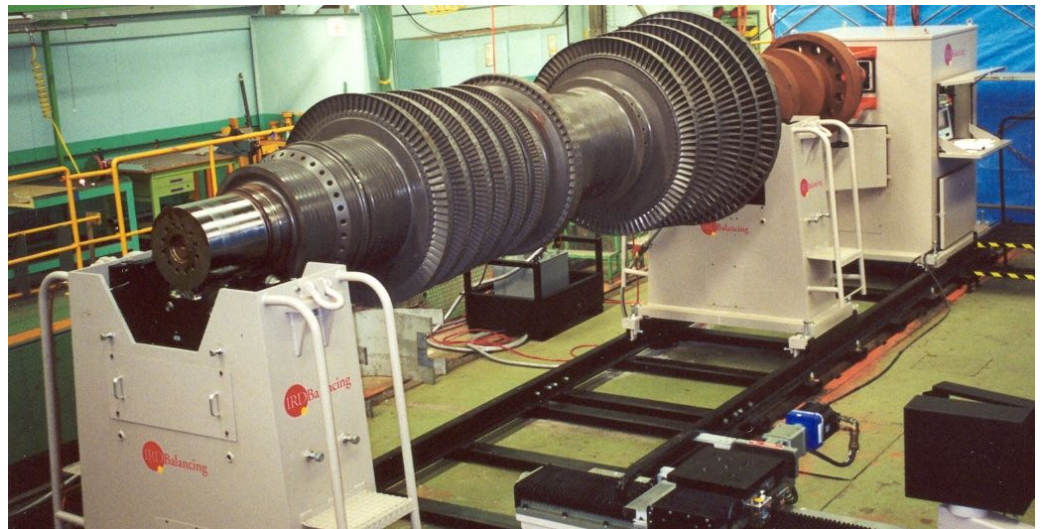
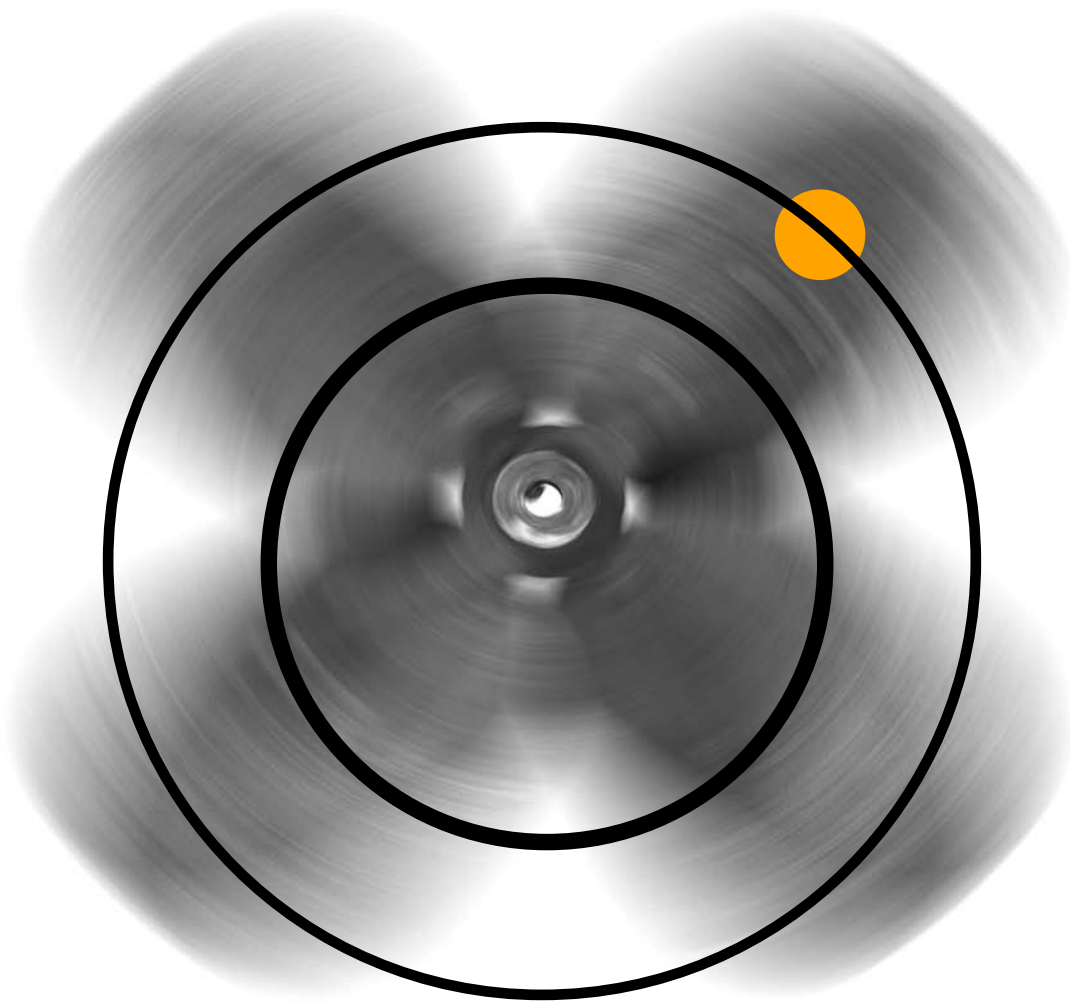




