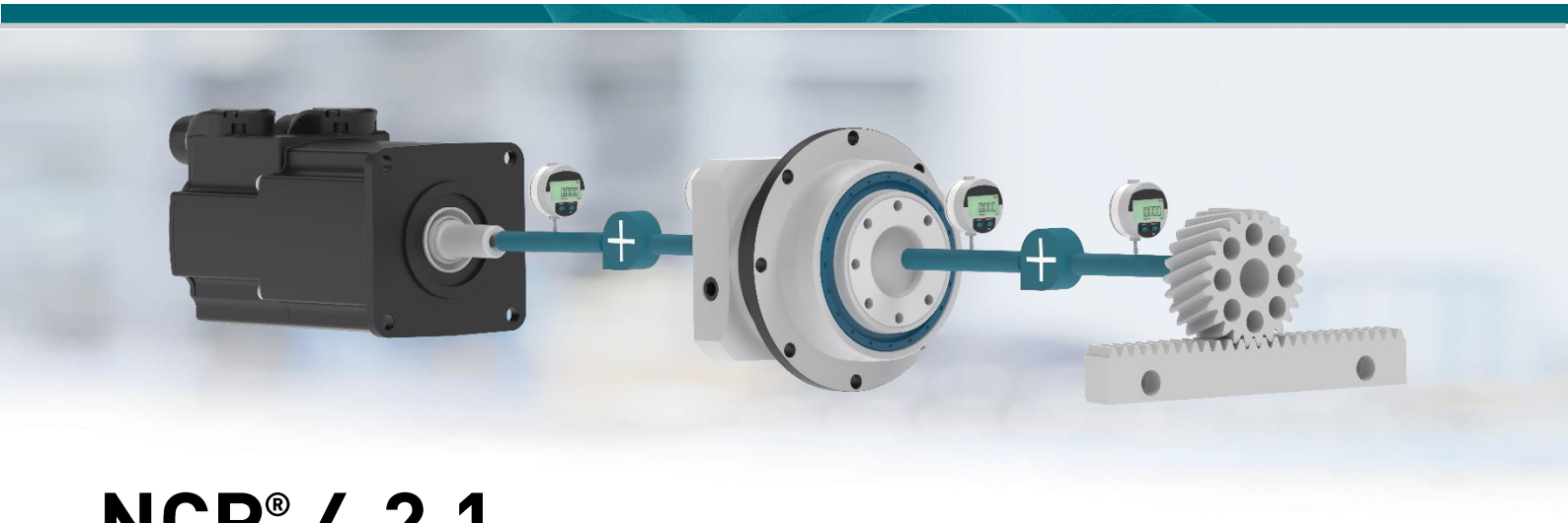

NCP® 4.2.1

Release note for version 4.2.1

Dated July 1, 2020

New features and bugfixes

- Application rack/pinion: added Neugart pinions with calculation of the pinions
- Bugfixes:
  - Motor database: showing motor shaft diameter, update of product filter
  - Conversion of the input values: correction of small differences in the calculation results
  - Calculation of thermal safety with long term cycles

New features and extensions of 4.2

- New application for automatic guided vehicles (AGV) and autonomous mobile robots (AMR)
- Application-related improvements
  - Spindle: Specification of the friction torque
  - Rotary Table: Transfer of all calculated mass inertia values to the main window
- Improved usability
  - Adding NCP 3.x (.rsd) or NCP 4.x (.rsdx) control lines to an existing project
  - Significantly simplified data import of read-out motor data
  - Calculations in input fields
  - Conversion of the input values after changing the unit can be switched off
  - Freely selectable thousand or decimal separator (dot/comma)
  - Complex load case: specification of the acceleration time for movements
  - Saving of the mass inertia bodies in the control line with predefined cycles
  - Showing the gearbox stages on the main screen
- Improved documentation of the gearbox by means of load bars in the results
- Integration of the new NGV and PFHE series
- Increased calculation speed
- Consistency adjustment for self-created motors
- Sample calculations by application in the installation directory