

B5-B20 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. These machines are suited for balancing a wide variety of small to medium weight equipment such as motor armatures, fans, impellers, and turbines. Constructed from heavy gauge steel weldments, the B5-B20 series can be mounted to existing shop floors without the need for a special foundation. Optional instrument packages, V-Block supports, drive power systems, and negative load hold downs are available.



Balance with Precision



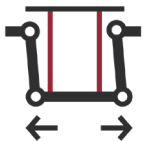
BALANCING INSTRUMENT

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



VERSATILE

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



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.



HIGHER SENSITIVITY, SAFER SPEEDS

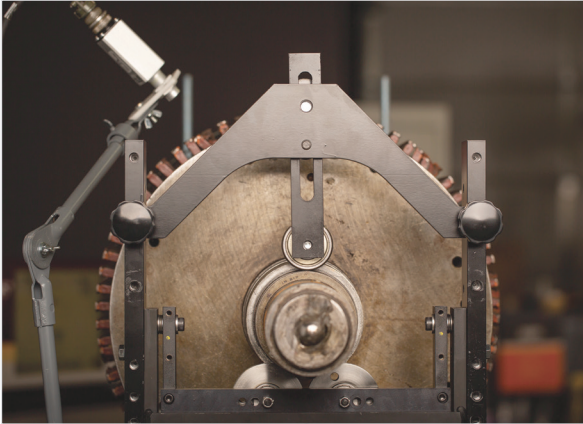
The IRD Balancing soft-bearing design results in a higher sensitivity of unbalance at lower balancing speeds. This provides the operator the ability to successfully balance at a lower and safer speed.

Standard Features



- DC variable speed motor
- Encoder for live angle display
- Regenerative braking drive
- Underslung belt drive with manual 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
- Risers for jobs with larger diameters

USER-FRIENDLY

- Easy-to-move sliding pedestal by hand
- Lock-down swinging suspensions with simple locking handle
- Adjust pedestal heights with single spanner wrench
- Pivoting end thrusts for quick adjustments



Product Specifications

MODEL	B05	B10	B20
MAX WEIGHT CAPACITY	230kg / 500lb	450kg / 1000lb	900kg / 2000lb
MAX ROTOR DIAMETER	900mm / 36in	1000mm / 40in	1143mm / 45in
JOURNAL DIAMETER RANGE	13 - 203mm / 0.5 - 8in	13 - 203mm / 0.5 - 8in	19 - 330mm / 0.75 - 13in
JOURNAL SEPARATION RANGE	102 - 1200mm / 4 - 47.2in	152 - 1250mm / 6 - 49.5in	152 - 1257mm / 6 - 49.5in
MAX SENSITIVITY	1.5 g mm / 0.06 g in	2 g mm / 0.08 g in	4 g mm / 0.16 g in
DRIVE MOTOR SIZE	DC .75 kW / 1HP	DC 1.5 kW / 2 HP	DC 2.2 kW / 3 HP
STANDARD BED LENGTH	1400mm / 55in	1400mm / 55in	1400mm / 55in



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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.

