



www.mbs-balance.com

ALL --- PRODUCTS



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welcome to MBS Balance

We continue to grow with the strength of our employees and business partners...

MBS Balance has been shaping the art of balancing for more than 30 years through its production of balancing machines and its knowledge and experience of balancing services.

The dignity of MBS and the image of its prestigious brand, which it has gained through its strong structure, comes from its power and service concept in the sector. MBS, which produces the most suitable solutions by making the sector stronger and more stable with a wider perspective and focus on further activities both in national and international markets, has achieved a steady growth with its highest productivity capacity.

With sustainable development strategies and consistent investment and innovation in its own field of activity, MBS Balance gains its strength and gives its full service and production through its employees and business partners

CONTENT

01	INTRO	»
	About Us	01
	Content	02
	All Products List	03
02	PRODUCTS	»
	Horizontal Balancing Machines	05
	Vertical Balancing Machines	12
	Mil Balancing Machines	14
	FlowBench Machine	17
	VSR Turbo Balancing Machines	19

HORIZONTAL
BALANCING
MACHINES



H-IHB - 10



H-IHB - 7

HORIZONTAL
BALANCING
MACHINES



H-IHB - 3
H-IHB - 1



H-IRB - 300

HORIZONTAL
BALANCING
MACHINES

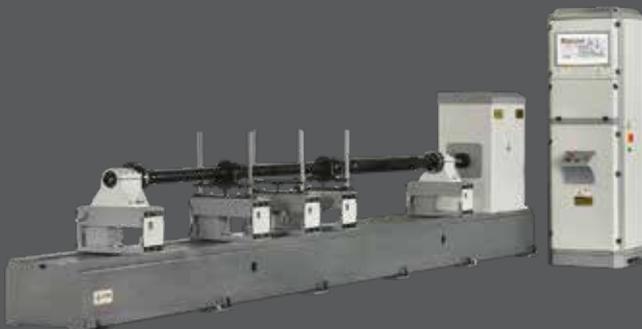


H-IRB - 150



H-IRB - 50

SHAFT
BALANCING
MACHINE



H-IRB - 300

VSR TURBO
BALANCING
MACHINES



CB-15



CB-30

FLOWBENCH
MACHINE



FX-1

MIL BALANCE
MACHINES



H-IRB-20
H-IRB-10



H-IRB-6T

VERTICAL
BALANCING
MACHINES

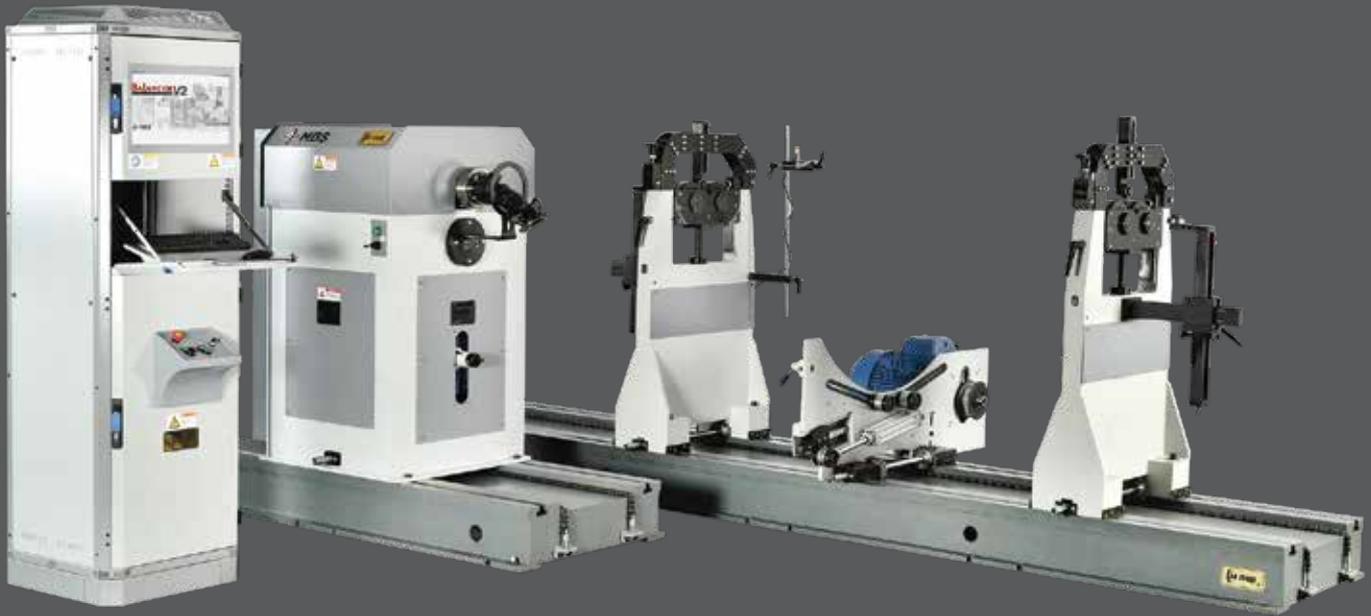


V-IVB - 100



V-IVB - 5

Horizontal Balancing Machines



H-IHB Rotor Balancing Machine is used for static and dynamic balancing of workpieces such as Fan, Impeller, Rotor, Separator, Turbine, Shaft, Roller and so on.

Belt drive unit or Shaft drive unit can be preferable.

Belt drive unit can be better choice to obtain more sensitive results on medium and small pieces.

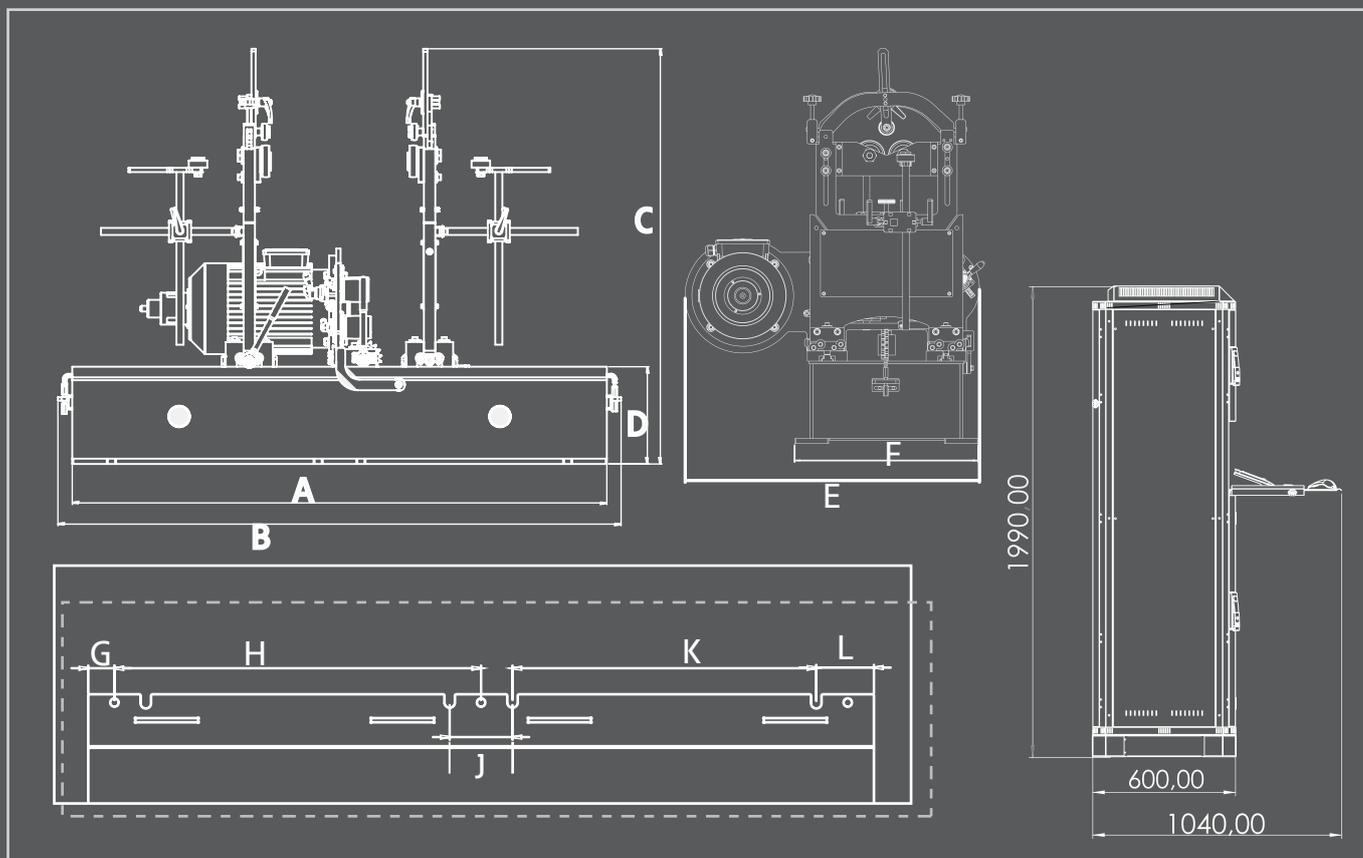
One of the other advantages is that it makes the process of placing the workpiece on the to the machine and it is suitable for sequential working conditions. Be able to use the belt drive unit, there should be at least one cylindrical section where the belt can be placed on the workpiece. Shaft drive unit provides ease of use for large scale heavy rotor types and the workpieces where there is no cylindrical surface where the belt can be strapped.

