



BALT
創新·用心·貼心

衡基科技
BalTech Co., Ltd.

BT-3600 - KS1

Active Fan-Balancing Machine

- . Accuracy, Stable, Robust
- . High Precision Chuck Module
- . Standard Rotor Calibration
- . Single/Dual/Triple Planes
- . Rotor, Metal Case, Magnetics
- . Add or Remove Unbalance
- . Servo Motor Driving
- . Go/NoGo Auto Decision
- . Fast USB 2.0 Plug and Play
- . Low Cost, High Performance
- . Graphical Radar Diagrams
- . High-precise Measurement



More **Fast** more **Stable** more **Precise**

>>>>>> More ***Rapid*** >> More ***Stable*** >> More ***Precise***

ISO 1940 Balancing Standard

ISO 1940 Balancing Grade: G1.0

Get Tolerance

Rotor Info.

Rotor mass (g): 32.00

Rotor speed (RPM): 32000.0

P1 Radius(mm): 10.0

P2 Radius(mm): 10.0

Tolerance

Plane-1: 0.48 (mg)

Plane-2: 0.48 (mg)

Permissible Eccentricity

e = 0.30 (um)

BaltTech E-Tracing Database system (2017-01-18) Ver 3.61

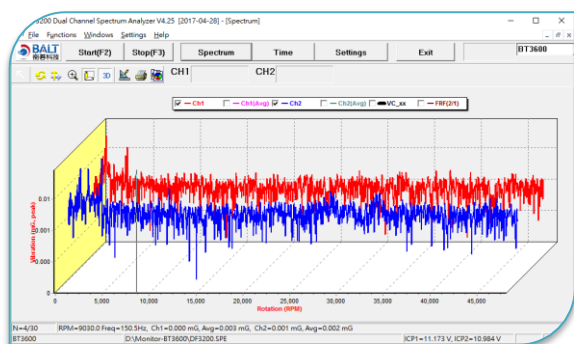
Begin Time: 2017/5/16 下午 02:31:41 End Time: 2017/5/20 上午 02:31:41

Report Time: 2017/5/19 下午 02:31:43 Total N: 9

	Rotor Model	P1 Mass(mg)	Angle(Deg)	P2 Mass(mg)	Angle(Deg)	ST Mass(mg)	Angle(Deg)	CP Mass(mg)	Angle(Deg)	Manual Notes
1	DC4028	0.591	2.4	0.647	190.6	0.104	243.9	0.618	6.7	ISO_NB_2013
2	DC4028	1.204	354.9	1.250	179.6	0.111	242.9	1.226	357.3	ISO_NB_2013
3	DC4028	0.134	158.8	0.116	323.9	0.037	211.7	0.124	151.9	ISO_NB_2013
4	DC4028	1.213	359.1	1.220	180.6	0.033	257.3	1.216	359.8	ISO_NB_2013
5	DC4028	0.502	358.7	0.610	182.9	0.116	201.4	0.555	1.9	ISO_NB_2013
6	DC4028	0.672	355.3	0.652	173.7	0.027	37.1	0.662	354.5	ISO_NB_2013
7	DC4028	0.211	36.6	0.281	252.2	0.201	310.7	0.227	62.8	ISO_NB_2013
8	DC4028	4.051	175.8	4.332	356.5	0.285	6.4	4.192	176.2	ISO_NB_2013
9	DC4028	0.546	175.3	0.548	358.5	0.031	83.3	0.546	176.9	ISO_NB_2013

Searching Conditions: Begin Time: ==> 2017/5/16 T=02:31:41 End Time: ==> 2017/5/20 T=02:31:41

LAHG=2 In=10, Out=0 Max=100000, RchN=10, ==> D:\Monitor-BT3600-Q2_085.BIN



DC4028

Report Time: 2017/5/19 T=02:32:13

Total N: 9

	Rotor Model	P1 Mass(mg)	Angle(Deg)	P2 Mass(mg)	Angle(Deg)	ST Mass(mg)	Angle(Deg)	CP Mass(mg)	Angle(Deg)	Manual Notes
7	DC4028	0.591	2.4	0.647	190.6	0.104	243.9	0.618	6.7	ISO_NB_2013
8	DC4028	1.204	354.9	1.250	179.6	0.111	242.9	1.226	357.3	ISO_NB_2013
9	DC4028	0.134	158.8	0.116	323.9	0.037	211.7	0.124	151.9	ISO_NB_2013
10	DC4028	1.213	359.1	1.220	180.6	0.033	257.3	1.216	359.8	ISO_NB_2013
11	DC4028	0.502	358.7	0.610	182.9	0.116	201.4	0.555	1.9	ISO_NB_2013
12	DC4028	0.672	355.3	0.652	173.7	0.027	37.1	0.662	354.5	ISO_NB_2013
13	DC4028	0.211	36.6	0.281	252.2	0.201	310.7	0.227	62.8	ISO_NB_2013
14	DC4028	4.051	175.8	4.332	356.5	0.285	6.4	4.192	176.2	ISO_NB_2013
15	DC4028	0.546	175.3	0.548	358.5	0.031	83.3	0.546	176.9	ISO_NB_2013

