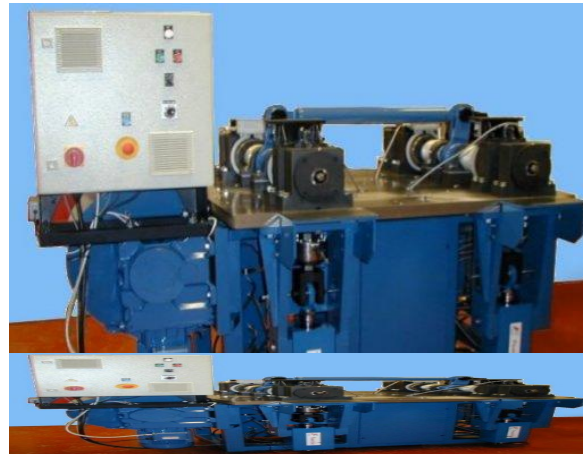


DN 222 FOUR/SIX STATION JOURNAL BEARING WEAR TEST RIG



Description:

The DN 222 test machine is a multi station bearing test rig for either plain or spherical journal bearings. Each test station is independently loaded by means of a servo hydraulic ram providing quasi static (low cycle) independently controlled loading of each bearing. Oscillating rotary motion is provided by a vector motor driven crank mechanism, which applies identical motion to each bearing under test. Displacement is adjusted manually by means of an adjustable crank.

The torque on each bearing test station is independently measured by means of in-line torque transducers and wear is measured by LVDTs. Control is by means of a standard [COMPEND 2000](#) control and data acquisition system.

Technical Specifications:

Oscillating Motion:	+/-30 degrees (continuous manual adjustment)
Oscillating Frequency:	0.5 Hz (maximum)
Motor Power:	5.5 kW
Load per Station:	120 kN

