



DIRECT-DRIVE MOTION TECHNOLOGY

**TECHNAI TEAM S.P.A.**

Via Gelada, 15  
21015 Lonate Pozzolo (VA) Italy  
Tel. +39 0331 661624  
Fax +39 0331 301732

[www.technai.it](http://www.technai.it)  
[technai@technai.it](mailto:technai@technai.it)



**AK  
SERIES**  
DD ROTARY  
AXIS MODULES



DIRECT-DRIVE MOTION TECHNOLOGY

## AK SERIES DD ROTARY AXIS MODULES

Technai Team S.p.A. was established in 1993 upon a sound basis of both mechanical and electromagnetic engineering skills. Today is widely regarded as one of the major specialists in Direct Drive technology applied to Machine Tool and Industrial Automation.

Its product range is divided into two main categories:

Components, that is torque motors elements, and Systems like milling heads, rotary and tilting tables, rotary actuators and individual dedicated function's modules.

### PRODUCT OVERVIEW

The AK rotary axis modules series has been developed for the industrial automation market and finds its most suitable application in cases where productivity growth is a primary target.



### APPLICATION FIELDS

The AK series is a freely programmable rotary table, suitable for carrying out continuous and intermittent rotating movements in accordance to the most different laws of motion by exploiting the advantages of Direct Drive technology, so it can replace traditional mechanical systems, such as cam actuated indexing table or with servo motors with gearbox.

The most typical industrial application field of the AK rotary table are the industrial automation machinery with rotary indexing process i.e.: pharmaceutical, cosmetics, food industries, general handling and assembling process, etc.

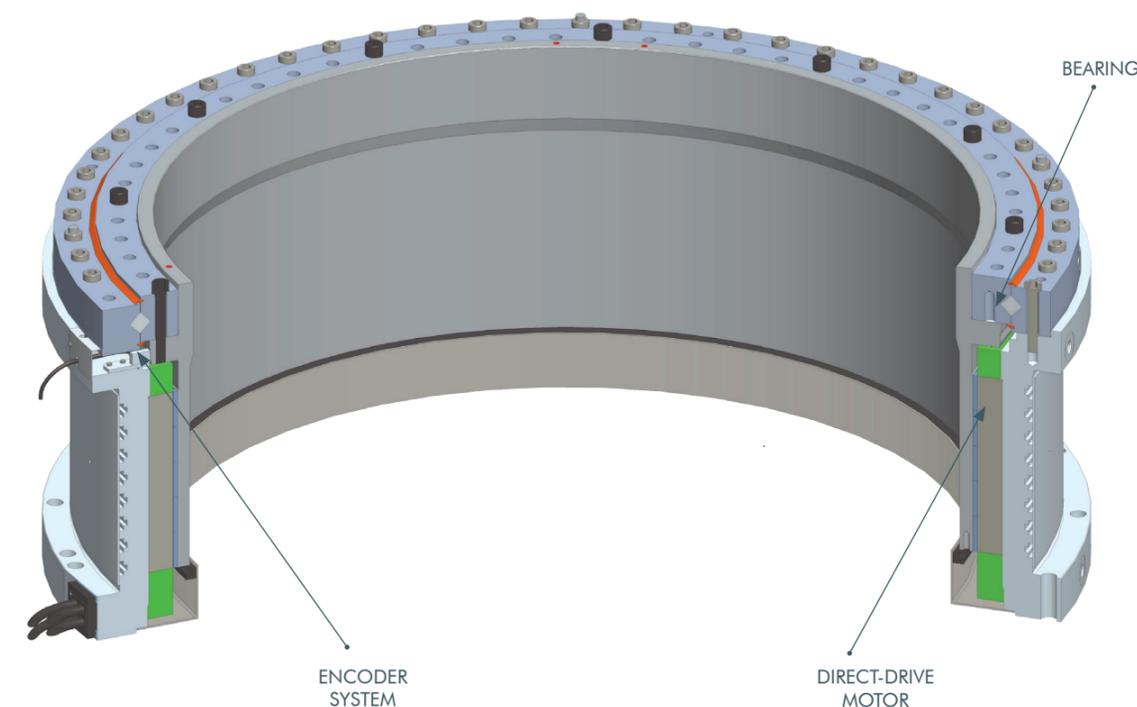
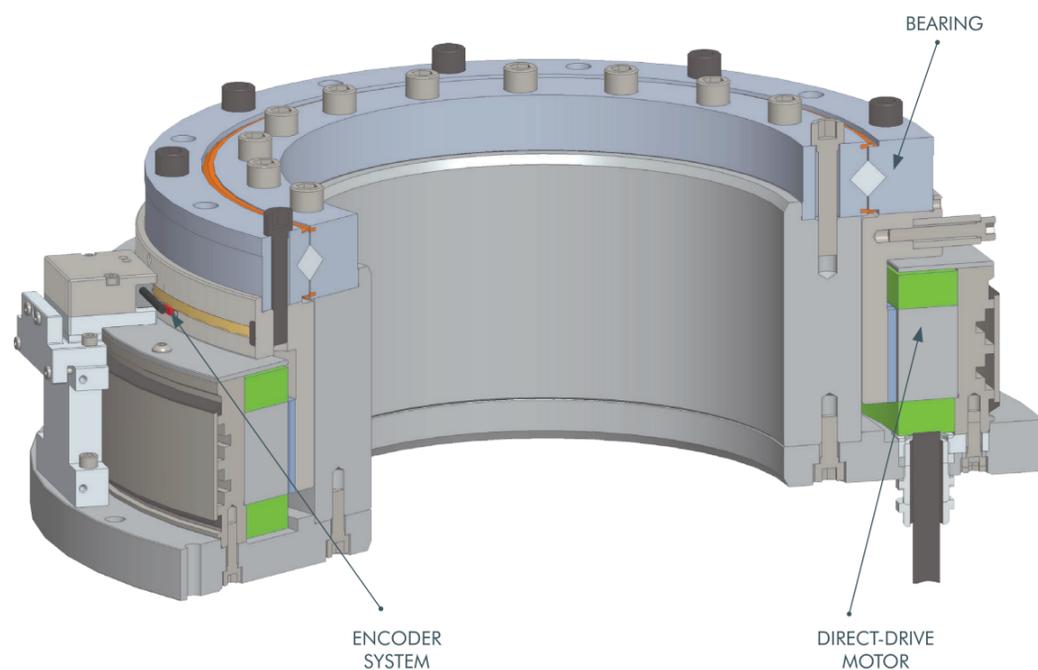
### MAJOR INNOVATIONS AND BENEFITS

The constructive design of the AK system table is a "ready to use operating component" makes it easy to integrate into production lines, allowing a significant increase in overall performance and productivity, and reliable maintenance free operation.

- Integrated Direct Drive technology
- Ease and speed of installation
- Maintenance free
- Superior positioning accuracy

## TECHNICAL SPECIFICATIONS

The AK rotary axis series incorporate all the typical elements such as the direct-drive motor, the bearing, the encoder feedback system and the optional clamping system. The range is based on the MK-CI torque motors standard range, but is largely customizable depending on the customer requirements.



### CONFIGURATION OPTIONS under request

- Hydraulic clamp system
- High precision version (enhanced accuracy with encoder double reading head)