



# FIBROMOD

## MODULAR SERIES FOR MACHINE TOOLS

With the **FIBROMOD** rotary table series, you benefit from our modular design – with the standardised ranges, we cover a large number of customer requirements for machine tools. Thanks to optimised interfaces, we can easily respond to special requirements.

## FIBROMOD

Our **FIBROMOD** modular rotary table series covers a wide range of machining requirements in one system. The main foundation for this, in addition to the use of standardised components, is the well thought-out use of interfaces. These allow us to offer you the optimum drive variant with a high level of flexibility depending on the application.

The service-friendly design of the series also enables easy accessibility and individual adjustments, even after many years of industrial production.

The **FIBROMOD** is characterised by high precision and enormous rigidity in machining processes. Thanks to the modularity, the product focus can, for example, be placed on the highest speeds and acceleration with extremely fast positioning times or high-precision positioning depending on the application.

## M DULAR

Due to its modular design, the **FIBROMOD** series can be flexibly adapted to different requirements in the machine tool. Basic elements of the rotary table are standardised so that the optimum drive type can be selected to suit the application.

Whether the application calls for low speeds and short duty cycles, high dynamics or large as well as permanent loads, worm drives, direct drives or twin drives can be easily attached to the **FIBROMOD** as required. So we always find the best solution for your needs.

The constructional separation of the table top neck from the table top allows for various table tops to be set up easily.

For high flexibility with media feed-through, the rotary distributor can be expanded to up to 12 lines in addition to the standard variant for four lines. Various rotary distributors for media such as air, hydraulics, vacuum or coolant can thus be integrated via suitable interfaces.

Due to the modular principle, the **FIBROMOD** can be easily converted as soon as it has to cope with new tasks. For you, this means a high level of flexibility.

## CLAMPING C NCEPT

The unique hydraulic clamping concept of the **FIBROMOD** offers three functions within the same installation space:  
**Pressureless open | Pressureless clamped | Emergency stop function**

The "pressureless open" function is actively clamped with hydraulic pressure so a pressureless clamp is always open. This clamping is perfectly suitable and easy to implement for most applications.

The "pressureless closed" function generates a residual holding force in the pressureless state via a spring package; this force holds the rotary table in position even without clamping pressure. In active operation, the clamp is also pressurised to generate the maximum clamping torque for machining. This variant is ideal for horizontal rotary axes with eccentric loading or multi-axis combinations.

The "emergency brake" function is also available for the pressureless clamped variant. It protects against damage to the mechanics in the event of faulty situations or unexpected power failure by immediately activating and actively braking the axis.

The clamp is located close to the force application point, allowing optimum flow of force and high stiffness.

All three variants are FIBRO in-house developments and fit into the same installation area to save space. Subsequent replacement is also possible if the application changes.

## C MBINABLE

Due to different combination options, **FIBROMOD** rotary tables can also be used as a fourth or fifth axis. They are therefore suitable for complex requirements such as simultaneous, multi-sided and turning operations.

Sub-assemblies with two rotary axes enable five-axis workpiece machining in machining centres. The swivel axis, which is bolted to the machine tool, can be used either with or without a thrust bearing.

As a FIBRO customer, you benefit from our high level of expertise in finding solutions as well as our experience in the implementation of customer-specific requests.



**FIBROMOD**  
is available as standard  
in sizes 2 to 8 with vertical  
rotary axis and in sizes 2 to 5  
with horizontal axis  
as well.

THE HIGH  
LEVEL OF  
STANDARDISATION  
ENSURES  
A **SHORT**  
DELIVERY TIME  
FROM 5 WEEKS.



WE LOVE TECHNOLOGY