

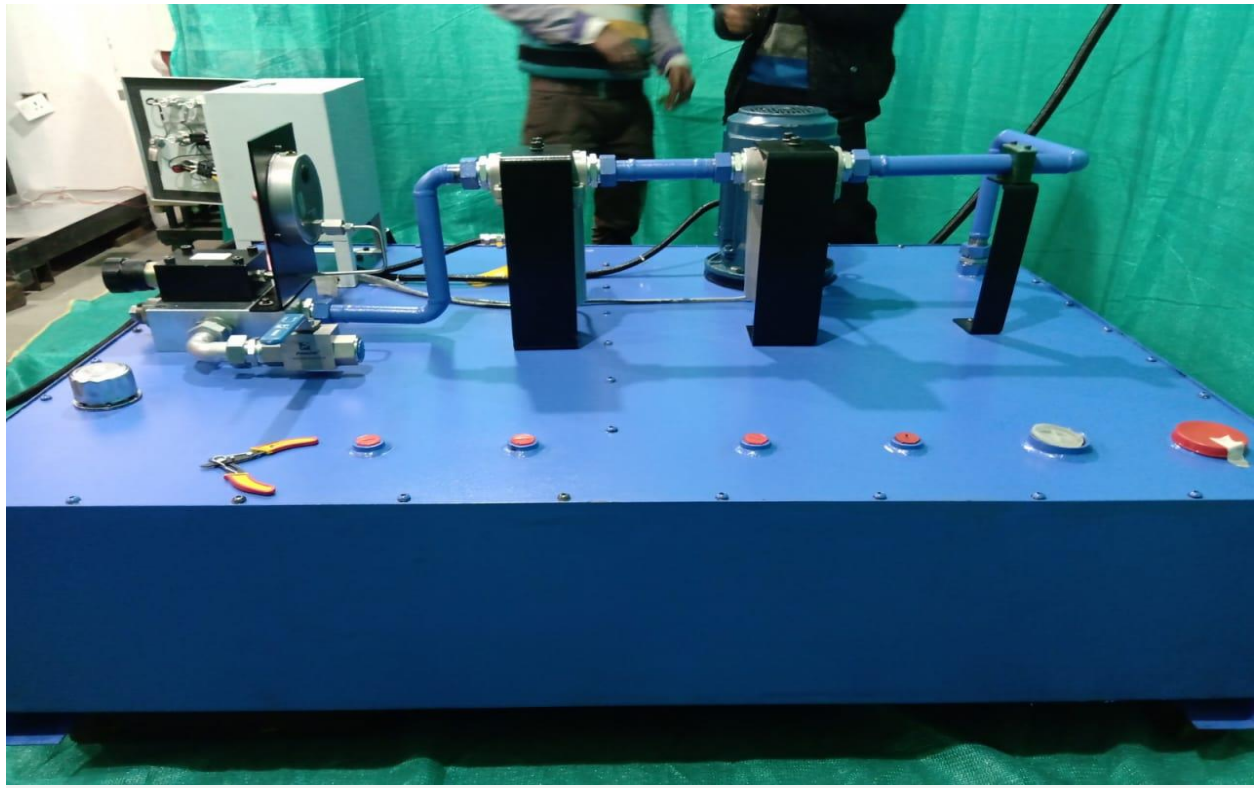
## Introduction

Spin testing is an important step in the ensuring safety and integrity of high speed rotors. Rotating components used in modern, high-speed machinery operate under large centrifugal stresses and can fail with explosive force; so all developers and manufacturers of turbo machinery components need to test rotors for centrifugal strength. Developers need to calibrate and verify the results of stress analysis, and to establish the fatigue life of high-performance rotors; and manufacturers need to prove the strength of high speed disks before shipment and installation. The vertical axis spin test that fills these various needs was originally developed to solve a problem with military aircraft turbochargers during World War II, and has been in wide use ever since. While there are other ways to test for centrifugal strength, the vertical axis, flexible shaft spin test is most commonly used because it is the most versatile and general method available to spin a high speed rotor without requiring a high cost, elaborate bearing system for each rotor.



