

http://www.nsd.com.tw
 Taiwan Patent No.: 135058
 U.S.A. Patent No.: 5800311
 Germany Patent No.: 20201408.8
 and other patents.

NSD POWER®

PB-188 AML PB-188 AMLC



Made in Taiwan

PB-188AML : NSD POWER® automatic ball with multi-light

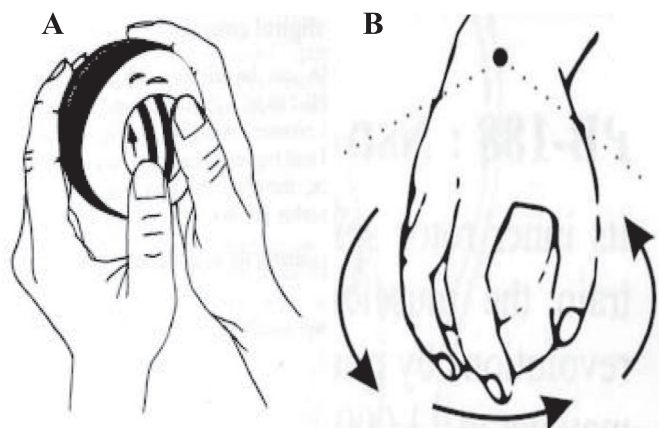
PB-188AML with auxiliary starting force, a generator and a speed detector inside the sphere is suitable for new players. Activate the inner rotor in the direction of the arrow on its surface. Then you can start to train the muscles of your forearms and enjoy the fun the ball brings. It contains neither chemical substances nor batteries. The light comes from an electric generator and high-speed spinning of the inner rotor. The sphere, revolutionarily engineered, turns the torsion of a user's wrist into electric currents, which make the ball glitter. Also, it has been built in a speed detector and offers three colors while the users speed up the ball — red, purple and blue.

Directions:

Spin the inner rotor in the direction of the arrow with your thumb on its surface till it cannot be spun any longer. (Fig. A) As soon as the manual spinning stops, the inner rotor will reverse and start to rotate automatically. You can use your wrist movement to speed up. Please note : If the inner rotor is not rotated as directed, the automatic spinning mode will not be activated. For more information, please refer to "autostart powerball" on Youtube.

To Speed Up

Once the inner rotor starts to revolve, twist your wrist clockwise or counter clockwise to speed up. Once the spinning speeds up, you can start to exercise your wrist and forearm. (Fig. B)



Important Notice:

- * All products in the NSD POWER® 188 Series are made of biodegradable materials, and conformed to CE and RoHS regulations. Please keep away from sunshine.
- * Do not touch the ball when its inner rotor is activating.
- * Please keep the internal of the sphere clean, and away from liquid and grease.
- * Avoid touching the inner rotor with any hard object.
- * Do not drop the ball or it will damage the internal structure and components.
- * Do not over exercise your forearms using NSD POWER®.
- * We recommend you have a balanced use of both forearms.
- * When the inner rotor spins up to 8,000 RPM, please have a tight grip of the ball so as to keep it from dropping and avoid a shortened life.
- * NSD POWER® is not suitable for children under 14.

Germany Patents

Nr.20215476.9	Nr.20212121.6	Nr.202005017793.8
Nr.20311474.4	Nr.20320189.2	Nr.202006014737.3
Nr.20319784.4	Nr.202004017469.3	Nr.202007010179.1
Nr.20201408.8	Nr.202004016651.8	

Japan Patents

No.3146882	No.3118250	No.3127440
No.3106852	No.3127943	

Korea Patents

No.373474	No. 405233	No. 433558
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Netherlands Patents

No.1027458	No.1030116	No.1033500
No.1026674	No.1033359	No.1033367
No.1030115		

NSD POWER®

Australian Patents

No.2004100675	No.2008100053	No.2007100698
No.2005100371	No.2006100976	

China Patents

No.02253289.7	No.02285307.3	No.200520027599.4
No.3258043.6	No.200320112335.X	No.200520130995.X
No.200320112334.5	No.200320112356.1	No.200620027443.0
No.02233006.2	No.200420029473.6	

France Patents

No.2873301	No.2897271	No.2909890
No.2897270	No.2912924	No.2904230

Russia Patent

No.71795

South African Patent

No.2007/06366

Taiwan Patents

No.135058	No. M 240246	No. M 289072
No.143917	No. M 240250	No. M 294341
No.192202	No. M 240251	No. M 308777
No.210444	No. M 242242	No. M350393
No.M244112	No. M 259618	

U.S.A. Patents

No.7,033,304	No.7,101,315	No.7,318,790
No.7,086,990	No.7,452,307	No.7,381,155
No.6,623,405	No.7,077,786	No.5,800,311
No.6,942,601		

NSD POWER® digital counter

It enables users to see the process of their muscle training. It will show immediate scores for users' reference.