Balancing program works with licensed Windows operating system.

It is easy for the operator to use. Re-calibration is not required for different rotor types. Before the balancing process, you can calculate the tolerance according to ISO 21940 standards by entering the dimension and weight of the workpiece.

The training and installation process of the machines, which are given by our staff, are finalised with the submission of a certificate. The machine calibration is done in our company and the calibration certificate is provided together with the machine. All our machines are CE certified.

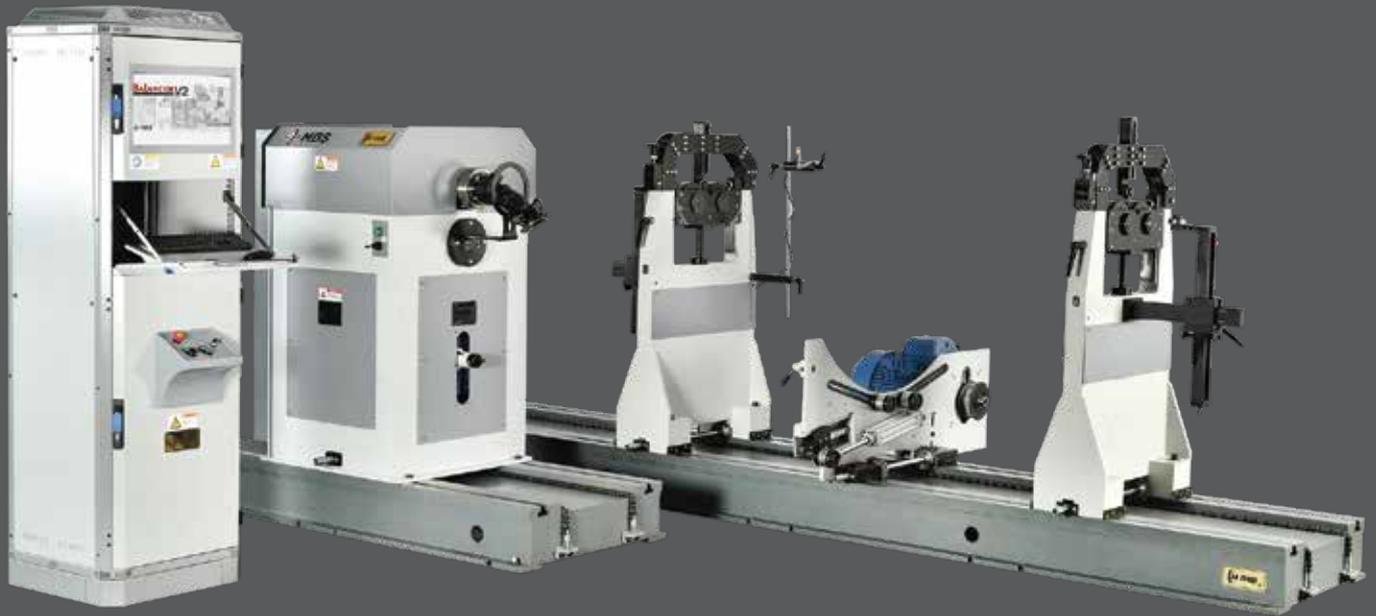
The drilling unit can be added to the equipment in accordance with the workpiece to be balanced.