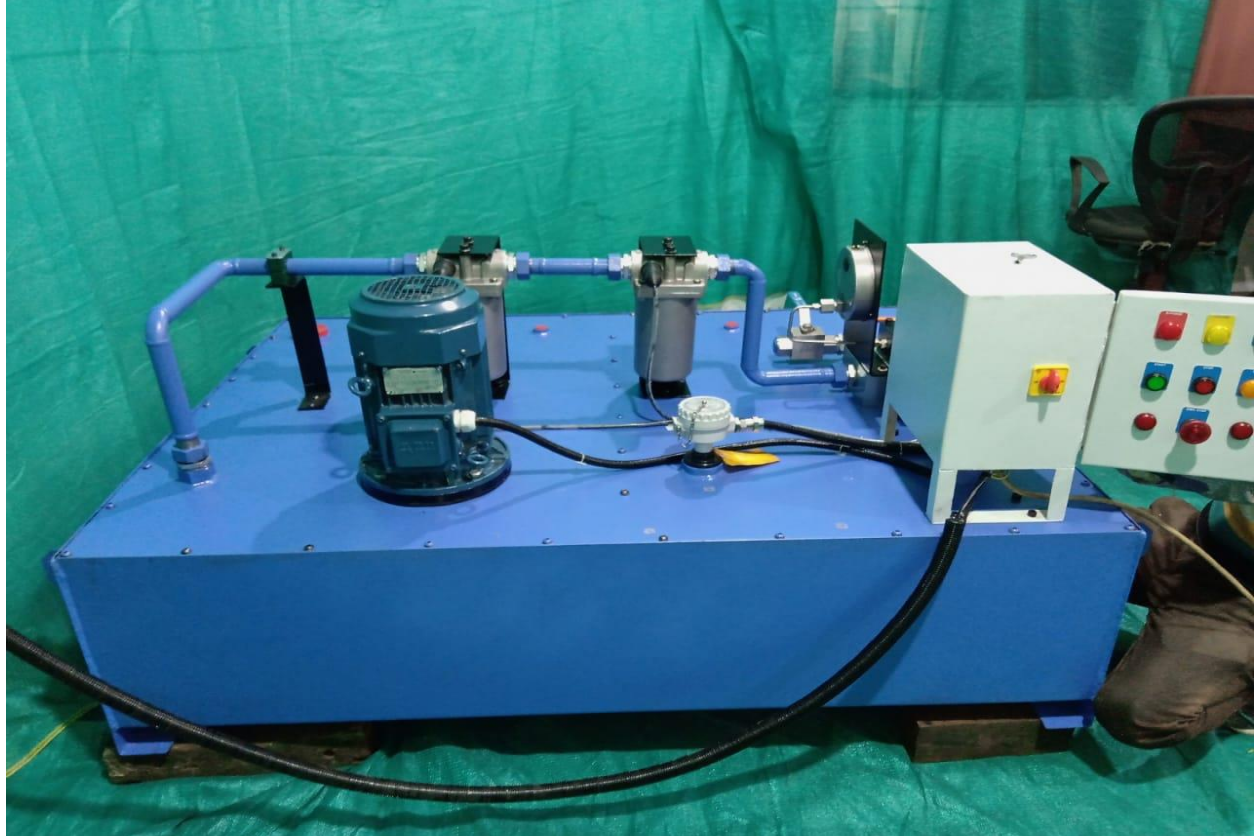
## Specifications

Item		Item Description	Model
Reservoir		650 Liter Oil Capacity, MS Reservoir , Dimension 1600*1200*370 (L *B*H)	FABRICATED
Filler Breather		40 Microns	FSB-25
Level Indicator		One for Main Tank & One for Cooling Tank	LG2-10
Tank Drain Valve		1/2"BSPF, WP-25 BAR	A/R
Level Transmitter with Switching Indicator		Output:4 - 20mA , Height 350mm , Supply 24VDC, Indicator model: Model: 409- 4INCNYNWO, MAKE: MASSIBUS	A/R
Suction Strainer		149 Microns, FLOW 200 LPM	SC3-050
Pump		Dowty Make ; 115 cc Pump; Nominal Delivery @ 165 LPM ; Working Fluid : Servo system 32	Dowty 3p Series



## Application

Spin test that fills these various needs was originally developed to solve a problem with military aircraft.



## Key Features

1. Reservoir
2. Filler Breather
3. Level Indicator
4. Tank Drain Valve
5. Motor
6. Level Transmitter with Switching Indicator
7. Filter
8. Bell Housing & Coupling
9. Pump

