

DYNABAL BALANCERS

The world's answer to today's balancing problems

BENCH MODELS

Dyna-Bal has designed our Bench Model Machines for balancing of small items that weigh between $\frac{1}{4}$ pound and 500 pounds. There are four models: the DB-25 for 25 pounds; DB-50 for 50 pounds; DB-200 for 200 pounds and our DB-500 for 500 pounds. The Bench Model has the same super-sensitive floating suspension system as our regular floor models have.

The Bench Models will sit on any work bench that is strong enough to support the balancing machine and the part being balanced. The Bench Model series have a two-section sub base that can be stretched apart to accommodate longer centers than the bearing centers that are listed. Electronics are the same on the Bench Model as our Floor Model.

Dyna-Bal manufactures three different models: Floor Model, Bench Model and Space Saver. The Floor Model provides the most flexibility in weight and bearing centers. Weight capacity is from 1000 pounds on our D-5HD to 80,000 pounds on our D-800.

The Bench Model is perfect for companies that have limited needs in weight and bearing centers. The DB-25 has maximum weight capacity of 25 pounds and the DB-500 has a maximum weight capacity of 500 pounds.

The Space Saver Model is for a shop that has limited floor space. These are compact machines and come in sizes from 500 pounds through 2000 pounds. You choose the one with the bearing center and weight capacity you need.

On all three models, they come complete with everything you will need to begin balancing. This includes computerized electronics with printer.



DYNA-BAL
BENCH MODEL

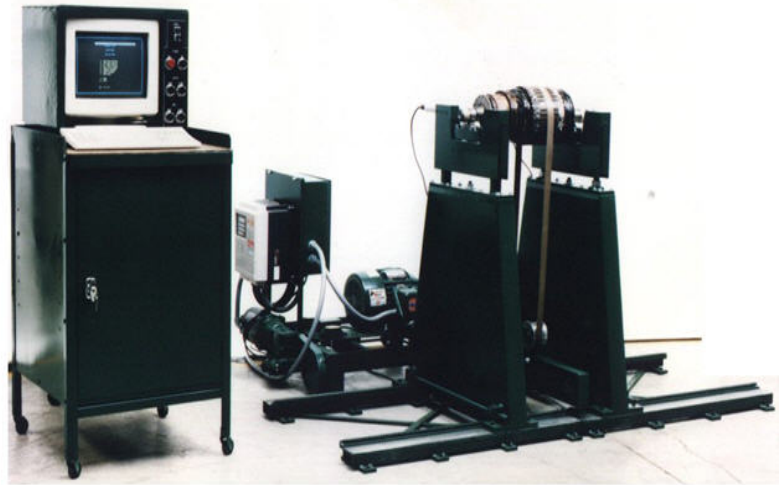
DYNA-BAL FLOOR MODEL MACHINES

Dyna-Bal floor model (FM) machines are designed for rugged use, yet are super-sensitive and simple to operate. Overhung balancing of fans, etc. is easy with Dyna-Bal's standard equipment overhung balancing adapter.

Quick, easy height adjustment to compensate for different size bearing surfaces make end thrust arms obsolete. Balance rotors in their own bearings or with one bearing and on one journal.

Dyna-Bal machines automatically compensate for uneven floors - no special floors or foundations are required. Our machines are not bolted down (anchored to the floor.)

This makes extending the subbase fast and easy. The subbase has been manufactured in two sections allowing them to be extended to accommodate longer than normal rotating assemblies. This increases your bearing centers.



Standard Features	D-5HD	D-15	D-25	D-40	D-60	D-80	D-100	D-150	D-200
Weight Capacity in pounds	1-1000	5-1500	7-2500	7-4000	10-6000	10-8000	15-10,000	20-15,000	25-20,000
Overload Weight	1500 lbs.	2250 lbs.	3750 lbs.	6000 lbs.	9000 lbs.	12,000 lbs.	15,000 lbs.	22,500 lbs.	30,000 lbs.
Bearing Centers - inches	4 to 60	7-60	7-72	7-72	10-72	10-72	10-84	10-84	10-96
Max. Swing	48 inches	60 inches	72 inches	72 inches	78 inches	84 inches	96 inches	96 inches	96 inches
Journal Diameters	1/4-6 inches	1/4-6 inches	1/2-8 inches	1/2-10 inches	1/2-12 inches	1/2-12 inches	3/4-12 inches	3/4-16 inches	1-20 inches
Drive Motor	2HP	3 HP	5 HP	7 ½ HP	10 HP	10 HP	15 HP	15 HP	20 HP
Drive Belts	yes	yes	yes	yes	yes	yes	yes	yes	yes
V-blocks	1	1	1	1	2 sets	2 sets	2 sets	2 sets	3 sets
Anti-friction bearings	1	1	1	1	2 sets	2 sets	2 sets	2 sets	3 sets
Overhung Balancing Adapter	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Electronic system	DBCE101	DBCE101	DBCE101	DBCE101	DBCE101	DBCE101	DBCE101	DBCE101	DBCE101
Scales	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Balancing Kit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Push Button belt	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

For Larger sizes than 20,000, contact IEM for a quote. For smaller sizes, check out our Bench Models and Space Saver Models. 1-888-332-3962

DYNA-BAL BENCH MODEL MACHINES

Dyna-Bal's Bench model machines are low cost yet rugged and easy to operate. A machine that every small shop can afford.