Searching Conditions: Begin Time: ==> 2017/5/16 T=02:31:41 End Time: ==> 2017/5/20 T=02:31:41

- Standard Rotor Calibration
- National Traceable Calibration
- ISO1940 Unbalance
- International Unbalance Standard
- Multiple Purpose Tools
- Tool kits for different work-piece
- High Throughput
- Accelerate mass production line
- Add(+) or Remove(-)
- Different correction methods
- Excel format Data Report
- Sharing reports more flexible
- Go/NoGo Auto Decision
- Avoid human error, zero failure
- On-line data-base, SPC
- Record and generate reports
- Environmental Monitoring
- Online monitoring environments
- Noise Spectrum Analyzer
- Spectrum give more messages



>>>>>> More ***Rapid*** >> More ***Stable*** >> More ***Precise***



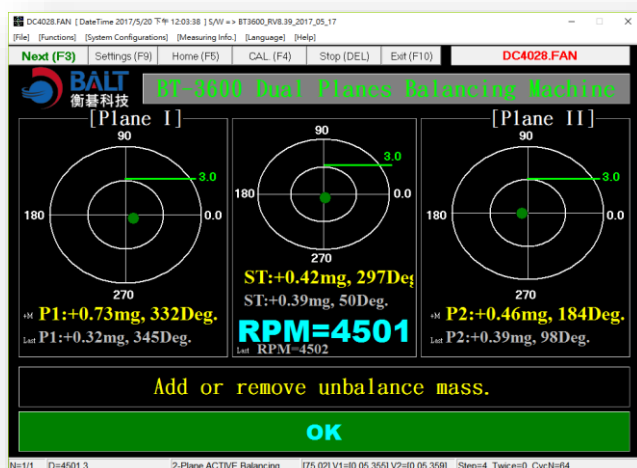
- Standard Rotor Calibration
Check and verify machines anytime
- Best tool for verification
Standards check anywhere, anytime

- Precise, Robust collet
Highly Accurate collet, < 1.0 um
- Wide range collet, 1.2–3.2mm
Measuring work-piece more flexible



- Fan metal case Q.C.
Raw materials unbalance I.Q.C.
- Expanding Collet module
Enhance instrument functions





- Graphical Radar Display
User friendly interface
- Online help
No training cost, online coach
- Multi-Language
World-wide HMI interface
- Single/Dual/Triple radar
Flexible, quick, easy production

BT-3600-KS1 Balancing Machine

Advantage Characteristics

Unbalance detection	Single/Dual/Triple	Units display	ug/mg/g/kg
Graphical HMI	Radar Diagrams	Measuring mode	Precise / Fast
Multi-language	English/Chinese	Clay timer alert	Yes
Operating System	Win7/8/10	Auto components	Yes
OK/NG auto decision	Yes	Standard rotor verify	Yes
Noise monitoring	Yes	Add or removing unbalance	Yes
Auto positioning	Yes	ISO 1940 Calculator	Yes
Spectrum analyzer	Yes	Excel data format export	Yes
Parameter file system	Yes	Online database system	Yes
RS232 data output	(option)	Chuck operation counter	Yes
Counter and statistics	Yes	Last result radar diagrams	Yes



BT-3600-KS1 Hardware Specifications

Suitable fan size (work-piece)	1.2 CM – 8.0 CM
Type of unbalance detection	single/dual/triple planes measurement
Maximal fan weight (work-piece)	< 50.0 gram
Maximum measuring speed	2,100 - 5,000 (rev/min, RPM)
Resolution of rotating speed	< 2%
Fan shaft diameter range	1.2 mm – 3.2mm
Automatic positioning	Server motor control
Reference position indicator	Linear laser indicator
Servo motor and driver	<580.0 Watt. (AC servo)
Controller connection type	USB 2.0 Plug and Play
External communication interface	RS232 (option)
Mechanical size (L x W x H)	300.0 x 265.0 x 230.0 (mm)
Weight of balancing machine	< 30.0 Kg
Power requirement	190 - 250V (Single phase , 50 or 60Hz)
Air source pressure requirement	5.0 – 6.0 Kg/cm ²
Environmental temperature	10 – 60 degree C
Environmental humidity	25% - 80%

>>>>> **BT-3600-KS1**

Active Fan-Balancing Machine

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