MACHINE TYPES

	H-IRB-50	H-IRB-150	H-IRB-300	H-IHB-1	H-IHB-3	H-IHB-5	H-IHB-7	H-IHB-10
A (mm)	1500,00	1500,00	1500,00	3000,00	3000,00	3000,00	4000,00	4000,00
B (mm)	X	X	1580,00	3080,00	3080,00	3080,00	4080,00	4080,00
C (mm)	1000,00	1000,00	1175,00	1330,00	1330,00	1330,00	1500,50	1500,50
D (mm)	267,00	267,00	275,00	220,00	220,00	220,00	220,00	220,00
E (mm)	800,00	800,00	868,00	1200,00	1200,00	1200,00	1310,00	1310,00
F (mm)	467,00	467,00	542,00	659,00	659,00	659,00	784,00	784,00
G (mm)	50,00	50,00	50,00	50,00	50,00	50,00	50,00	50,00
H (mm)	700,00	700,00	700,00	952,50	952,50	952,50	975,00	975,00
J (mm)	120,00	120,00	120,00	200,00	200,00	200,00	200,00	200,00
K (mm)	580,00	580,00	580,00	792,50	792,50	792,50	775,00	775,00
L (mm)	110,00	110,00	110,00	110,00	110,00	110,00	150,00	150,00

MEASUREMENT (mm)



H-IHB-7

H-IHB-10

Maximum Rotor Weight	7000 kg	10000 kg
Minimum Rotor Weight	50 kg	150 kg
Maximum Rotor Diameter	2000 mm	2000 mm
Minimum Shaft Diameter	40 mm	40 mm
Maximum Shaft Diameter	320 mm	320 mm
Motor Power	18 kW	22 kW
Bed Length	4000 mm	4000 mm
Drive Unit	Shaft (opt.) or Belt (Std.)	Shaft (opt.) or Belt (Std.)



H-IHB -1

H-IHB -3

Maximum Rotor Weight	1000 kg	3000 kg
Minimum Rotor Weight	10 kg	30 kg
Maximum Rotor Diameter	1400 mm	1400 mm
Minimum Shaft Diameter	10 mm	10 mm
Maximum Shaft Diameter	240 mm	240 mm
Motor Power	11 kW	15 kW
Bed Length	3000 mm	3000 mm
Drive Unit	Shaft (opt.) or Belt (Std.)	Shaft (opt.) or Belt (Std.)



H-IRB -300

Maximum Rotor Weight	300 kg
Minimum Rotor Weight	5 kg
Maximum Rotor Diameter	800 mm
Minimum Shaft Diameter	9 mm
Maximum Shaft Diameter	130 mm
Motor Power	5.5 kW
Bed Length	1500 mm
Drive Unit	Shaft (opt.) or Belt (Std.)



H-IRB -50

H-IRB -150

Maximum Rotor Weight	50 kg	150 kg
Minimum Rotor Weight	0.5 kg	1 kg
Maximum Rotor Diameter	500 mm	500 mm
Minimum Shaft Diameter	5 mm	5 mm
Maximum Shaft Diameter	130 mm	130 mm
Motor Power	2.2 kW	4 kW
Bed Length	1500 mm	1500 mm
Drive Unit	Belt	Belt



H-IHB -300

Maximum Rotor Weight	300 kg
Minimum Rotor Weight	20 kg
Maximum Rotor Diameter	600 mm
Minimum Shaft Diameter	9 mm
Maximum Shaft Diameter	140 mm
Motor Power	5,5 kW
Bed Length	5500 mm
Drive Unit	Shaft (Std.)

*Model H-IHB-300 is produced with standard 4 legs.
5th. leg is optional.



V-IVB Series - Vertical Balancing Machine is a manual loading machine used for balancing of Workpieces such as flywheels, brake discs, pulleys, gears, brakes, clutch pressure plates, fans, pumps and so on. When selecting the device for connecting the workpiece to the machine (Like mirror), it should be practical, quick and, above all, sensitive.

