



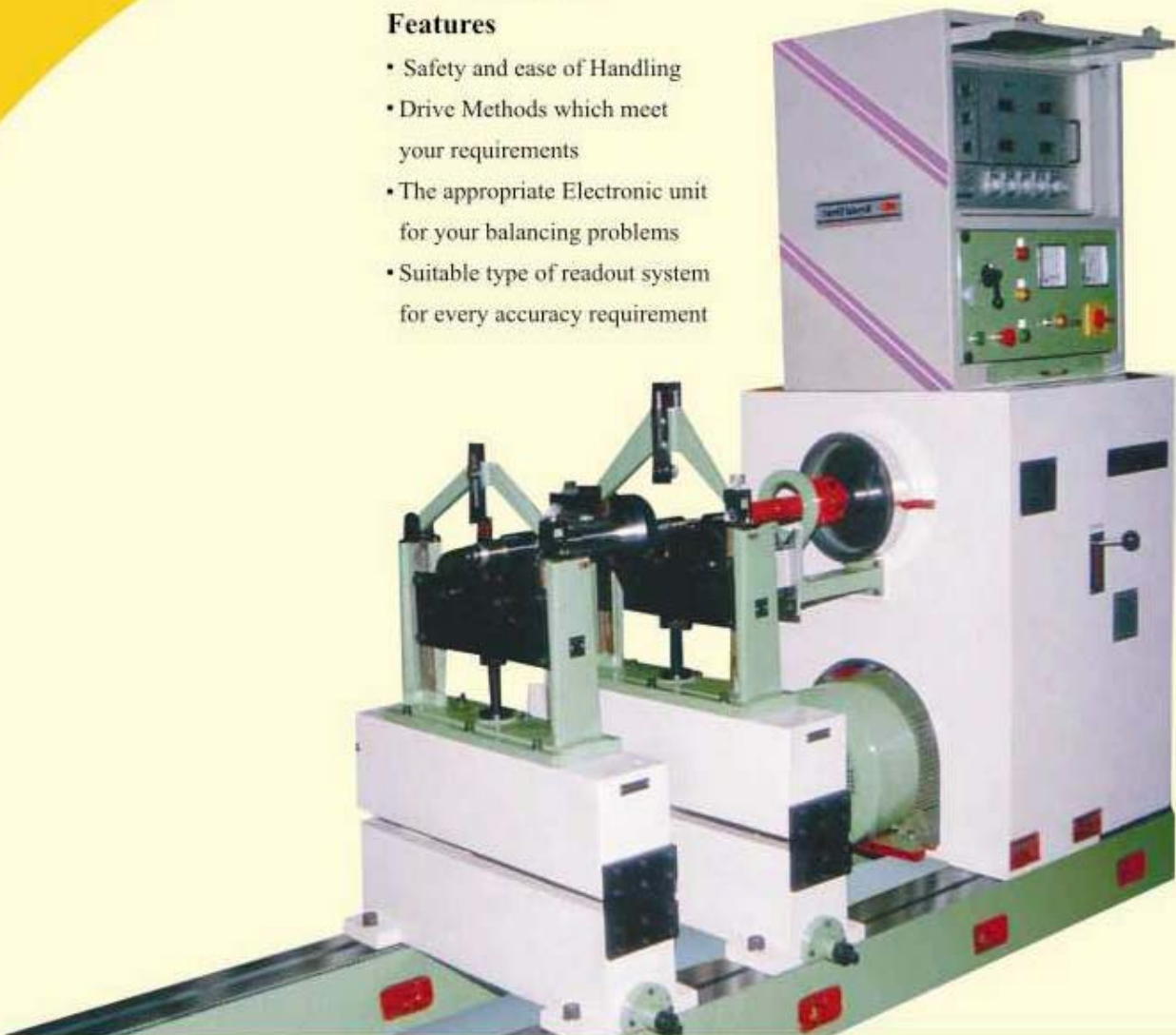
Indo pump *Dynamic*
Division

**Digital Dynamical Balancing Machine, Alignment kit &
Alignment Equipments**

Model - IPHB-IT

Features

- Safety and ease of Handling
- Drive Methods which meet your requirements
- The appropriate Electronic unit for your balancing problems
- Suitable type of readout system for every accuracy requirement



