

# Science & Motion Sports

## **SAM PuttLab 6** **New Features**

## Table of content

<b>NEW FEATURES OF SAM PUTTLAB 6.....</b>	<b>3</b>
<b>1.1 Brand New User Interface .....</b>	<b>3</b>
<b>1.2 New Report Builder for customized Reports .....</b>	<b>5</b>
<b>1.3 New Result parameters and views.....</b>	<b>7</b>
<b>1.4 New Report Module for Screen, PDF and Print .....</b>	<b>8</b>
<b>1.5 Data List Report pages.....</b>	<b>9</b>
<b>1.6 Planned free feature updates for 2018.....</b>	<b>9</b>

# New features of SAM PuttLab 6

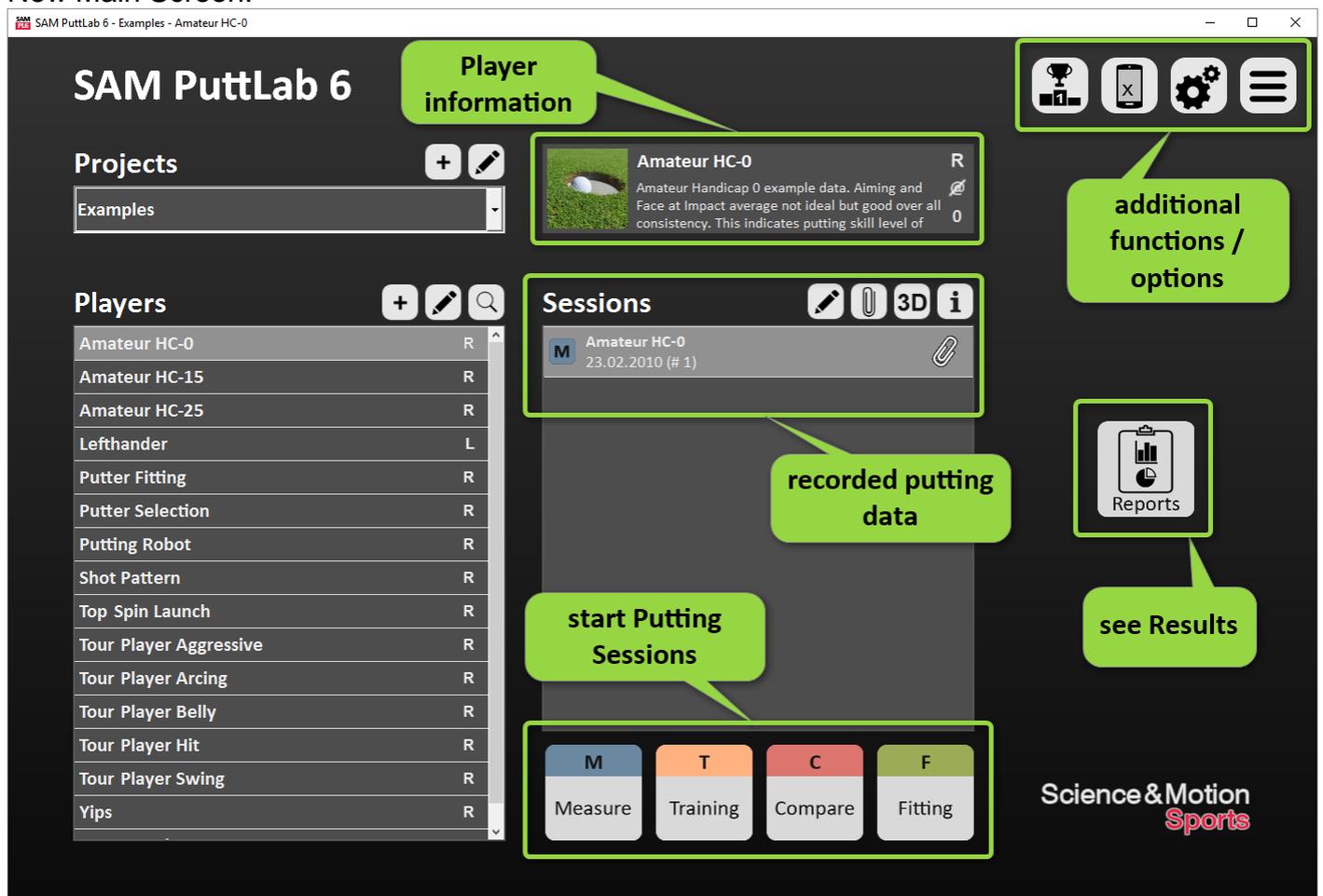
PuttLab version 6 includes some major new features. The main differences to the previous version 5 are listed in this chapter to give a quick overview.