In any case, all our machines have an automatic camshaft adjustment system. The balancing program works with the licensed Windows operating system. It is easy for the operator to use. The operator can calculate the tolerances according to ISO 1940 before starting the balancing process by entering the dimensions and the by entering the dimensions and weight of the workpiece. The training and installation process of the machines, carried out by our staff, is completed with the submission of a of a certificate.

Machine calibration is carried out in our company and the calibration certificate is delivered together with the machine. All our machines are CE certified. Drilling or milling unit can be added to the machine according to the workpiece to be balanced.

V-IVB 5



V-IVB 100



V-IVB 5

V-IVB 100

Max.Rotor Weight

5 kg

100 kg

Min.Rotor Weight

0.5 kg

5 kg

Max. Diameter

300mm

800 mm

Min. Diameter

50 mm

100 mm

Motor power

400 W

5.5 kW

H-IRB 6T



H-IRB 10 / H-IRB 20



	H-IRB 6T	H-IRB 10	H-IRB 20
Max.Rotor Weight	6 kg	10 kg	20 kg
Min.Rotor Weight	100 g	100 g	500 g
Max.Rotor Diameter	260 mm	300 mm	400 mm
Min.Shaft Diameter	5 mm	4 mm	5 mm
Max.Shaft Diameter	30 mm	25 mm	50 mm
Motor power	400 W	400 W	750 W
Bed Length	400mm	530 mm	600 mm
Drive Unit	Belt	Belt	Belt

Dynamic Measurement



- Static and dynamic measurement options
- Precise and fast measurement time



Static Measurement

Shaft Machine Measurement



Balancer v3: It is the new balancing program of MBS Balance experience in the sector and R&D studies that continue every day. With this software, MBS Balance aims to enter a new era.

iBalancer v3 has many functions. Only one of them is the elimination of the calibration problem for each balancing job. In addition, fast measurement values, development of the reporting system, visual convenience, software improvements, daily user tracking, filing system, etc. additions and adjustments were made.

Having multi-language supports, iBalancer provides its users with 24/7 technical support with its remote assistance feature



- Compact design.
- Utilizes your existing shop air supply, 7 Bar, clean dry air required.
- Unlimited work with first calibration when installation.
- Built-in database over C.1900 references.
- It shows and adjusts the current voltage and position values of the turbo.



- It is very easy to use with its 23.5-inch full touch screen and simple interface
- Simple, no-nonsense software, with a touchscreen interface
 - Supports PWM, FDCAN, CAN 2.0, Linbus, Sent and J1939 automatic communication protocols



- 14 x 12 Volt R.E.A CABLES
- 3 X 24 Volt CABLES (Optional)



- 5 X TURBO CONNECTOR



- 1 X HOOK SPANNER



- 3 X C - CLAMPS LOCKING



- 1 X MAGNETIC STAND



CB - 15

Small Group from 28 to 65 mm



CB - 30

Big Group from 43 to 105 mm

- From 30.000 rpm over to 300.000 rpm.
- Only the 1,5 seconds measurement time.
 - Durable mechanical quality.
 - Five-stage oil filtration system.
 - Spare part support.
 - Automatic air control valve.
 - Oil leakage test of a turbo.



Balancing interface is in every language.
Incredible sensitive measurements with our the most advanced software.

Included Equipment

- Nozzles 11 Pieces
- Flanges 25 Pieces
- Oil Hose Tail 3 Pieces
- Turbocharger OneWay Bowl Steady (Long) 2 Pieces
- Turbocharger OneWay Bowl Steady (Short) 2 Pieces
- Installation Guide
- User Manual

Optional Equipment

- Tool Cabinet with Drawers
- Printer
- Dremel
- Nozzles 5 Pieces Big Group (65mm - 89mm)





At the end of the 33 years we have left behind in the balancing machines industry, we continue to provide services with our innovative technology and maximum product quality in line with the needs of our valued customers and the industry.

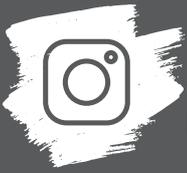
To many more 33 years we will spend together..

Thank you!

OUR BUSINESS IS OUR PRIDE

Passion, Respect, Integrity, Discipline, and Excellence are the foundation of our daily work and business relationships. Everyone at MBS Balance contributes to our respectful work environment and our success.

“Even if it is not easy, we always work for the best.”



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