Use of Dynamical Balancing Machine

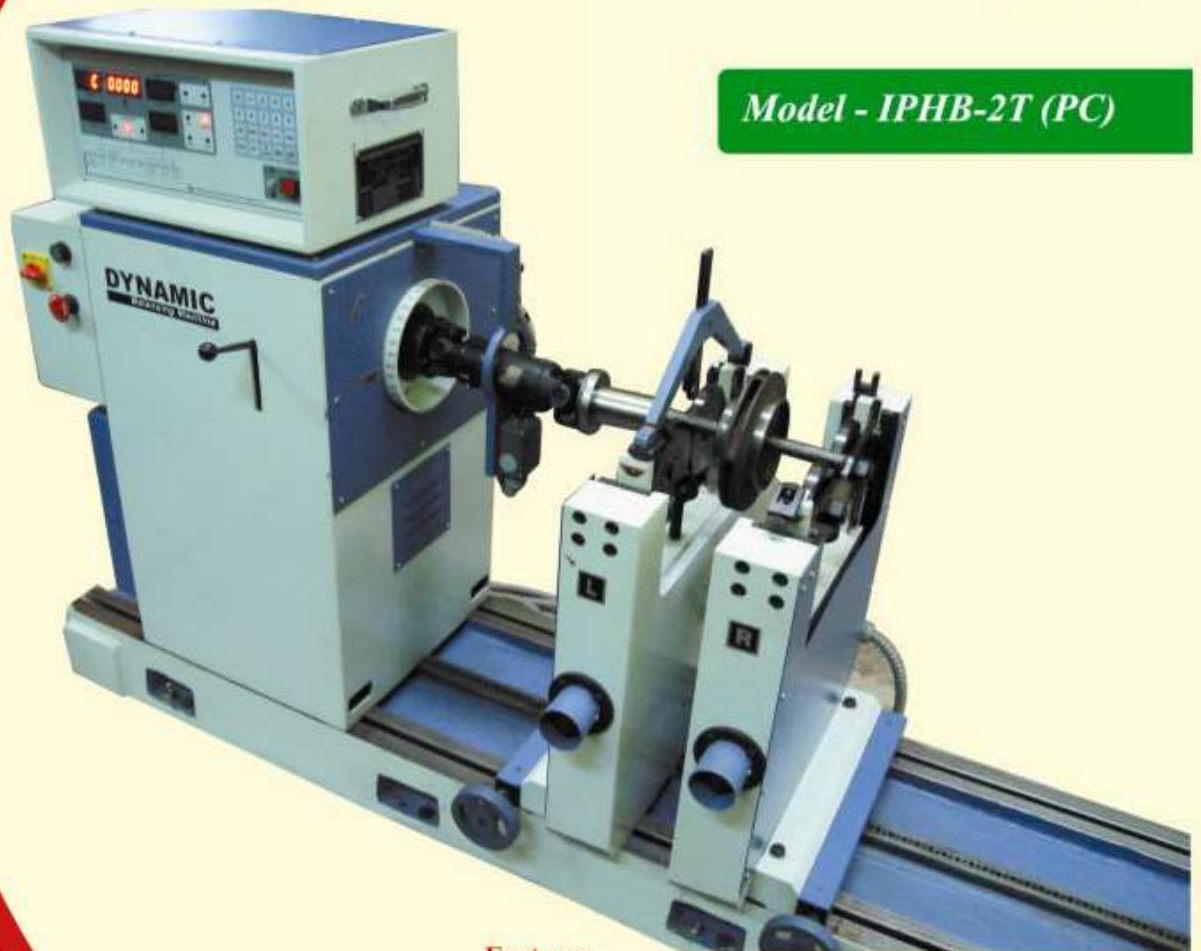
- Avoid bearing failure
- Avoid major break down
- Reduce maintenance cost
- Run your plant trouble free



Indo pump

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Model - IPHB-2T (PC)

Features

- Easy to understand, menu driven "Windows" based software
- Unlimited data storage (Limited by PC Hard Disk capacity)
- Extensive RDBMS type database support
- Detailed test report / Certificate print format
- Built-in balancing tolerance presetting for both balancing planes
- Built-in tolerance calculator as per ISO
- Built-in Auto Ranging and Auto tracking Filter
- Built-in special function to separate couple & static unbalance
- Simultaneous display of results for both balancing planes



An ISO 9001:2008 Co.

General

Indo Pump make end drive Dynamic Balancing Machines of IPHB... Series are manufactured with latest state of the art technology. All Machines of this series are equipped with analog type control panel. These panels are provided with digital readout for unbalance amount and angle.

