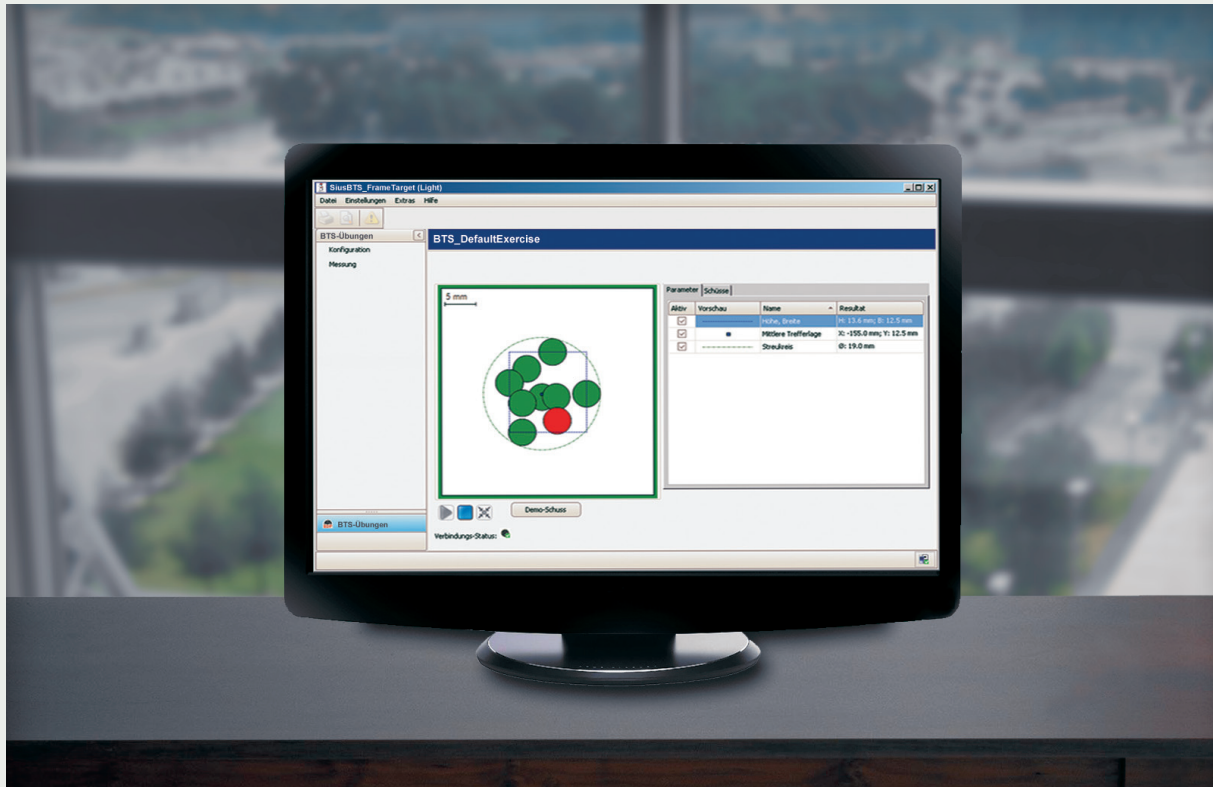


SIUS

Electronic scoring systems



SIUSBTS®

(formerly known as SIUSEDP®)

Possible applications
and function description

**Tests of weapons and ammunition
on the computer**

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Connection of a target with a PC/Laptop with SIUSBTS®

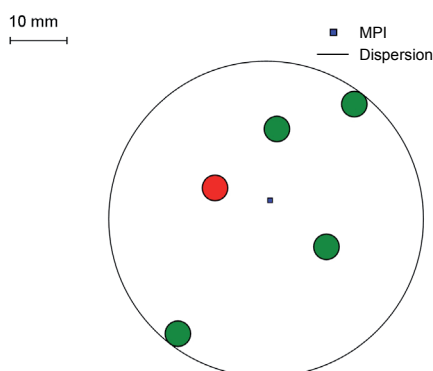
SIUSBTS® (Ballistics Test System) is generally used by the manufacturing industry (ammunition plants and weapon factories) and the military for quality control and evaluation of weapon and ammunition performance. Shooting clubs use the software as well, e.g. for testing weapons or creating and recording shot patterns.

The shooting data of a SIUS target are displayed and evaluated on a common Windows-based computer. The display and evaluation of the shooting data is provided by the software SIUSBTS®, which is delivered on a CD-ROM. According to its use, SIUSBTS® can be combined with all SIUS targets.

