

High Capacity Resonant Testing Machine RUMUL VIBROFORTE 500 kN and 700 kN



RUSSENBARGER PRÜFMASCHINEN AG

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Advantages:

- bipolar concept of dynamic drive thus low total weight as well as a very high dynamic performance
- simple and solid construction at a very attractive price
- low total height (3060 mm with a vertical test area of 1100 mm) as well as a very ergonomic working height
- big and adjustable test area, ideal system for different specimens and components (rebars, conrods, chains, fasteners etc.)
- two spindle static drive, no restrictions regarding maximum static load of 500 kN resp. 550 kN (calibration up to nominal load possible)
- gripping devices for rebars, conrods, fasteners, chains etc. available thus reliable grips for all high load applications
- latest digital electronics RUMUL **TOPP** (Tests with **O**ptimized **P**ower and **P**recision) assuring highest accuracy and reliability
- **RUMUL Software** running under **LabVIEW** for easy and simple test execution and evaluation of dynamic materials testing

Technical Data:	VIBROFORTE 500	VIBROFORTE 700
Max. load peak value	500 kN	700 kN
Max. static load tension/compression	500 kN	550 kN
Max. dynamic load	500 kN (+/- 250 kN)	500 kN (+/- 250 kN)
Max. dynamic stroke	4 (+/- 2) mm	4 (+/- 2) mm
Weight	ca. 4'400 kg	ca. 4'800 kg
Separate control unit	W 600 x D 600 x H 750 mm	
Area of load frame	1346 mm x 956 mm	
Necessary area around load frame on rear and lateral sides	60 cm	
Necessary area on front = user side	120 cm	
Basic supports on floor by	4 platens of 120 x 120 mm	
Center of supports	860 mm x 690 mm	

*Subject to technical changes!
(March 2011)*

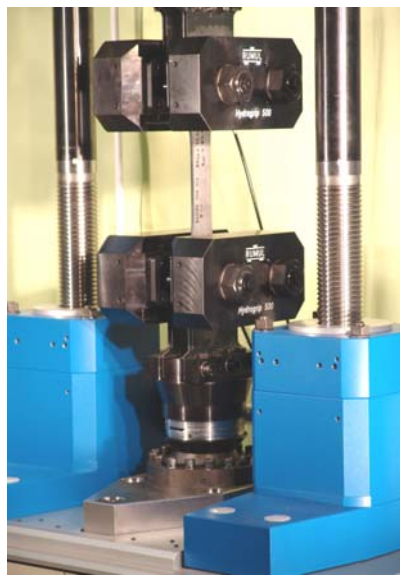
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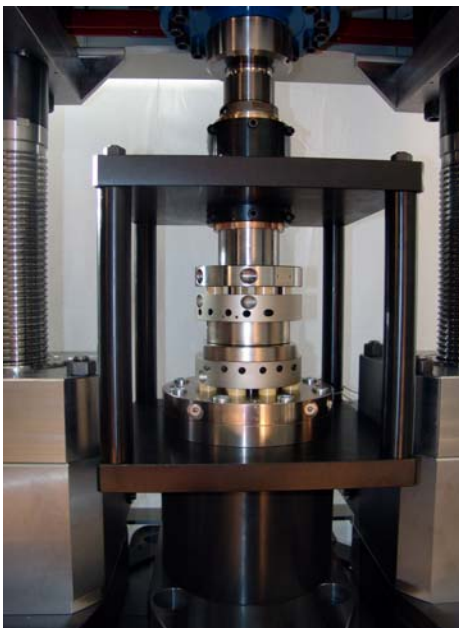
Tests on rebars with hydraulic clamping device
PowerGrip 500 kN



Special device for connecting rods



Tests on flat specimen with hydraulic clamping device HydroGrip 500 kN



Special device for compression tests at elevated temperatures on cylinder head sealings



Chain testing gripping device

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