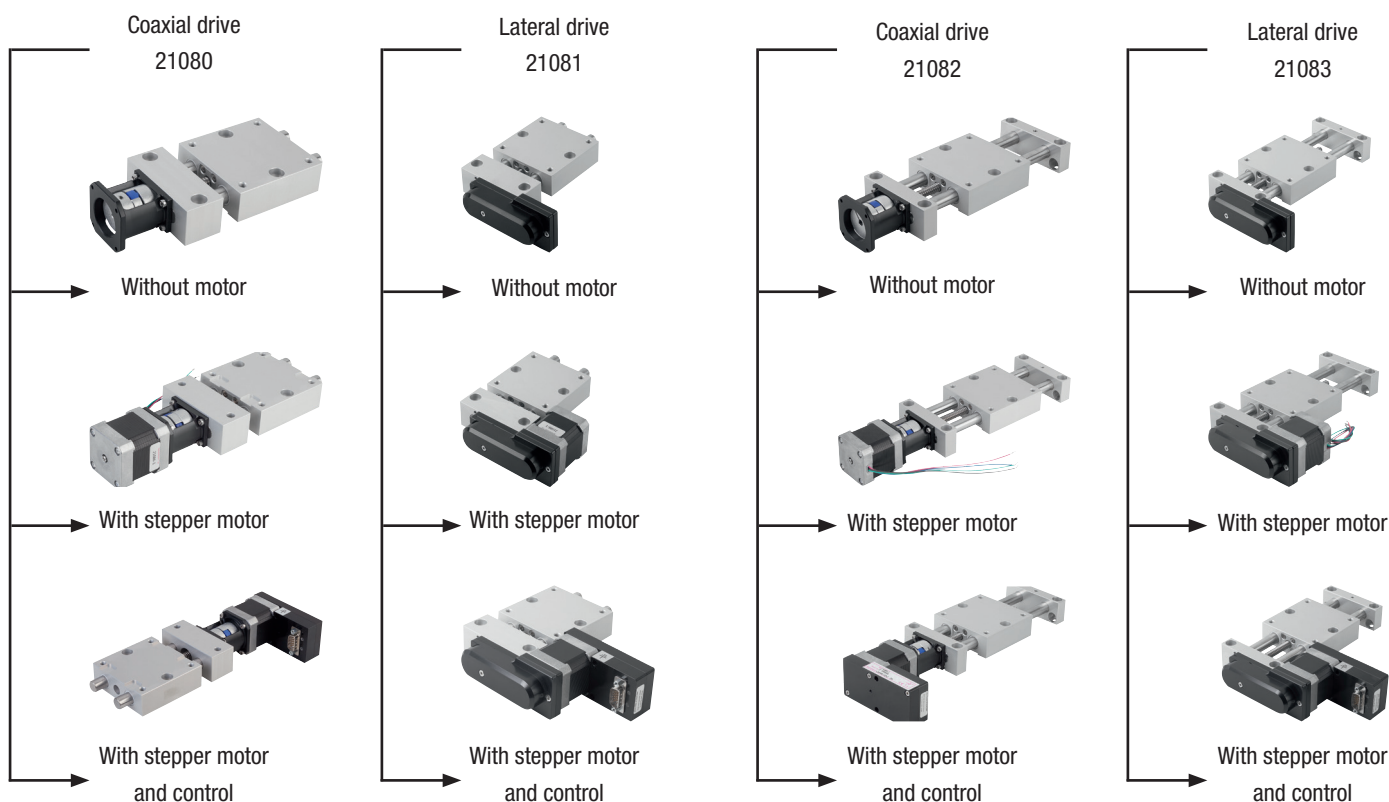
Motorised positioning systems are utilised due to the increasing requirements for efficient process design. In areas such as development, industry, production or laboratories, motorised positioning is used to make processes more efficient and thus save resources. The norelem product range includes motorised positioning systems for positioning workpieces in linear and rotary movements.

## Positioning stages with linear guide

Our motorised positioning stages offer a robust, reliable and cost-effective solution for automated linear positioning. We offer two versions of the motorised linear stages, short and long, each in two sizes. The short version is a space-saving solution for a stepper motor linear actuator. The carriage guide is only supported on one side. The carriage of this linear stage with drive therefore moves as if on a cantilever. On the other hand, the guide rods of the long motorised positioning stage are supported both sides, enabling a rigid, slim design. The travel is 24 or 30 mm for the short stages and 50 or 75 mm for the long stages. The diameter of the guide rods is 8 or 12 millimetres. There are a total of 74 variants of short tables and 74 variants of long tables.

### Short (sizes 8 and 12)

### Long (sizes 8 and 12)



## Rotary positioning stages

Our four different rotary positioning stage families solve a wide range of positioning tasks. They are suitable for the precise, rapid and repeatable adjustment of angular positioning.

This enables us to offer advanced industry 4.0 solutions. We offer the universally applicable rotary positioning stages with coaxial electric drive and compact precision, the particularly rapid and precise rotary positioning stages with coaxial electric drive for medium loads and our most powerful product family, the rotary positioning stages with coaxial electric drive for high loads, with maximum performance. The powerful rotary positioning stages with coaxial electric drive for high loads position the tables accurately via cross rollers, even under high mechanical loads.

By the rotary positioning stages with toothed belt drive, the turntable is not driven by a worm gear. Here, a stepper motor is used to rotate the table via a toothed belt drive. This enables rapid and dynamic rotation of the turntable.

Our rotary stages with motor are used in test laboratories, in research, in mechanical engineering and automation, in the plastics processing industry or as welding rotary stages.

Select the perfect rotary positioning stage for your application from our four product families.

In total, there are 63 variants driven by a worm gear and 6 types with a toothed belt drive.

### Drive via worm gear

### Drive via toothed belt drive