## 1.1 Brand New User Interface

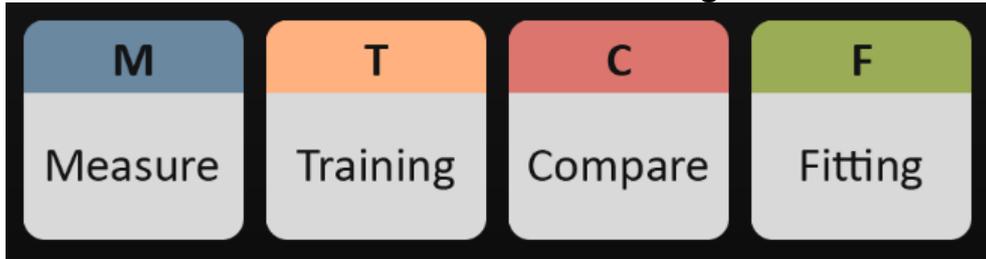
PuttLab 6 introduces a brand new user interface with a clean design, improved functionality and much easier operation. Different functional areas are grouped together.

All important functions are now represented by large buttons for direct access. Compare and Fitting sessions can now be directly accessed on the main screen.

New Main Screen:



**New feature: Quick Start Buttons for recordings**



<b>Measure</b>	Starts a measurement with fixed number of putts. This is the standard session for performance analysis of a Player.
<b>Training</b>	Starts a Training session with direct visual and audio feedback options. Specific Reports with different content can be selected.
<b>Compare</b>	Starts a Putter comparison or programs optimize Player's performance by directly comparing different putting conditions.
<b>Fitting</b>	3 different levels of guided Fitting programs for dynamic putter fitting. PuttLab will recommend the ideal custom fit putter based on the players putting data.

**New feature: Player information window**

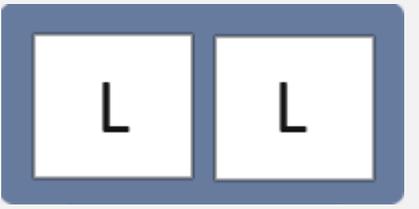
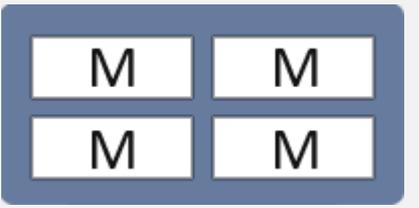
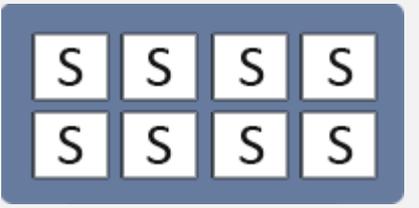
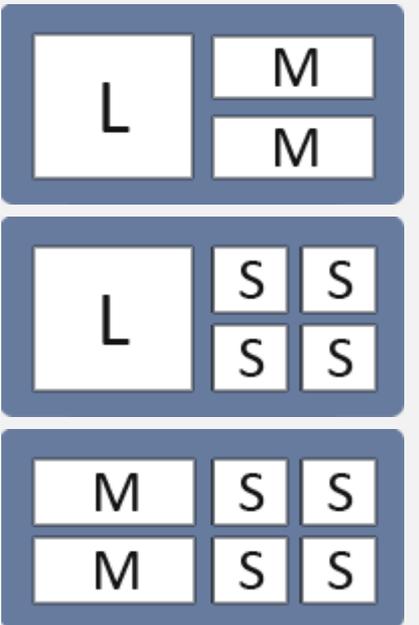


The Player information window shows the most important details for the player in one clear summary.

