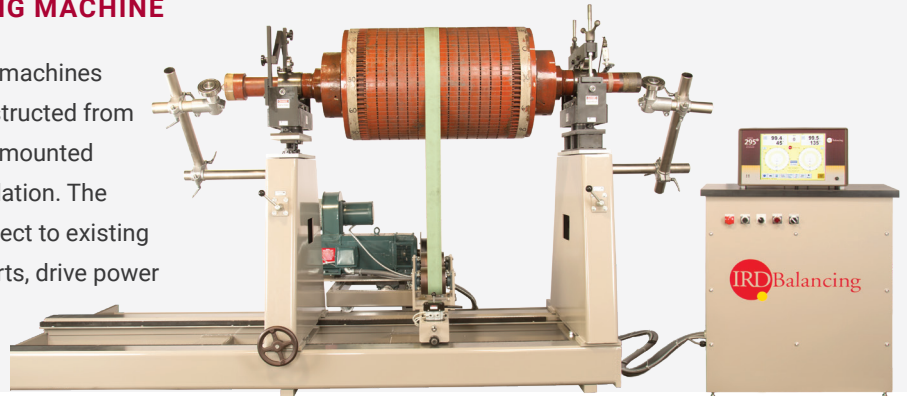


B50-B200 Balancing Machines

GENERAL PURPOSE SOFT BEARING BALANCING MACHINE

Dynamic, horizontal axis, soft-bearing, precision balancing machines that can be used with any IRD[®] Balancing instrument. Constructed from heavy gauge steel weldments, the B50-B200 series can be mounted to existing shop floors without the need for a special foundation. The machines are supplied completely wired and ready to connect to existing input power. Optional instrument packages, V-Block supports, drive power systems, and negative load hold downs are all available.

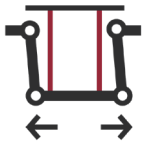


Balance with Precision



BALANCING INSTRUMENT

Designed for easy use with IRD Balancing instruments, including the Model 295 series, Model 246 and Model 236. Sensors & cables included in instrument kit.



SELF ALIGNING GIMBAL ACTION

The IRD Balancing modular work supports incorporate a gimbal action into the assembly that allows for self-alignment of the rotor journals from pedestal to pedestal.



VERSATILE

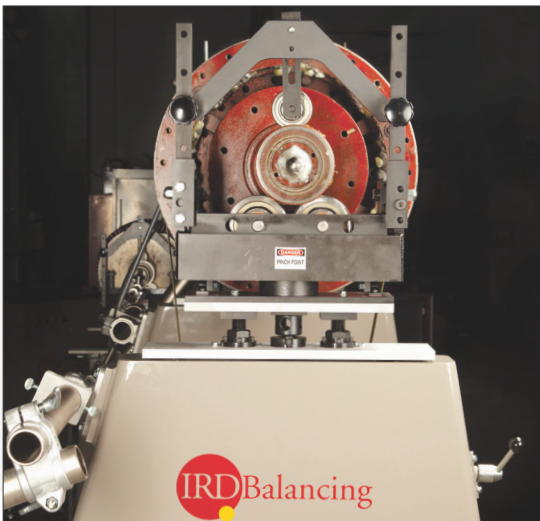
With easy-to-mount hardware, a multitude of accessories, and its transportable construction, these balancing machines can handle a wide variety of equipment.



HIGHER SENSITIVITY, SAFER SPEEDS

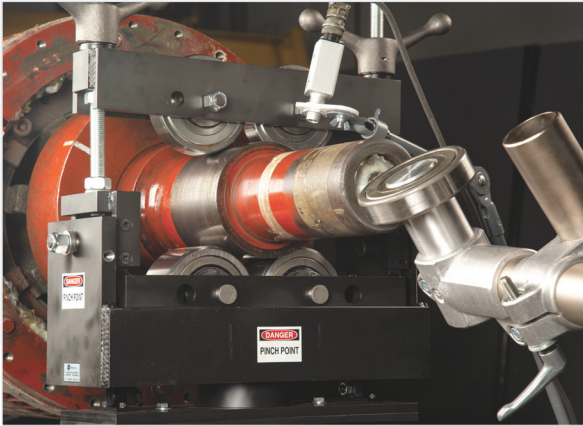
The IRD Balancing soft-bearing design results in a higher sensitivity of unbalance at lower balancing speeds. This provides the operator the ability to successfully balance at a lower and safer speed.