World's Leading Supplier of Soft-Bearing
Balancing Machines & Instruments



Balancing Machines Selected Examples



B

B01/S Tabletop

B

B50

B

B500

B

B140-280K

**B50 Machine and
B140-500K Pedestals**

B01/S tabletop balancing machine with integrated instrument for balancing very small rotors.

B50 medium capacity soft-bearing balancing machine with belt drive and 290 balancing instrument balancing a motor armature.

B500 large capacity soft-bearing balancing machine with end drive and 290 balancing instrument balancing a gas turbine rotor.

Large capacity, transportable B140-280K soft-bearing balancing machine with end drive and 290 balancing instrument balancing a steam turbine rotor.

A complete B50 balancing machine (2300kg / 5000lb capacity) is shown in front of two B140-500K Balancing Machine pedestals (227000kg / 500000 lb capacity).

Balancing Instruments Complete Offering



Model

290

**Soft-Bearing
Color Touchscreen**

Menu-driven touchscreen for quick data entry

Automatic solution of single- & dual-plane problems

Document results with balance certificate using optional printer

Comparison to established tolerances

Polar or digital displays provide graphic representation of balance vectors

Also available in one-run or hard-bearing versions



Model

246

**Soft-Bearing
Portable**

Ideal for use on a balancing machine & for in-situ field balancing

Automatic solution of single- & dual-plane problems

Balance corrections instantly computed & shown in weight units

Built-in printer (interface to external printer included)

Shaft-synchronous digital tracking filters for high precision balancing



Model

236

**Soft or Hard-Bearing
Digital Readout**

Cost-effective, high performance instrument

Automatic solution of single- & dual-plane problems

Balance corrections instantly computed & shown in weight units

Shaft-synchronous digital tracking filters for high precision balancing

Ideal for soft-bearing or hard-bearing machines



Model

258

Portable Balance/Analyzer

A portable, battery operated, two channel, palm-sized Balancing Instrument with Vibration Analysis capability. It is intended to be used for In-situ analysis and balancing of rotating equipment.

Balancing Machine Selection Chart

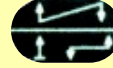
B Series Machines
Choose from 290, 236 or 246 instruments.