## 1.2 New Report Builder for customized Reports

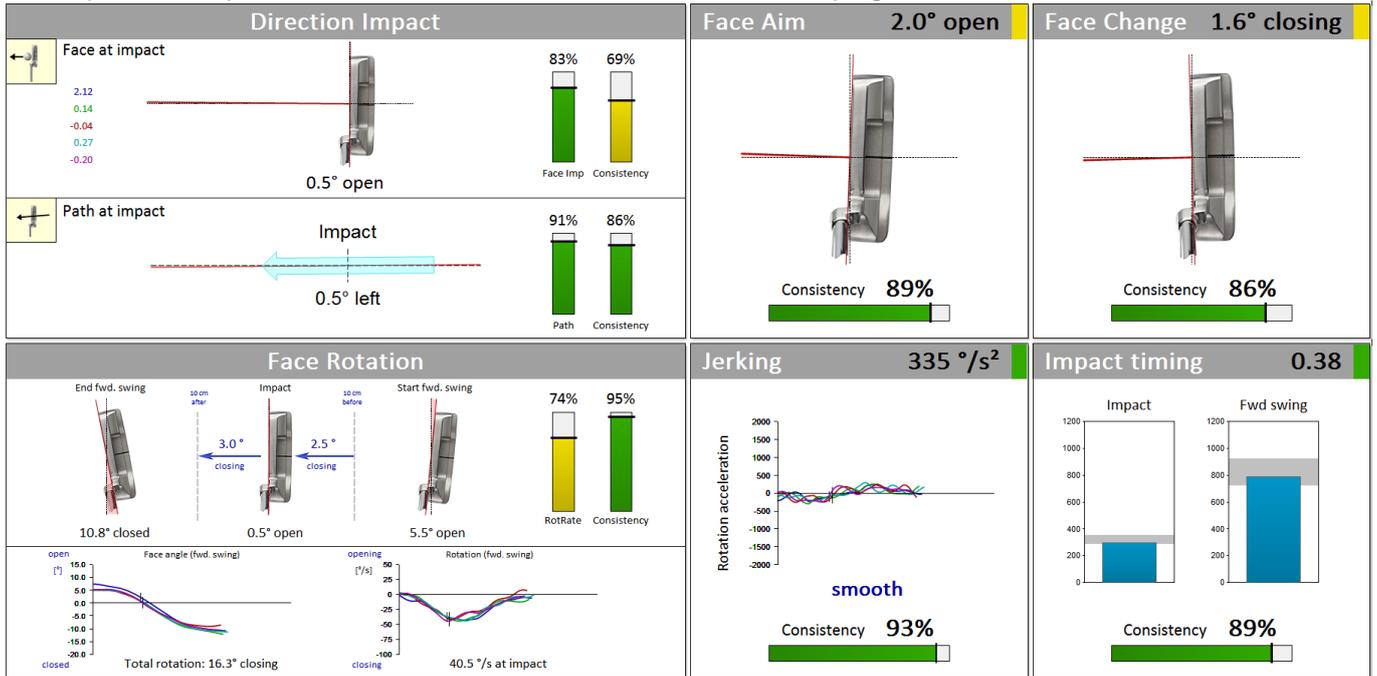
A key feature of the PuttLab 6 software is the new **Report Builder**.

