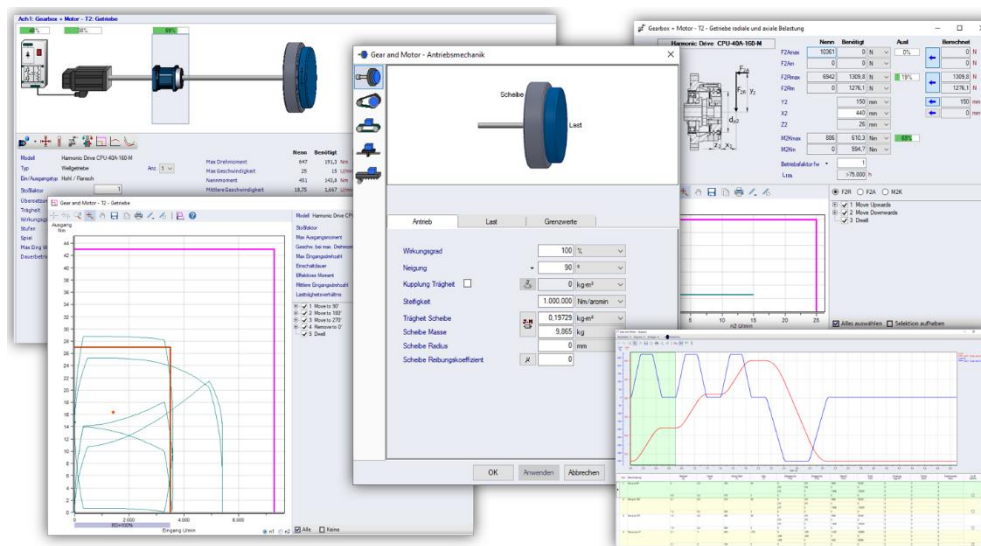## SERVOsoft® – Promotion licence

SERVOsoft supports you in the optimal drive design of your application. With the free promotion licence, the precision drives from Harmonic Drive® can be designed and the calculation results clearly documented.

Drive design made easy

Mechanics

By entering the application values, suitable **gear** units for the respective application can be selected. Besides the input of the mechanism data, the creation of the motion sequences with guidance of the program is possible. A selection of potential Harmonic Drive® Gears is made possible by listing as well as filtering. A motor and controller can be added and sized to the selected gearbox. Thus, the complete drive train is mapped in the simulation. For the selection are backlash-free strain wave gears and precision planetary gears from Harmonic Drive SE available.

Mechatronics

In addition to the gears, **servo actuators** from Harmonic Drive SE can also be selected. After selecting a drive, a controller can be sized. Servo drives with integrated controllers are also available. When an actuator is selected, the loads of the gearbox, the motor as well as the controller are clearly displayed.

Harmonic Drive® licence features

Database products
- Gears: Harmonic Drive SE
- Servo actuators: Harmonic Drive SE
- Motors: selected manufacturers
- Controller: Harmonic Drive SE + selected manufacturers

Axes illustration
- Support for 3 axes

Load mechanisms
- Rotary
- Belt drive
- Conveyor belt
- Spindle
- Rack and pinion drive

Pre and post stages
- Coupling
- Gear
- Belt drive

Load profiles
- Triangular operation / trapezoidal operation
- Jark limiting / S-curving
- Import of load profiles from Excel / CVS with up to 2,000 lines
- Display of gear, bearing and motor loads in diagrams

Licence validity
- The Harmonic Drive® licence is fixed to hardware and is valid until the hardware change without time limit.

After selecting the components, a print-out can be created, which contains all information of the calculation. If you have any questions about the use of the program, please contact Harmonic Drive SE.

Register for a free promotional licence of the SERVOsoft engineering software at the following link: SERVOsoft Request form.

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