



New Balancing Machine Application Requirements Form



Customer Information

Date:	
Company Name:	
Company Address (line 1):	
Company Address (line 2):	
Company Address (line 3):	
City:	
State:	
Postal Code:	
Country:	
Telephone Number:	
FAX Number:	
Contact Person:	
Title:	
E-Mail address:	

Please fill out all the pages of this requirements form and either save or scan it and e-mail it to us at sales@IRDBalancing.com or fax it to us at 1.502.238.1001.

Sales Offices for IRD Balancing

USA Headquarters (Kentucky): Telephone: 1.502.366.0916

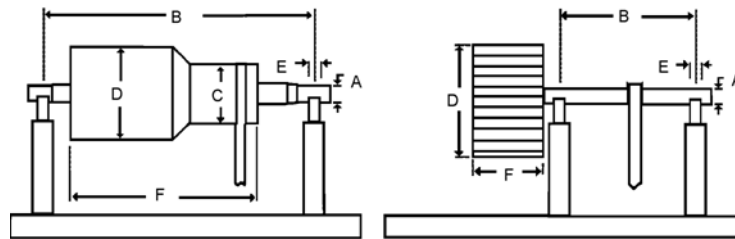
Fax: 1.502.238.1001

1. Introduction

The purpose of this survey is to allow our Engineers to understand your present and future applications and provide an equipment recommendation to meet your balancing needs.

There is no cost or obligation for this service and all information will be kept strictly confidential.

2. Rotor Details (If necessary reproduce this page and enter data for more rotors)



Between Bearings

Overhung Rotor

1	List All Types of Rotors to Balance	<input type="checkbox"/> fan	<input type="checkbox"/> armature	<input type="checkbox"/> gas/steam turbine	<input type="checkbox"/> roll	<input type="checkbox"/> impeller	<input type="checkbox"/> spindle	<input type="checkbox"/> disk	<input type="checkbox"/> crankshaft	<input type="checkbox"/> flywheel	<input type="checkbox"/> Other ()
2	Rotor Mass Symmetry	<input type="checkbox"/> Between Bearings	<input type="checkbox"/> Overhung	<input type="checkbox"/> Both							
3	If Overhung Rotor, estimated max. upward force	<input type="checkbox"/> Don't know	kg	lb							
4	Do Rotors have their own shaft with journals?	Yes	No	Both							
5	Maximum Rotor Weight		kg	lb							
6	Minimum Rotor Weight		kg	lb							
7	(D) Maximum Swing Diameter of Rotors		mm	in							
8	Maximum Rotor Length		mm	in							
9	Minimum Rotor Length		mm	in							
10	(B) Maximum Distance between Journals		mm	in							
11	(B) Minimum Distance between Journals		mm	in							
12	Rotor Support Method	<input type="checkbox"/> Own Bearings	<input type="checkbox"/> Journal Surface								
13	(A) Maximum Journal Diameter		mm	in							
14	(A) Minimum Journal Diameter		mm	in							
15	(E) Minimum Journal Width		mm	in							
17	Maximum Moment of Inertia	<input type="checkbox"/> Don't know	kgm ²	lb ft ²							
18	Operating Speed Range of Rotors		RPM								
19	Max. Power Absorbed at Operating Speed	<input type="checkbox"/> Don't know	kW	hp							
20	Roll Data: Maximum Balancing Speed for Rolls		m/min	ft/min							
21	Roll Data: High Internal Resistance? (Suction)	<input type="checkbox"/> Yes	<input type="checkbox"/> No								

3. Balance Details

1	Number of Balance Planes	<input type="checkbox"/> One Plane	<input type="checkbox"/> Two Plane	<input type="checkbox"/> Both
2	Balance Tolerance Level– Amount/Grade Value and Units Required	<input type="checkbox"/> ISO Grade	<input type="checkbox"/> API	<input type="checkbox"/> g-mm <input type="checkbox"/> oz in
3	Maximum Initial Unbalance	<input type="checkbox"/> Don't know	<input type="checkbox"/> g-mm	<input type="checkbox"/> oz-in
4	Number of Rotors to Balance in 8 hours			

4. System Details

3	Available Electrical Mains Supply	ACVolts	Phase	Hz
4	Rotor Drive Type	<input type="checkbox"/> Belt	<input type="checkbox"/> End Drive	
5	Desired Drive Power Requirements	<input type="checkbox"/> Don't know	<input type="checkbox"/> kW	<input type="checkbox"/> hp
6	Balance Speed Control	<input type="checkbox"/> Variable Speed		
7	Instrument Type	<input type="checkbox"/> Portable	<input type="checkbox"/> Digital	<input type="checkbox"/> Computer
8	Printed Balance Certificates Required	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't know
10	Safety Device (see note below)	<input type="checkbox"/> None	<input type="checkbox"/> Perimeter Fence	

Safety Device Note:

Safety guards, enclosures or perimeter fences are required to meet relevant safety regulations. It is the buyer's responsibility to insure that the Balancing Machine has an adequate safety protection system before operating the machine.

5. Additional Information

Attach drawings, sketches, or pictures of rotors to be balanced, if available.	
If rotor is to be balanced in its own bearings, please attach details of bearings (Type, OD, Width, self aligning, etc.)	
Other information that may be helpful in determining the appropriate balancing system.	
Other additional System Requirements not listed above.	