

# DYNAMIC SERVOACTUATORS

## VZDS



The series of dynamic servoactuators VZDS represents the top end solution for the most demanding dynamic, high frequency, testing needs. A wide range of loads, strokes and boundary conditions is available to adapt to virtually any testing requirement.

### APPLICATIONS

- Dynamic structural testing
- Fatigue testing
- Shake table testing
- Effective Force Method testing

### KEY FEATURES

- Up to 280 bar working pressure
- Double effect
- Double rod
- Strokes up to 500 mm (larger strokes on demand)
- Loads up to 2 MN (larger loads on demand)
- Hydraulic bearings (depending on the application) to dramatically reduce friction.
  - Hydrostatic bearings
  - Hydrodynamic bearings
- Embedded displacement sensor
- Load cell or differential pressure sensor
- High performance MOOG servovalve
- Close coupled accumulators to improve dynamic behaviour
- Adjustable backlash swivels



VZDS 250 with mounting pedestal



VZDS 10 for shake table application

### PERFORMANCES TABLE

VZDS-10	VZDS-50	VZDS -150	VZDS -250	VZDS -500	VZDS -1000	VZDS -2000
10 [kN]	50 [kN]	150 [kN]	250 [kN]	500 [kN]	1000 [kN]	2000 [kN]

All models include embedded displacement sensor and load cell  
Accelerometers and pressure chamber transducers on demand



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