SYSTEM COMPONENTS

▶ system add-ons for even greater performance

▶ ABOUT THE PRODUCTS

POSSIBLE USES

The perfect match
Do you wish to do horizontal processing around a workpiece without changing the tool, but you don‘t have a machine with a C-axis? Or maybe individual machine elements must be provided with compressed air, electricity, or another medium? Zimmer Group has a variety of system components that do this and more and work flawlessly with your existing solution.

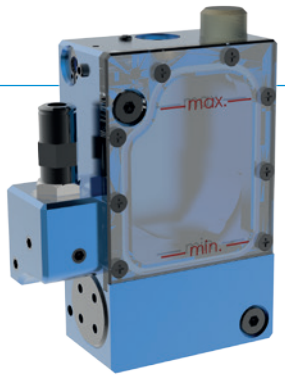
Tool machines for machining

- **metal**
- **wood / materials similar to wood**
- **light metal**
- **composite materials**

ADDITIONAL INFORMATION

Custom solutions:
In addition to the components shown here we also offer special system solutions. Challenge us!

▶ PRODUCT BENEFITS



Lubrication cartridge

- **Decentralized oil-mist generation**
  for lubricating high-performance gearboxes
- **Used at very high speeds**
- **Triggered via machine-based compressed air pulse**
  Control over lubrication volume
  adapted to the specific application
  adapted via machine controller

▶ PRODUCT BENEFITS

C-axis

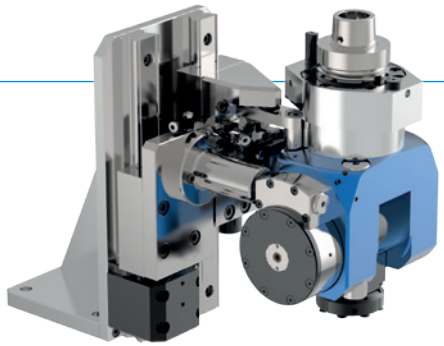
- **NC angle positioning of exchangeable units**

  by expanding the existing machine base axes (XYZ) to a fourth axis (C-axis)

- **Supplies exchangeable units**

  with three independently activated compressed air interfaces

▶ PRODUCT BENEFITS



qinX

- **Pivoting unit with automatic angle adjustment of the A-axis via the machine‘s Z-stroke**
- **Customer can bring unit into operation independently**

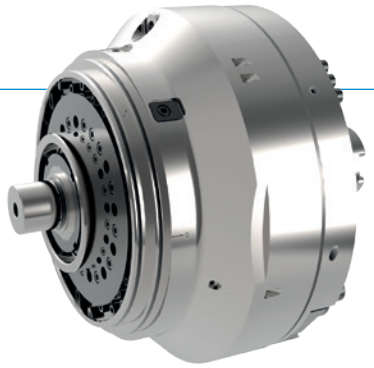
  no adjustment of machine controller necessary

- **Manual or automatic tool exchange**

SYSTEM COMPONENTS

▶ system add-ons for even greater performance

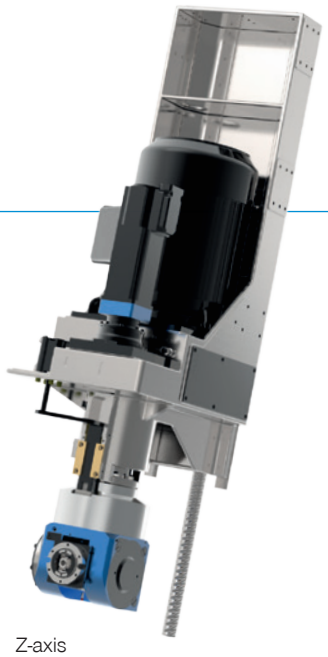
▶ PRODUCT BENEFITS



C-axis functionality

- **Exchangeable adjusting axis**
  for machines without C-axis
- **Angle adjustment**
  via the main spindle
- **High running quality of the turning axis**
  thanks to highly rigid and precise axial radial bearings
- **Very high reproducibility of the angle position (≤ 0.01°)**
  through use of Hirth rings

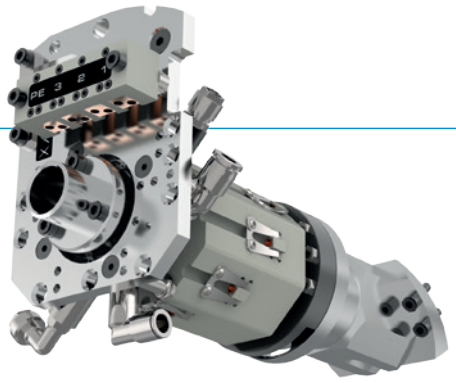
▶ PRODUCT BENEFITS



Z-axis

- **Complete Z-axis module of a tool machine**
- **Includes C-axis and processing unit**

▶ PRODUCT BENEFITS

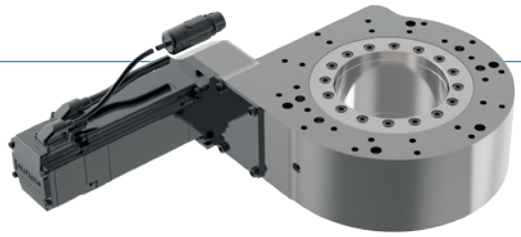


Rotary distributor

- **Supplies system components**

  with a variety of media, i.e. compressed air, electrical power, hydraulic oil, water / cooling water, minimum quantity lubrication, etc.
- **for hollow shaft Ø77 and up**
- **Up to 8 lines compressed air / fluid**
- **Up to 24 kW power transmission**
- **Transmission of up to 24 signals**

▶ PRODUCT BENEFITS



Pivoting axis

- **Compact NC pivoting drive for system components**
- **Integrated worm gear for drive power**
- **High running quality of the turning axis**

  through use of high-quality cross-roller bearings
- **Maintenance free**

  with permanent oil lubrication
- **Contains hollow shaft for optional use of a rotary distributor**

  attached system components can be supplied with electrical energy or other essential media when used in combination with the rotary distributor