	Capacity		Drive	Description	Maximum Rotor Diameter		Maximum Journal Diameter	
	lb	kg			inches	mm	inches	mm
B01	7	3	Belt	Tabletop	10	250	1.2	30
B01/S	7	3	Belt	Tabletop with Instrument	10	250	1.2	30
B02	15	7	Belt	Tabletop	16.3	415	2.4	60
B02/S	15	7	Belt	Tabletop with Instrument	16.3	415	2.4	60
B5	500	230	Belt	General Purpose	36	914	8	203
B10	1 000	450	Belt	General Purpose	40	1 016	8	203
B20	2 000	900	Belt	General Purpose	45	1 144	13	330
B50	5 000	2 300	Belt	General Purpose	94	2 388	13	330
B100	10 000	4 500	Belt	General Purpose	115	2 921	15	381
B150	15 000	7 000	Belt	General Purpose	115	2 921	15	381
B200	25 000	11 000	Belt	General Purpose	124	3 150	24	610
B500 & RR	50 000	23 000	End	Large Capacity	128	3 250	20	508
B750 & RR	75 000	34 000	End	Large Capacity	128	3 250	20	508
B140-110K	110 000	50 000	End	Large Capacity, Transportable	154	3 900	32	813
B140-200K	200 000	90 000	End	Large Capacity, Transportable	154	3 900	32	813
B140-280K	280 000	127 000	End	Large Capacity, Transportable	212	5 400	32	813
B140-500K	500 000	227 000	End	Large Capacity, Transportable	212	5 400	32	813
B200R	25 000	11 000	Belt	Roll Balancing	100	2 500	–	–
B500R	50 000	23 000	Belt	Roll Balancing	112	2 850	–	–
B800R	80 000	36 000	Belt	Roll Balancing	112	2 850	–	–
B1500R	150 000	68 000	Belt	Roll Balancing	124	3 150	–	–
B5F	500	230	–	Field Fabricated by user	–	–	8	203
B10F	1 000	450	–	Field Fabricated by user	–	–	8	203
B50F	5 000	2 300	–	Field Fabricated by user	–	–	13	330
B150F	15 000	7 000	–	Field Fabricated by user	–	–	15	381
B200F	25 000	11 000	–	Field Fabricated by user	–	–	24	610
B5U	500	230	–	Machine upgrade by user	–	–	8	203
B10U	1 000	450	–	Machine upgrade by user	–	–	8	203
B50U	5 000	2 300	–	Machine upgrade by user	–	–	13	330
B150U	15 000	7 000	–	Machine upgrade by user	–	–	15	381
B200U	25 000	11 000	–	Machine upgrade by user	–	–	24	610

IRD Soft-Bearing Balancing Machines

Features of IRD Soft-Bearing Machines

- High balance sensitivity as small as 0.015 g mm (0.00002 oz in)
- Balance at lower and safer speeds
- Instrumentation capability of both first run readout and trial weight calibration
- Instrumentation can read vibration displacement in addition to unbalance
- Transportable, modular design
- Broad rotor weight range in each machine
- Encoders are fitted on all machines to provide an angle display for adding correction weights
- Regenerative braking comes standard on all IRD Balancing Machines



No special, expensive concrete foundation is required for any IRD soft-bearing balancing machine.

Do-It-Yourself Field Fabrication

We'll provide you with a kit containing critical components such as suspensions and roller work support assemblies. We'll also provide a complete set of engineering drawings for you to do most of the heavy metal fabrication (like machine bases, frames and pedestals) yourself. You will have to supply the drive system which consists of a motor, variable speed drive controller and motor controls.

Update & Upgrade Existing Equipment

Update equipment from any manufacturer by selectively adding new IRD balancing instrumentation, suspension and roller work support assemblies to your existing machine bases, pedestals and drive systems. You'll get the leading-edge performance of a brand new balancing system at a fraction of the cost.

Friendly Service & Support

Taking care of our customers, no matter what it takes, is our number one priority. This is how we've built and kept our hard-earned reputation as the friendliest company in the business. On-site start-up, training, service and support are available for all balancing machines and instruments.

Balancing Training School

We know more about balancing technologies and applications than any other supplier in the industry. In fact, we've trained thousands of people in balancing theory, techniques and procedures over the past 50 years. And, we're willing to share what we know with you. We offer an extensive curriculum of public and in-house training courses and workshops for both engineers and operators.

Find the right balance. IRD Balancing.

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