It is a **whole new concept** how results can be displayed on customizable Report pages. Base for all Reports are now Tiles of different sizes:

<p><b>X Large (XL)</b></p>	<p>One X Large Tile fits on one page. The XL Tiles are the most detailed representation of a result parameter. Comparable with the old Report pages of previous PuttLab versions.</p>	
<p><b>Large (L)</b></p>	<p>2 Large Tiles can be placed on one page. Large tiles still show very detailed information and allow two see two main parameters on one page.</p>	
<p><b>Medium (M)</b></p>	<p>4 Medium Tiles fit onto one page. M Tiles show less details than L but allow to see 4 different aspects on one page. Especially helpful for Training.</p>	
<p><b>Small (s)</b></p>	<p>8 Small Tiles fit onto one page. S Tiles show less details than M but allow to see 8 different aspects on one page.</p>	
<p><b>Mixed Tiles</b></p>	<p>Besides the usage of equal sized Tiles on one page there are three more options for mixed designs a Report page.</p> <p>This allows to combine Tiles with detailed information with Tiles containing less information and to cover multiple different parameters.</p>	

# SAM PuttLab 6 – New Features

Example for Report with two M Tiles and 4 S Tiles on one page:



With the Report Builder it is possible to create customized Reports or editing existing ones. The software allows to add or edit pages and to choose from a selection of **more than 80 existing tiles** for all putting parameters.

Science & Motion Sports extended the number of available result parameters from 28 to 41 for the new PuttLab 6 software.

## Example for Report Builder:

PuttLab Report Builder - Report: untitled

Report Navigation

Report Pages list:

- 01 - My Page 01
- 02 - My Page 02

Load New Report

Save & Exit    Cancel

Page Info

Page 2 of 2    Page name: My Page 02    Set    Change Page Layout

Shaft Lean

Address

Shaft 1.0° deloft  
(Putter Loft: 4.0°)

Loft: 3.0°

Impact

Shaft 1.3° deloft  
(Putter Loft: 4.0°)

Eff. Loft: 2.7°

Rise angle: 1.7° up

Insert Tile    Inch:    b

Pred. Spin: neutral

Putter Path - Side view

Rise: 1.5° up

Rise angle: 1.5° upward

Putter above ground: 7.8 mm

Timing

Backswing

755 ms

To impact

363 ms

Forward swing

1010 ms

59%

Rhythm consistency

Backswing Rhythm: 2.08

Impact Timing: 0.36

Direction Impact

Face at impact

-0.74  
0.16  
0.88  
0.45  
0.62

82%  
87%

Face Imp  
Consistency

Path at impact

5.2° left

35%  
83%

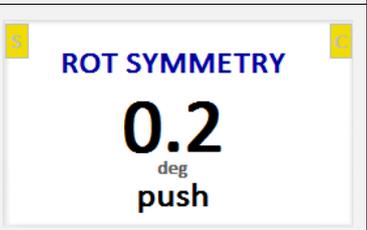
Path  
Consistency

For each Tile the software will display a preview image. While you build a customized Report you can immediately see how the result will look like. Up to 10 pages can be designed and saved in one Report. The Reports can also be used in the Training mode.

### 1.3 New Result parameters and views

SAM PuttLab 6 offers 8 brand new putting parameters compared with previous versions. In total SAM PuttLab analyses now 41 putting parameters which can also be displayed in a new Data Listing Report (see 1.5). For all 41 PuttLab parameters now Score ratings (if there is a reference) and Consistency ratings are displayed.

The new parameters are:

Spot at address		Spot vertical	
Lie angle at address		Shaft lean at address	
Loft at address		Spin Loft	
Rotation in backswing		Symmetry of Rotation	
Jerking			