Functions:

- (⊕) a. Counting of revolutions:
To measure the revolutions you use Powerball in a period.
- (⊙) b. Counting of Current RPM:
To show the current RPM (revolutions per minute) when you are exercising.
- (⌚) (⊕) c. Historically highest score & Currently highest score.
- (♥) d. Physical Strength Index:
To show your explosive force in 30, 60 or 90 seconds.

★Please note: The maximum speed of the digital counter is 18,000 RPM.

Counting of revolutions: (⊕)

- a. Press the “FCN” button on the digital counter, and then the counting mode of revolutions starts.
- b. The digital counter can save scores of revolutions in memory.
- c. Press the “CLR” button on the digital counter to clear off revolution record.
- d. The unit of digit number: 1 : 100 revolutions
- e. Users can set up goal revolutions to achieve in a certain period of time. Thereby, users can get better and better statistics of exercising

Counting of Current RPM: (⊙)

- a. Press the “FCN” button on the digital counter, and then the counting mode of current revolutions starts. Then the current RPM is displayed.
- e. For the currently highest score, if you press the “CLR” button during rotation of the inner rotor, only the currently highest score record will be cleared off.
- f. For the historically highest score, if you press the “CLR” button twice when the inner rotor is still, the historically highest score record will be cleared off.

Physical Strength Index (♥)

There are three modes of index: 30- second revolutions, 60-second revolutions, and 90-second revolutions.

- a. Press the “FCN” button to start the modes of physical strength index.
- b. The mode of 30-second revolutions shows up first. Press the “CLR” button while the ball is not in motion, and then the mode of 60-second revolutions will show up. With one more press of the “CLR” button, the mode of 90-second revolutions will appear.

Germany Patents

Nr.20215476.9	Nr.20212121.6	Nr.202005017793.8
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Japan Patents

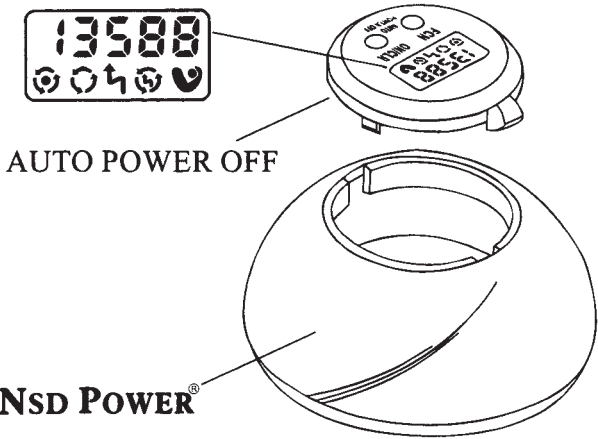
No.3146882	No.3118250	No.3127440
No.3106852	No.3127943	

Korea Patents

No.373474	No. 405233	No. 433558
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Netherlands Patents

No.1027458	No.1030116	No.1033500
No.1026674	No.1033359	No.1033367
No.1030115		



- b. This function is very exciting for users. The digit monitor feels like the dashboard of a roadster. The more power you input, the more feedback you get from the gyroscope.

Historically highest score & Currently highest score (⌚)/(⊕)

- a. Press the “FCN” button to start the “historically highest RPM & currently highest RPM” mode.
- b. When the ball is not spinning, the digital counter displays the historically highest score. Press the “CLR” button to clear off the number shown.
- c. When the inner rotor is rotating, the currently highest score is displayed.
- d. When the current score is higher than the historical record, the display on the digital counter will flash. Then the historical record will be renewed automatically by the current higher score.
- c. The function is to show how many turns you can make within 30, 60 or 90 seconds. The LCD monitor will show the number of the turns when the seconds start to be counted down. Then you may know your explosive force during the certain period of time.
- d. Press the “CLR” button to restart the counting.
- e. If no button on the digital counter is pressed, the counter will automatically be off in 40 seconds.
- f. Press the “CLR” button when the digital counter is working, and the score can be renewed.
- g. If the inner rotor has stopped spinning for 40 seconds, the digital counter will automatically be off except that the physical strength index is still on.
- h. It's the fancy function that users can test their explosive force within short time. For example, an athlete can make a 100-meter dash within ten seconds. Users can get different fun in this function.

Russia Patent

No.71795

South Africa Patent

No.2007/06366

Taiwan Patents

No.135058	No. M 240246	No. M 289072
No.143917	No. M 240250	No. M 294341
No.192202	No. M 240251	No. M 308777
No.210444	No. M 242242	No. M350393
No.M244112	No. M 259618	

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No.6,942,601		