

# Motion & Control Solutions

## Customer specific drive solutions

NSK has a wide range of linear and mechatronic products. These products are supported and technical applications can be developed by our experienced engineering team.

This means that not only do we assist the customer from the concept through to serial production but that we can also add value by developing the customer specific application from a component selection exercise to a system solution.



## Motion & Control concept

The objective of Motion & Control Solutions is to develop a complete customer specific drive system, which can consist of NSK linear guides, ball screws, support units, direct drives and Robot Modules with additional customer specific components.

This gives you many advantages including:

- Reduction of the number of suppliers and individual components
- Reduction of development time and installation time required
- High flexibility without additional stock holding
- Simplified procurement and cost management

## Engineering Service

Of course our highly qualified engineering team can do many additional tasks for you:

### Design and Specification

NSK provides support to the design of your machinery systems – from linear guides to direct drives.

### Advice

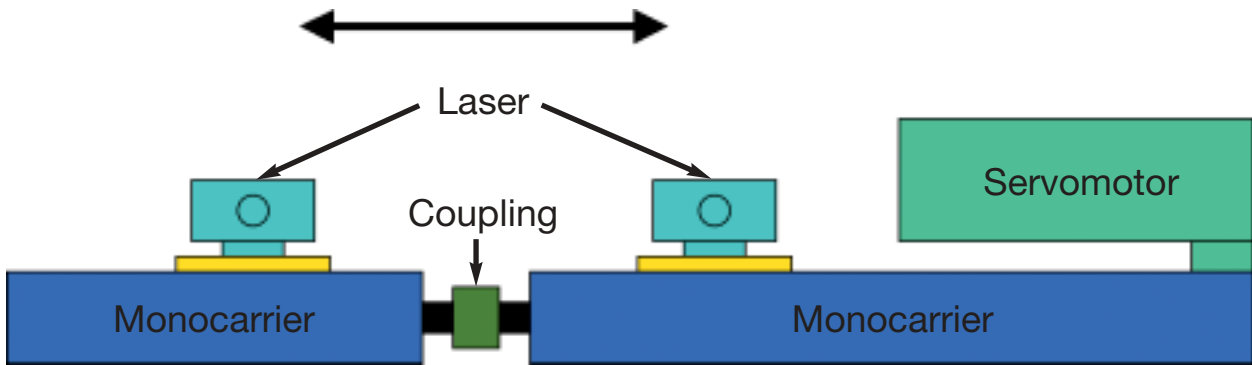
We have vast experience in optimising the design for many applications. In the event of a problem we can provide a detailed failure analysis.

### Presentations

If requested we run technical trainings about our products.

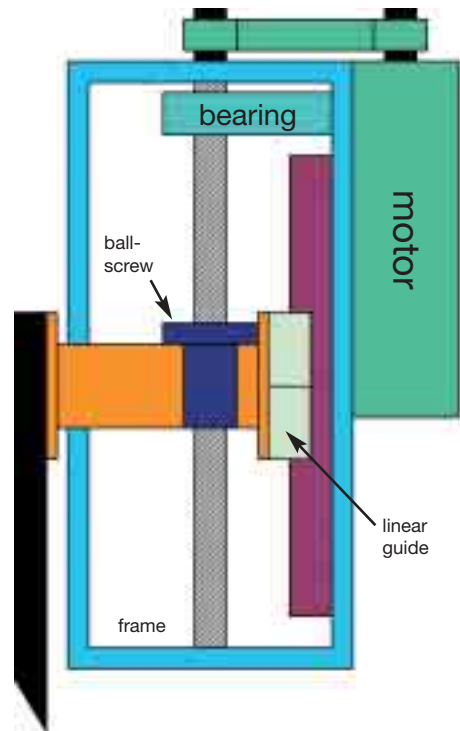


## Examples for customer specific drive solutions:



- Industry : General Machinery  
 Application: Laser Inspection  
 Value Added Assembly:  
 Complete motion subsystem, including
- NSK Monocarriers
  - Servomotor
  - Coupling

- Industry: Automotive  
 Application: Component de-burring  
 Value Added Assembly:  
 Complete replacement of  
 pneumatic cylinder, including
- NSK ball screw
  - NSK support bearing
  - NSK linear guides
  - Servomotor
  - Frame
  - Pulley



- Industry: CD industry  
 Application: CD unloading  
 Value Added Assembly:  
 Complete vertical + turning  
 unit including
- NSK ball screw
  - NSK linear guide
  - NSK Megatorque motor
  - Servomotor
  - Frame
  - Pulley



## Maintenance and repair

In the NSK Service Centre we have the capability to repair nearly all linear and mechatronic products that are delivered by NSK in Europe.

- Specialised service and repair using original spare parts
- Quick, valuable repairs of ball screws, linear guides and mechatronic products
- Product failure investigations and support
- Rework of linear guides and end machining of ball screws to customer drawings
- Customisation of drive units to customer specification



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