



GENESS ENGINEERS

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Dynamic Balancing Machines with Microprocessor Based Measuring Panel Hard Bearing Models: HDCM

Machines Model HDCM are belt driven horizontal type photo scanning Universal Hard Bearing Balancing Machine, provided with microprocessor based measuring panel HDCM-8500 suitable for balancing different shapes of rotors, of electrical machines, Cylinders, fly wheel, rotor of centrifugal pumps and other type of rotating machines.

These machines are very simple in design, No drive coupling/adaptor etc. required to connect to the rotor to be balanced. It has following advantages -

1. Cost saving on manufacturing of precision adaptor to connect drive coupling to rotor.
2. Any rotor can be balanced without losing time in manufacturing of adaptor.
3. The balancing accuracy of rotor not disturbed due to unbalance in drive coupling/adaptor.
4. Belt drive machine are more accurate (about 5 times) as compared to end drive machine.

The machines feature a very simple operation. The working cycle is fully automatic. From safety point of view a double press push button starts machine, measures and stores the unbalance values on DPMs for two plane simultaneously and stops machine.

Key board facility provided in measuring panel for correct data feeding of rotor with 1 digit accuracy for its dimensions like A, B, C, R1 & R2. Tolerance limits of both correction planes i.e. +11 & +12 can be feed so that when rotor is balanced within the limits respective LEDs glow up, indicating no further correction necessary.

For other details please refer "features of measuring panel HDCM-8500".



Machine provided with Optional Vertical Drilling Attachment.



HDCM 8500 Panel





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STANDARD FEATURES:

- 1) Digital display for unbalance indication
2) Digital display for RPM indication
3) Auto Stop
4) Simultaneous Indication
5) Key-board
6) Tolerance Indicators
7) Auto-range
8) Data Store
9) Self Check
10) Additional Features on demand
11) Printer:
12) Compensation Indication:
13) Unbalance Correction:

SPECIFICATIONS :

Table with 8 columns: MODELS, UNIT, HDCM-10, HDCM-30, HDCM-50, HDCM-100, HDCM-300, HDCM-1000. Rows include Weight of Rotors, Max. wt. of each pedestal, Max. diameter of rotor, etc.

- The balancing speed depends upon selection of the rotor diameter, where drive is to be given and the motor pulley diameter. All the machines above operate on mains supply of 400 to 440 V, 3Ø, 50 cycles.
Due to constant R&D, specifications and features are subject to change without notice. The dimensions given above are approximate.