Application Requirements Form for New Balancing Machine

Customer Information:

Date:	_____	Company Name:	_____
Contact Person:	_____	Company Address:	_____
Title:	_____		_____
Email:	_____	City:	_____
Phone Number:	_____	State:	_____
Fax Number:	_____	Postal Code:	_____
		Country:	_____

1. Introduction

The purpose of this survey is to allow our engineers to better 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.

Please fill out all pages of this requirements form and either save or scan it, then email it back to us at sales@IRDproducts.com. You may also fax it to us at 1-502-238-1001.

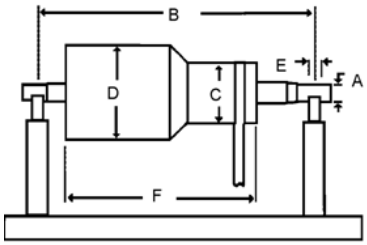
IRD® Balancing
LEXSECO™

Part Number E51249 Rev4 (Revised 12 March 2019)

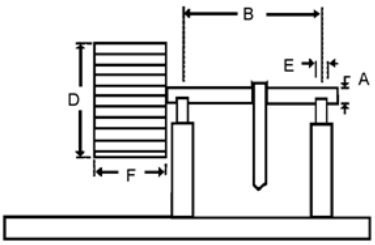
IRD® LLC
4740 Allmond Ave.
Louisville, KY 40209 USA
+1 502 366 0916 (p)
+1 502 238 1001 (f)
IRDProducts.com

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

1	List All Types of Rotors to Balance	☐ fan ☐ armature ☐ gas/steam turbine ☐ roll ☐ impeller ☐ spindle ☐ disk ☐ crankshaft ☐ flywheel ☐ flywheel ☐ other
2	Rotor Mass Symmetry	☐ Between Bearings ☐ Overhung ☐ Both
3	If Overhung Rotor, estimated max. upward force	☐ I'm not sure ☐ 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	☐ Own Bearings ☐ Journal Surface
13	(A) Maximum Journal Diameter	☐ mm ☐ in
14	(A) Minimum Journal Diameter	☐ mm ☐ in
15	(E) Minimum Journal Width	☐ mm ☐ in
16	Maximum Moment of Inertia	☐ I'm not sure ☐ kgm^2 ☐ $lb\ ft^2$
17	Operating Speed Range of Rotors	RPM
18	Max. Power Absorbed at Operating Speed	☐ I'm not sure ☐ kW ☐ hp
19	Roll Data: Maximum Balancing Speed for Rolls	☐ m/min ☐ ft/min
20	Roll Data: High Internal Resistance? (Suction)	☐ Yes ☐ No



Between Bearings



Overhung Rotor

IRD® Balancing
LEXSECO™

IRD® LLC
4740 Allmond Ave.
Louisville, KY 40209 USA
+1 502 366 0916 (p)
+1 502 238 1001 (f)
IRDProducts.com

Part Number E51249 Rev4 (Revised 12 March 2019)

3. Balance Details

1	Number of Balance Planes	☐ One Plane	☐ Two Plane	☐ Both
2	Balance Tolerance Level – Amount/Grade Value and Units Required		☐ ISO Grade ☐ g-mm	☐ API ☐ oz-in
3	Maximum Initial Unbalance	☐ I'm not sure		☐ g-in ☐ g-mm ☐ oz-in
4	Number of Rotors to Balance in 8 hours			

4. System Details

5	Available Electrical Mains Supply	AC Volts	Phase	Hz
6	Rotor Drive Type	☐ Belt	☐ End Drive	
7	Desired Drive Power Requirements	☐ I'm not sure		☐ kW ☐ hp
8	Balance Speed Control	☐ Variable Speed		
9	Instrument Type	☐ Portable	☐ Digital	☐ Computer
10	Printed Balance Certificates Required	☐ Yes	☐ No	☐ I'm not sure
11	Safety Device (see note below)	☐ None	☐ 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.	

IRD® Balancing

LEXSECO™

Part Number E51249 Rev4 (Revised 12 March 2019)

IRD® LLC
4740 Allmond Ave.
Louisville, KY 40209 USA
+1 502 366 0916 (p)
+1 502 238 1001 (f)
IRDProducts.com