



## Application flyer

# Testing of bottles

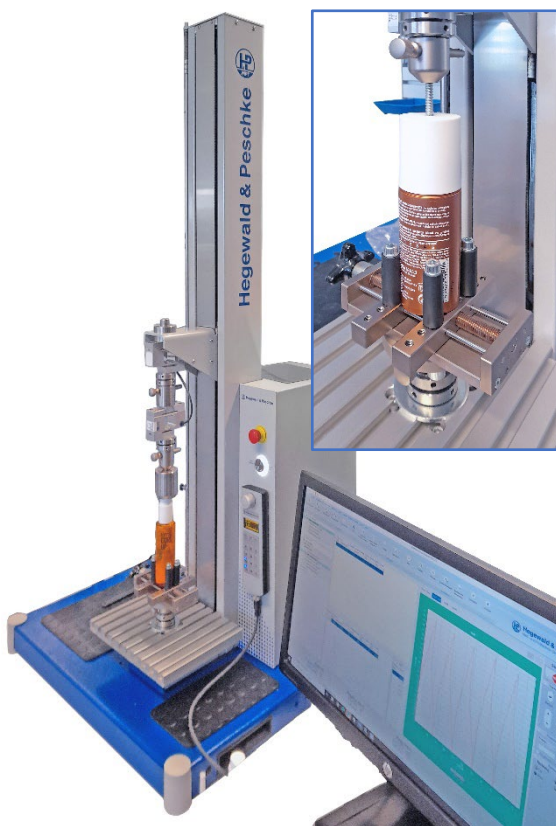




## Tensile, compression and torsion tests on bottles

### Test system:

- Universal testing machine inspekt solo 2.5 kN with T-groove plate
- 3 load cells for optimum use of the possible load range of the testing machine (1 kN, 100 N, 20 N)
- Specimen holder for bottles with 4 rubberized pins



### Possible test procedures:

- Pull-off tests on containers to determine the pull-off/holding force of covers/caps
- Tensile and compression tests on containers to determine maximum forces
- Cyclic tests on hand pumps
- Torque tests on containers and bottles (additional torsion module required)

## Compression test on glass bottles

### Test system:

- Universal testing machine inspekt duo 5 kN
- Compression plates 1 x rigid & 1x flexible
- Moving protective visor directly on the upper compression plate to minimize flying parts in the event of glass breakage
- Collecting tray for splinters



### Possible test procedures:

- Compression load testing of glass bottles (e.g. for cosmetic products, perfume)
  - Loading of the standing bottle to 2500 N, holding time of 5 seconds, unloading
  - Visual inspection afterwards

