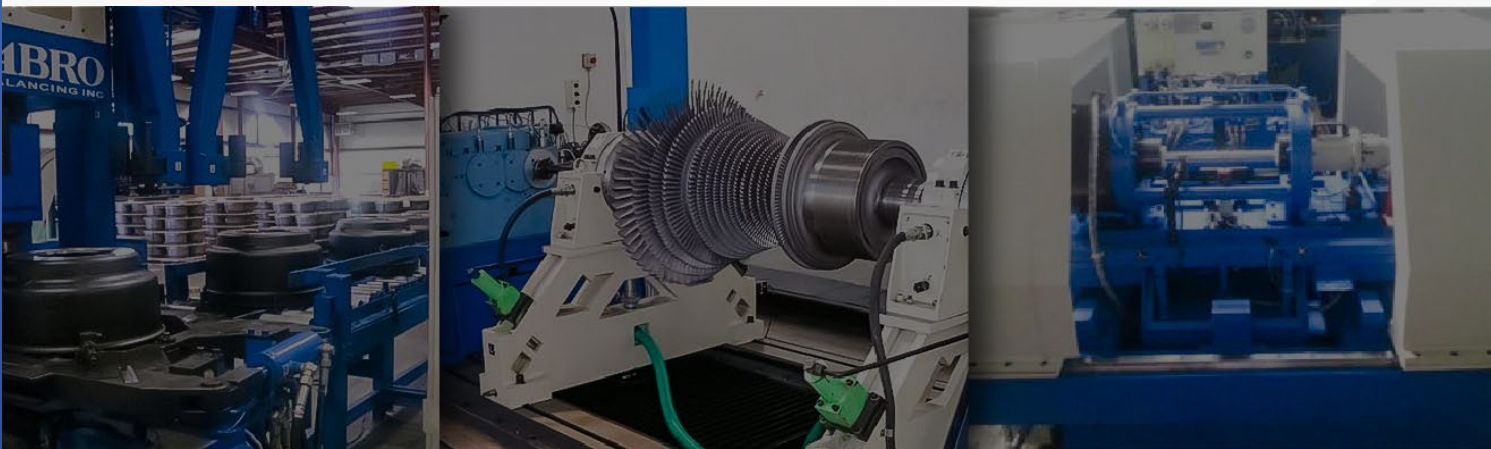




About Orbital Automation Ltd

We supply balancing machines manufactured by ABRO Balancing (UK) Ltd – World leader in the field of Dynamic Balancing Technology since 1972. Our proven machine designs have been manufactured by the following corporations worldwide. Orbital Automation Ltd is the leading supplier of Balancing Machines in the UK. Orbital Automation Ltd is an Orbital Group company which has 35 years of extensive experience in supplying special purpose machines. At Orbital Automation Ltd, we aim to provide clients with the most up-to-date technological solutions to meet the customer's individual needs. When support is needed, our engineers are on hand 24/7 to remotely join the machine to resolve issues. When a site visit is required, our global network of support engineers are available for quick dispatch.



Balancing Machines

World class manufacturers and suppliers of Balancing Machines
Delivering Superior Dynamic Balancing Solutions to Automotive, Aerospace, Petrochemical Industries, Power Generation, and more Worldwide.



www.orbitalautomation.uk



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sales@orbitalautomation.uk

Specifications

	Unit	Model					
		OBM2	OBM4	OBM10	OBM30	OBM64	OBM100
Maximum weight on rollers for symmetrical rotors	kg	30	60	150	450	1000	1500
Maximum weight in sleeve bearing (symmetrical rotors)	kg	N/A	N/A	N/A	N/A	1200	1800
Maximum Diameter of rotor over bed (Normal)	mm	400	650	850	1100	1600	1600
Maximum Diameter of rotor over bed (extended dia facility)	mm	N/A	N/A	N/A	N/A	N/A	N/A
Journal Diameter range: (With standard carriages)	mm	4-40	6-65	9-75	12-100	16-125	16-125
Journal Diameter range: (With standard carriages upto maximum sensitivity per plane)	mm g.mm	80	110	145	205	250	250
				Machines with end drive type 'E'			
Maximum job length with 'A' size bed (from headstock faceplate to remote bearing)	mm	N/A	675	925	1300	1600	2000
bed extension in steps of	mm	N/A	300	300	300	300	600
Minimum distance between pedestals	mm	N/A	20	25	25	30	35
Typical drive power	k.w	N/A	0.75	1.5	2.2	3.7	5.5
Typical balancing speed options: - gear transmission	Rpm	N/A	N/A	N/A	N/A	N/A	250/450/830
-Pulley transmission	Rpm	N/A	400/660/1100			300/600/900	
-Pulley transmission with 2 speed motor (1.7/2.3hp)	Rpm	N/A	N/A	300/450/600/900		N/A	N/A
				Machines with end drive type 'B'			
Maximum distance between support bearing centres	mm	400	900	1200	1550	1800	2000
Bed extension in steps og	mm	500	300	300	300	600	300

Specifications

	Unit	Model					
		OBM2	OBM4	OBM10	OBM30	OBM64	OBM100
Minimum distance between support bearing centres:	mm	15	20	25	25	30	35
	mm	30	75	85	95	115	120
a.With belt outside pedestals							
b.With belt inside pedestals							
Typical drive power	k.w	0.37	1.1	1.0/1.7	1.0/1.7	3.7	3.7
Range of rotor diameter driven by belt	mm	10-150	20-250	20-300 30/450		30-550	
Standard Balancing speed range of electronics	rpm		400-6000				
				Machines with end drive type 'S'			
Recommended max weight of rotor for type 'S' belt drive	kg	N/A	N/A	N/A	N/A	200	300
		N/A	N/A	N/A	N/A		
Journal diameter range with precision roller system	mm	N/A	N/A	N/A	N/A	N/A	N/A
Maximum distance between support bearing centres:	mm	N/A	N/A	N/A	N/A	30	35
	mm					85	90
a.With belt outside pedestals							
b.With belt inside pedestals							
Typical drive power	k.w	N/A	N/A	N/A	N/A	1.5	2.2
Range of rotor diameter driven by belt	mm	N/A	N/A	N/A	N/A	20-400	
Standard Balancing speed range of electronics	rpm	N/A	N/A	N/A	N/A	200-5000	
electronics							



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