Either of the three bench models will provide the same high quality balance as machines costing two to three times as much.

The Bench model machine has been designed to sit on your work bench or you may purchase a work bench from Dyna-Bal.

When installed on a factory bench, the machine becomes transportable. The Bench model machines are complete units.



**DYNA-BAL
BENCH MODEL**

STANDARD FEATURES	DB-25	DB-50	DB-200	DB-500
Weight Capacity	8 oz.- 25 lbs	1 lb.-50 lbs	1-200 lbs.	1-500 lb.s
Overload Capacity	37 pounds	75 pounds	300 pounds	750 pounds
Bearing Centers	1 ½ to 30 inches	1 ½ to 30 inches	2 to 36 inches	2 ½ to 36 inches
Journal Diameters	1/8-2 inches	1/8-2 inches	¼ to 4 inches	¼ to 4 ½ inches
Maximum Swing	12 inches	12 inches	16 inches	20 inches
Drive Motors HP	½ HP	½ HP	1 HP	1 HP
Anti-friction Bearings	Yes	Yes	Yes	Yes
V-blocks	Yes	Yes	Yes	Yes
Electronic System	DBCE101	DBCE101	DBCE101	DBCE101
Scales	Yes	Yes	Yes	Yes
Overhung Balancing Adapter	No	No	Yes	Yes
Belts	Yes	Yes	Yes	Yes

DBCE101 COMPUTERIZED ELECTRONICS

Our DBCE101 is a computerized electronic system. It works with a personal computer and comes complete with computer, monitor, keyboard, mouse, printer, control cabinet, balancing software, Windows XP and transducers.

WHY SHOULD YOU UPGRADE?

The DBCE101 computerized electronic system can update almost any soft bearing balancing machine.

1. There is no guesswork with the computer. The DBCE101 will calculate the amount of correction, tell the operator where the correction should be made and show the operator when they have the work piece balanced to their job specification.

2. On like items, the DBCE101 becomes like a production balancer. This information can be stored and used later as other like items are needed to be balanced.

3. Balancing operator balances in both planes simultaneously. With the DBCE101, the operator will be making corrections on both planes (if two-plane) at the same time. This helps to eliminate trial and error balancing.

4. Balancing of rotors, fans or anything with blades is made easy. The DBCE101 calculates the amount of weight to put on the blades and tells the operator how much weight on each individual blade.

5. Graphically walks the operator through the process. This helps to eliminate operator error as well as making it easier to train additional operators.

6. Allows more people to be trained to do balancing. Because of the easy to read screen and step by step

instructions, more people can learn to balance effectively and efficiently.

DBCE101 CONTROL CABINET



WHY THE DBCE101?

1. Dyna-Bal has the only digital interface of its kind. The interface board only reads the transducer and the photo eye. Everything is done is our software. This makes it very reliable. The interface board is warranted for one year.

2. Dyna-Bal gives you free software updates for two years.

3. Dyna-Bal's DBCE101 is capable of balancing NEMA, ISO, API, Government and your own specifications.

4. Notes can be added to your report.

5. Limits operator input to a minimum which reduces the potential for operator error.

6. Dyna-Bal's outstanding performance and service record spanning two decades.

7. Dyna-Bal's on screen prompts makes the DBCE101 user friendly.

What will the DBCE101 do for you?
It allows you to have quality control over your balancing.

Balances in 1 or 2 correction planes

Reads in displacement, oz.in or gram/inches.

Gives velocity reading on printout

Calculates permissible unbalanced based on grade, weight and/or operating speed.

Calculates the correction weight based on a reference run and two trial runs for two-plan balancing.

Generates balancing reports.

Calculates weight to be added/removed and location.

Graphically displays the location of weight placement.

If balancing identical components, balance the first unit, then use one run rim runs to balance the rest.

Store balance jobs for future reference

Job numbers and machine descriptions can be entered for us in reports.

Notes can be added to the job for additional information.

The encoder adapter provides a graphic reference for the weight location. Shows the operator where the correction should be.

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