## 1.4 New Report Module for Screen, PDF and Print

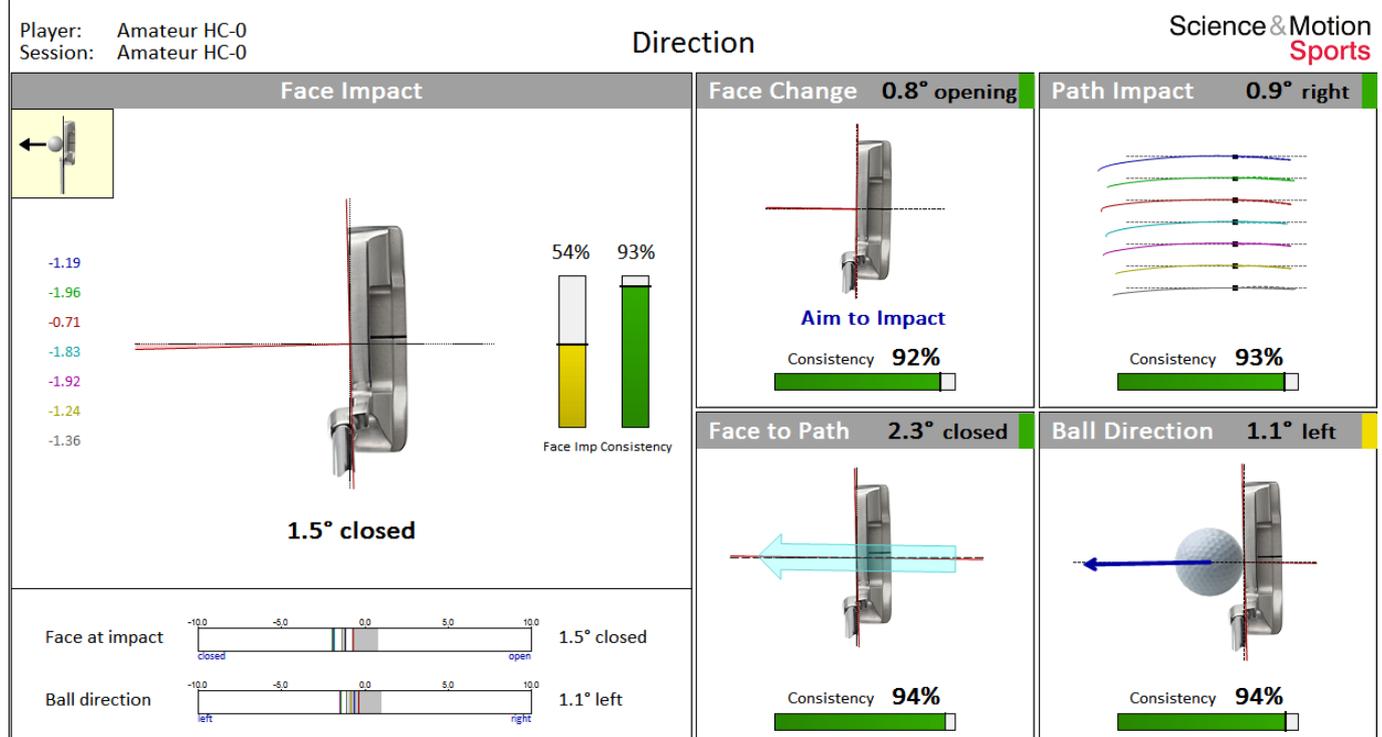
SAM PuttLab 6 has integrated the functionality of the previous Print reports, Screen reports, and Profiles into one single Report module.

Biggest advantages are much easier operation and the fact that all Reports now will look 100% identical, no matter if they are viewed on screen, printed (to PDF), or used in the Training mode.

### Features of the new Report module:

- Reports look identical in all formats, also in Training mode
- Reports can be opened as PDF to save or to print them
- Reports can be directly emailed as PDF
- Report pages can be saved to JPG files or copied to clipboard
- Increased number of available putting parameters (41 compared to 28 in PuttLab 5)
- New combined Reports (i.e. "Professional Report") with large and small data views to add more specific information to a single report page
- EasyFit Report available to simulate a fitting for existing data