Construction

Each model is of rigid and durable construction, reflecting the highest quality of workmanship. All electrical controls and measuring system are separately housed in metal cubicle. All operating controls are conveniently arranged for safety and ease of operation.

Variety of options for measuring systems are available to suit variety of rotors

To name a few:

- Direct indication of unbalance amount and angle on digital meters
- Unbalance resolved into 120°, 90°, 60° etc. (Optional)
- Microprocessor based systems
- Any Special requirement to suit various components

Optional Mechanical Attachments

- Vertical and /or Horizontal drilling attachment
- Milling Attachment
- Rivetting
- Under belt drive
- Tangential belt drive
- Any other tooling system as per special requirement

All IPHB Balancing Machines are Calibrated as per ISO 2953-1985/BS 3852-Part-I-1979

Technical Data IPHB - Series

Models	Unite	IPHB-10	IPHB-30	IPHB-50	IPHB-100	IPHB-300	IPHB-650	IPHB-1T	IPHB-2T	IPHB-3T	IPHB-7T	IPHB-10T	IPHB-20T
Weight of the job	Kg.	0.5-10	1-30	2-50	3-10	10-300	6.5-650	10-1000	20-2000	30-3000	70-7000	100-10000	200-20000
Max. diameter of job	mm.	500	500	500	1000	1000	1200	1600	1800	2000	2400	2400	3000
Maximum distance measured from coupling end to extreme bearing center	mm.	500	500	1200	1400	1400	1400	1650	1650	2400	3300	3300	5000
Minimum distance between bearings	mm.	50	75	75	90	110	200	350	350	500	560	560	660
Journal diameter	mm.	5-50	5-50	5-50	15-80	20-120	20-120	25-140	30-160	35-200	55-300	55-300	70-350
Balancing speed of Machine	RPM	1200	700	700	600	500	350-700	300-600	250-500	250-500	200,400	200,400	180-360
Drive motor	HP	0.33	0.75	0.75	1.5	3	5	7.5	10	20	30	40	60
Acceleration Capability (Gd ³ N ²)	Kgm ³ n ²	0.29x10 ⁶	0.37x10 ⁶	0.37x10 ⁶	0.88x10 ⁶	3.9x10 ⁶	8.5x10 ⁶	14.12x10 ⁶	44x10 ⁶	88x10 ⁶	168x10 ⁶	216x10 ⁶	400x10 ⁶
Minimum unbalance mass read	gm.	0.01	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.4	1	1	2
Maximum unbalance mass measured.	gm.mm	10 ⁴	3x10 ⁴	5x10 ⁴	10 ⁵	3x10 ⁵	6.5x10 ⁵	10 ⁶	2x10 ⁶	3x10 ⁶	7.0x10 ⁶	10 ⁷	2x10 ⁷
Minimum unbalance measured.	gm.mm	0.5	1.25	2.5	5	15	5	10	10	20	60	60	160
Minimum achievable unbalance (For Maximum weight of rotor)	microns or gm.mm. kg.	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Note

All pedestals are designed to take 15% occasional overload.

For job with Considerable windage effect, lower speeds in the ratio of 1:2 can be offered at extra price

All the above machines operate on mains supply of 440, 3Ø, 50 cycles.

The dimensions given above are approximate

All models are supplied with Movable Driving Stand

Due to constant R&D, specifications and features are subject to change without notice.



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A perfect solution
on alignment problems

Coupling Alignment Kit



Specifications

This kit covers to carry out alignment of

- Shaft diameter from 25mm to 250mm.
- Distance between shafts ends (DBSE) upto 250mm by using single set (i.e. 2 Nos.) of dial gauge.
- For longer DBSE by using two set of dial gauges.

Alignment Procedure

We are providing procedure for alignment by using **Coupling Alignment Kit**. This procedure is given along with Kit Box.

- In view of our constant efforts to improve our product for customers requirements we reserve the right to change specification without prior notice.

Readymade fixture for standard shaft and impeller for Digital Dynamic Balancing

We manufacture all types of Mandrill For standard pumps and equipments, shaft for digital Dynamic Balancing

Features

- Compact in Size
- Light in weight & Efficient
- Easy to handle
- Suitable for shaft upto 250mm
- Suitable for any spacer length



Indo pump

Digital Dynamical Balancing Machine, Alignment kit & Alignment Equipments

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