

Belt Driven Balancing Machines

Belt driven machines are used for balancing of rotors where high accuracy is desired and parasitic errors and influences due to the drive cannot be tolerated. The need for making adaptors is also eliminated. Belt driven machines are mostly applied for Printing rolls, Cylindrical rotors, Armatures, Motor rotors, Blowers, etc. Such machines also reduce loading and unloading time as the rotors do not have to be coupled with the universal shaft. The balancing speed achieved is a function of the ratio between the rotor diameter under the belt and the driving pulley diameter in this friction based transmission .



50 Kg Machine for Submersible Pump rotors



100 Kg Machine for Blowers



5 Kg Machine for Armature



100 Kg Machine for Fans



Belt Drive Arrangement



20 Kg Machine for AC Split Blowers

Technical Data on Belt Drive Machines

Machine Model	HB 5	HB 10	HB 20	HB 50	HB 100	HB 300	HB 650	HB 1K	HB 3K	HB 5K
Weight Capacity KG	5	10	20	50	100	300	650	1000	3000	5000
Max Dia of Rotor	180	250	500	700	900	1150	1350	1500	2100	2500
Std. Bed Length - S	300	500	500	800	1100	1500	1500	1500	2000	2500
Std. Bed Length - M	500	1000	800	1000	1200	1500	2000	2000	2500	3000
Std. Bed Length - L		1500	1500	2000	2000	2500	2500	2500	3500	4500
Journal dia Range (mm)	3~20	5~25	8~50	10~80	12~80	15~120	15~120	15~120	25~180	25~180