数字化身体

当身体素质解析成直观数字后，发现你自己隐藏天赋的机会终于来了。

《体育画报》记者 何小康
图片 宋勇杰 场地提供 奥莱体育

Digitalized Body

There is a chance that you could discover your potential, when your body condition can be analyzed into some number figure.

<SPORT PERIODICAL> Reporter He Xiaokang

Picture Song Yongjie

Address Ole Sport Centre

Wu You

The captain of CL Smooth Crew Street Basketball

你知道吗？

使用OPTOJUMP的机构还包括：皇马、AC米兰、利物浦、FIFA和奥兰多魔术、法国国家橄榄球队、西班牙田径协会、韩国跳台滑雪国家队

Do you know this information?

The customers who use OptoJump still include:

Real Madrid Soccer Team, A.C. Milan Soccer Team, Liverpool Soccer Team, FIFA, National French Rugby Team, Spanish Track and Field Federation, and Korean National Ski Jump Team.

单脚跳

左腿最好成绩：38.6厘米（这一跳系统给出了最高评分188.1分）

右腿最好成绩：35.7厘米

Monopodalic

The best result of left leg: 38.6cm (the system gave this jump a top point with 188.1)

The best result of right leg: 35.7cm

无助跑跳

最好成绩：71.3厘米

裸足最好成绩：66.9厘米

腾空时间

最好成绩：0.752秒

15秒连续跳

第一跳高度：61.8厘米

最后一条高度：47.1厘米

Jump without running

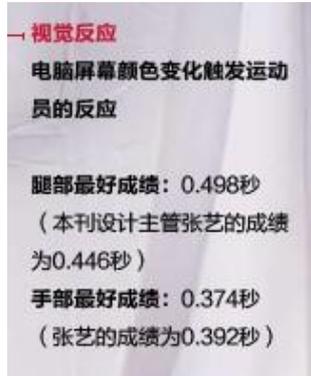The best result: 71.3cm

The best result without shoes: 66.9cm

Flight Time

The best result: 0.752 sec

Jumps 15 sec

Height of the first jump: 61.8cm

Height of the last jump: 47.1cm

Visual Reaction

电脑屏幕颜色变化触发运动员的反应

When the athlete sees a change in the color of the PC screen, he does a quick reaction jump as quick as possible.

腿部最好成绩：0.498秒
（本刊设计主管张艺的成绩为0.446秒）
手部最好成绩：0.374秒
（张艺的成绩为0.392秒）

The best result of legs reaction: 0.498 sec
(The best result of Zhang Yi, who is the design director of this magazine, is 0.446 sec)
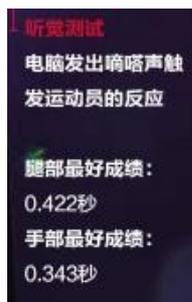The best result of hands reaction: 0.374 s
(The best result of Zhang Yi is 0.392 s)

Step Test

左脚最好成绩：3.95米
右脚最好成绩：3.82米

The best result of left leg jump: 3.95m
The best result of right leg jump: 3.82m

Acoustic Reaction

电脑发出喀嗒声触发运动员的反应

The computer will make two sounds, and the athlete must react to both sounds.
The best result of legs reaction: 0.422 sec
The best result of hands reaction: 0.343 sec

腿部最好成绩：0.422秒
手部最好成绩：0.343秒

每块条形板长度1米，但却可将多组基础单元进行连接，最多可延长系统测试长度到100米

The length of each bar is 1 metre, but two or more bars can be connected together, and the maximum length can get to 100 metres.

A. 摄像头

通过在指定地点安装小型摄像机，Optojump next不仅可以获得数字数据，还可以记录测试的影像信息，并且完全和测量事件同步，可以在数据和图像之间交叉核对。

A. Camera

Optojump Next can get number data, and can also record the video information by installing small camera on appointed place. The video can be fully synchronized with the test, and we can check these information by both date and video.

B. 软件

通过不同运动员的数据对比或同一个运动员不同时期数据对比，进而评定运动员的体质和身体状态，快速识别任何与肌肉有关的缺陷，还能用作运动员选拔的客观"判断"依据。

B. Software

Optojump Next makes it possible to assess an athlete's performance and physical condition, according to comparing the data of athletes with each other or to comparing the results of a particular athlete in different periods of time. It can also rapidly identify any muscular deficiencies, and can be used of an objective "judgment" when choosing athletes.

C. 红外线

Optojump next是一套由发射端和接收端组成的光学检测系统，在精确度达0.001秒的情况下，发射端每一节包含的33到100个发光二极管不断与接收端进行通讯。系统探测两端间任何通讯中断并计算持续时间，以这些数据为基础，测算出与运动员有关的数据。

C. Infrared light

Optojump Next is an optical measurement system consisting of a transmitting bar and a receiving bar. Each of the transmitting bars contains from 33 to 100 LEDs, and the LEDs can communicate continuously with those on the receiving bar. The system detects any interruptions in communication between the bars and calculates their duration. Based on these data, Optojump Next can calculate the figure relating to athletes.

注：测试装备由 MICROGATE 提供。

Remark: The equipment for this test is supported by MICROGATE company.