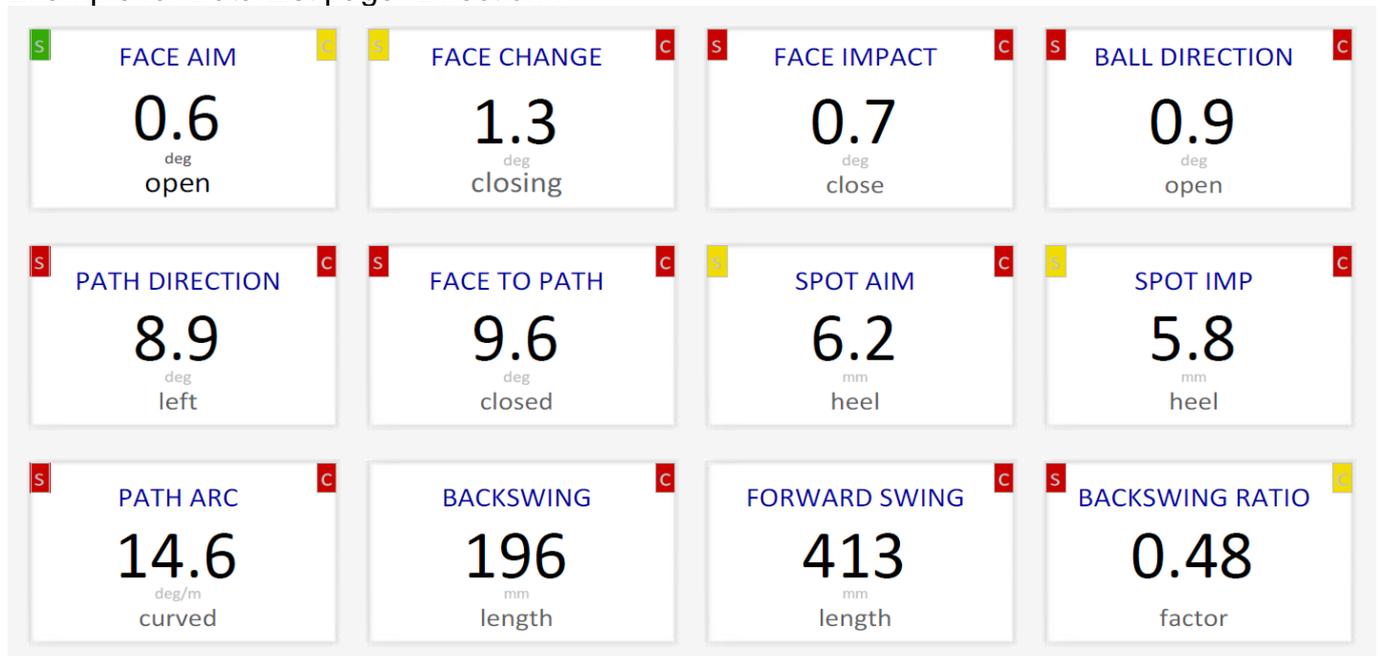
### Example for "Direction" page of new "Professional Report"



## 1.5 Data List Report pages

All of the 41 different putting parameters provided by SAM PuttLab 6 can now be displayed in a new Data List Report. This allows a full overview of up to 12 parameters per report page. The parameters are functionally grouped like for Direction, Rotation, Launch and Dynamics.

Example for Data List page "Direction":



The Data List Report can also be used during Training mode to provide direct feedback on different parameters in one single Report page.

## 1.6 Planned free feature updates for 2018

- Integrated interface to putting platforms to play and analyze breaking putts with SAM PuttLab (e.g. for Putting Perfection Platform or ZEN Green Stage).
- Automatic recalibration of SAM PuttLab for multiple targets or for breaking putts
- Integration of SAM BalanceLab to simultaneously record SAM PuttLab and SAM BalanceLab data.
- 6 additional Report tiles in 2018 with 6 new putting parameters
- New comparison mode, with side to side comparison of different player's data, or comparison of two recordings from one player.
- New "History Report" function in Training to see the actual putt in comparison with previous putts.