

**IPU 750**

**RMS**

DYNAMIC TEST SYSTEMS

## TORSION TEST BENCH

The air-bearing, water-cooled direct drive generates high-frequency change with a frequency of up to 100 Hz



# IPU 750



## EXTREMELY ACCURATE, STABLE, DYNAMIC AND INDIVIDUALLY CUSTOM-MADE ON REQUEST

The IPU 750 is an electrically driven torsional test bench for the generation of static and dynamic torsional loads. The test specimen is held by a reaction holder. To adjust the different test part lengths, the reaction holder can be used on sleds. The test bench is controlled from the control computer via a network interface.



### ACCURACY

Rotation Speed Error [%]	3
Torque Accuracy [%]	$\leq 1$
Systematic [°/s] Position Deviation	$\leq \pm 20''$
Repeatability [°/s] Positioning	$\leq 5''$
Positioning Accuracy [°]	0,01
Position Resolution [°]	0,001
Position Uncertainty [°/s]	$\leq \pm 20''$

### TECHNICAL DETAILS

Max. Speed [rpm]	500
Torque, Continuous Operation [Nm]	250
Torque Measuring Range [Nm]	500
Oscillation Frequency [Hz]	<100
Drive- Moment of Inertia [kgm <sup>2</sup> ]	0,1
Operating Modes:	- Static Moment
	- Dynamic Moment
	- Frequency Sweep

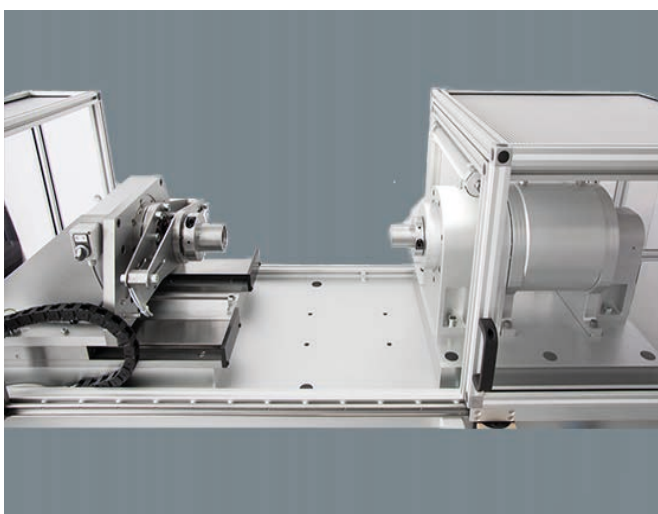


### DIMENSIONS

High [mm]	1700
Wide [mm]	880
Length [mm]	1200
Weight [kg]	800

### TEMPERATURE CHAMBER\*

Temperature Range [°C]	< +150
Temperature Measurement	IR-Camera , [0,1° K Resolution, 2° K Accuracy]
Power [W] *optional	ca. 1000



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