Standard Features



- DC variable speed motor
- Encoder for live angle display
- Regenerative braking drive
- Underslung belt driven with pneumatic tensioning
- Height adjustable work supports
- Suspension motion locks
- Drive console for motor control
- 3 different sized drive belts
- Turn-wheel operated pedestal for span adjustments
- End-thrust assemblies

The IRD® Advantage

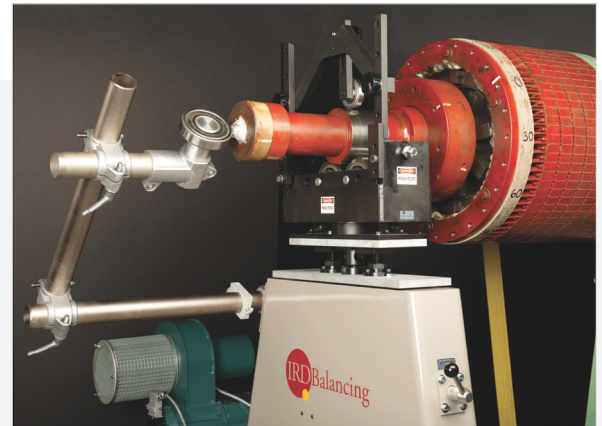


OPTIONAL ACCESSORIES

- Negative load hold down for large overhung applications
- Safety hold downs for ensuring complete journal to roller contact
- Base extensions for paper rolls, tubes, and other long equipment
- V-blocks for housed-bearing and static shaft applications

SIMPLY ADAPTABLE

- Easy-to-move pedestal with turn-wheel
- Pneumatic tensioning for B150 and B200 Models
- Adjust pedestal heights with single spanner wrench
- Pivoting end-thrusts for quick adjustments



Product Specifications

MODEL	B50	B100	B150	B200
MAX WEIGHT CAPACITY	2300kg / 5000lb	4500kg / 10000lb	7000kg / 15000lb	11000kg / 25000lb
MAX ROTOR DIAMETER	2380mm / 94in	2921mm / 115in	2921mm / 115in	3150mm / 124in
JOURNAL SEPARATION RANGE	140 - 2030mm / 5.5 - 80in	203 - 1905mm / 8 - 75in	203 - 3124mm / 8 - 123in	203 - 3150mm / 8 - 124in
JOURNAL DIAMETER RANGE	19 - 330mm / 0.75 - 13in	25 - 381mm / 1 - 15in	25 - 381mm / 1 - 15in	76 - 610mm / 3 - 24in
MAX SENSITIVITY	4 g mm / 0.16 g in	10 g mm / 0.4 g in	10 g mm / 0.4 g in	14.5 g mm / 0.6 g in
STANDARD BED LENGTH	2170mm / 85.5in	2134mm / 84in	3353mm / 132in	3353mm / 132in
DRIVE MOTOR SIZE	DC 3.7 kW (5HP)	DC 7.5 kW (10HP)	DC 11.2 kW (15 HP)	DC 18.6 kW (25 HP)



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About IRD®

For 75+ years IRD®, or Industrial Research & Development, LLC has specialized in highly technical machinery that assists in the repair of industrial equipment. Its two brands, IRD® Balancing and Lexseco™ introduced the first soft-bearing balancing and commercial core loss tester products to the marketplace. Both product lines have advanced with the purpose of providing top-of-the-line machinery across the globe. IRD believes that excellence in workmanship and a high level of productivity are the key components to building long-term relationships with our customers.