More informations

<http://www.sius.com> > Products > Software

Customized print out
from SIUSBTS Pro version:



Test / Description	Test				
Rifle scope / Model	Z6i 3-18x50P L	Crosshair	4Ai	SN	M791523392**
Rifle / Model / Barrel length	Rem. Modell 700 Police 680 mm	Calibre	0.338	SN	G6921635
Brand ammunition	RWS Target Eliteplus	Dim. / Type / FZ	16,2g Lapua Mag.		
Ballistic data acc.to prod.	v0 885 m/s bC 0,548	Barrel length acc. to prod.	680mm		
Mounting / Sight height	MAK one piece mount 5cm	Rifle support	Benchrest		
Shot distance	100m	Shot sequence	10 min., 5 shots		
Air press. / Temp. / r.h.	830mbar / 22°C / 45% r.h.	Shooter	Christian Steinlechner		
Remark	Examination of riflescope and kind of mounting				

Shot	x [mm]	y [mm]	Speed measurement	
			v1 - 10 m [m/s]	v2 - 90 m [m/s]
1	14.2	22.6	899.0	879.0
2	0.5	18.3	887.0	n. def.
3	-16.9	-17.7	888.0	865.0
4	9.3	-2.5	895.0	865.0
5	-10.4	7.9	885.0	868.0

MPI μ	x -0.7 mm	y 5.7 mm	Mean speed [m/s]		
Dispersion Ø	55.5 mm		v0 / v1 / v2	890.2	890.8
Standard deviation S			BC	88.45	Std.S
				5.9	6.7

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Signature:

Software

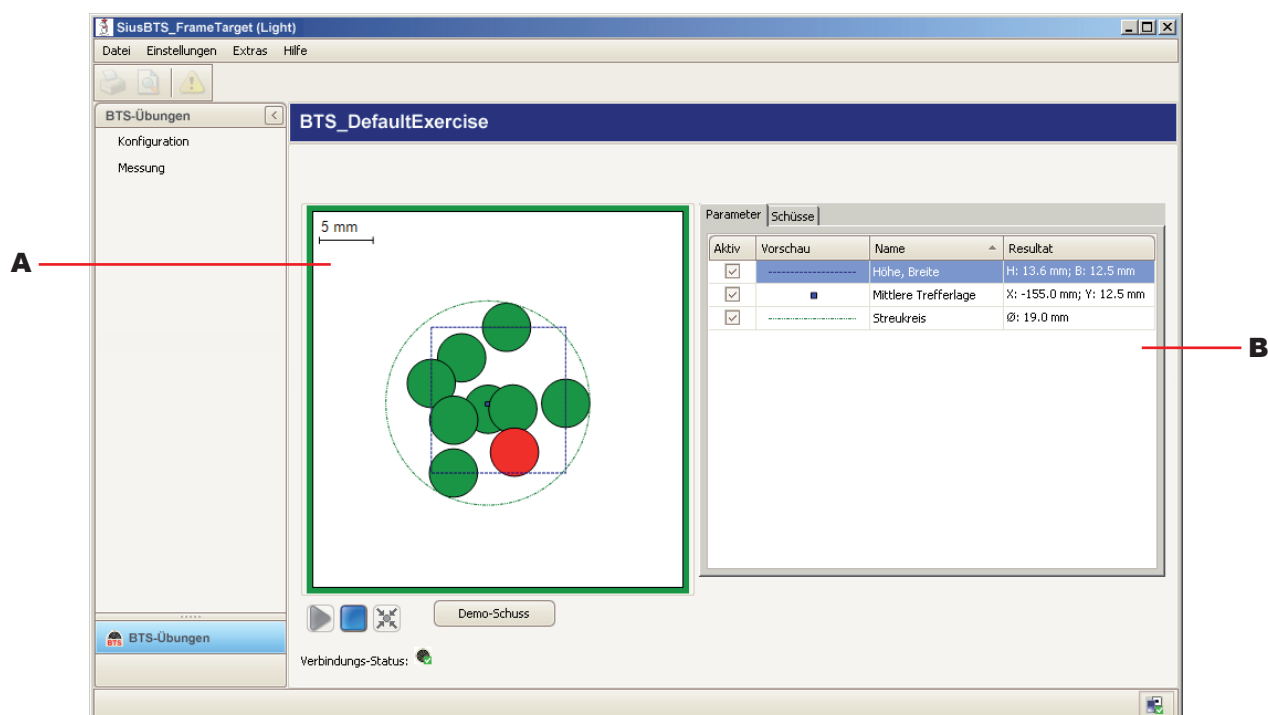
Display and test system SIUSBTS®

The software for the display and test system SIUSBTS® must be installed on a common Windows-based computer and enables the viewing and controlling of the connected installation. The software allows the measurement of different parameters like radial distance, mean point of impact, height/width. Further individual requirements of the customer to the software can be adapted.

Minimum PC requirements:

- system Windows 7 / Windows 8
- 1.3 GHz processor
- 512 MB RAM
- 1.85 GB free space on harddisk
- one free USB port

The main user interface of SIUSBTS®, which is visible during shooting, is presented as follows:



A = shot pattern, point of impact and visualized parameters

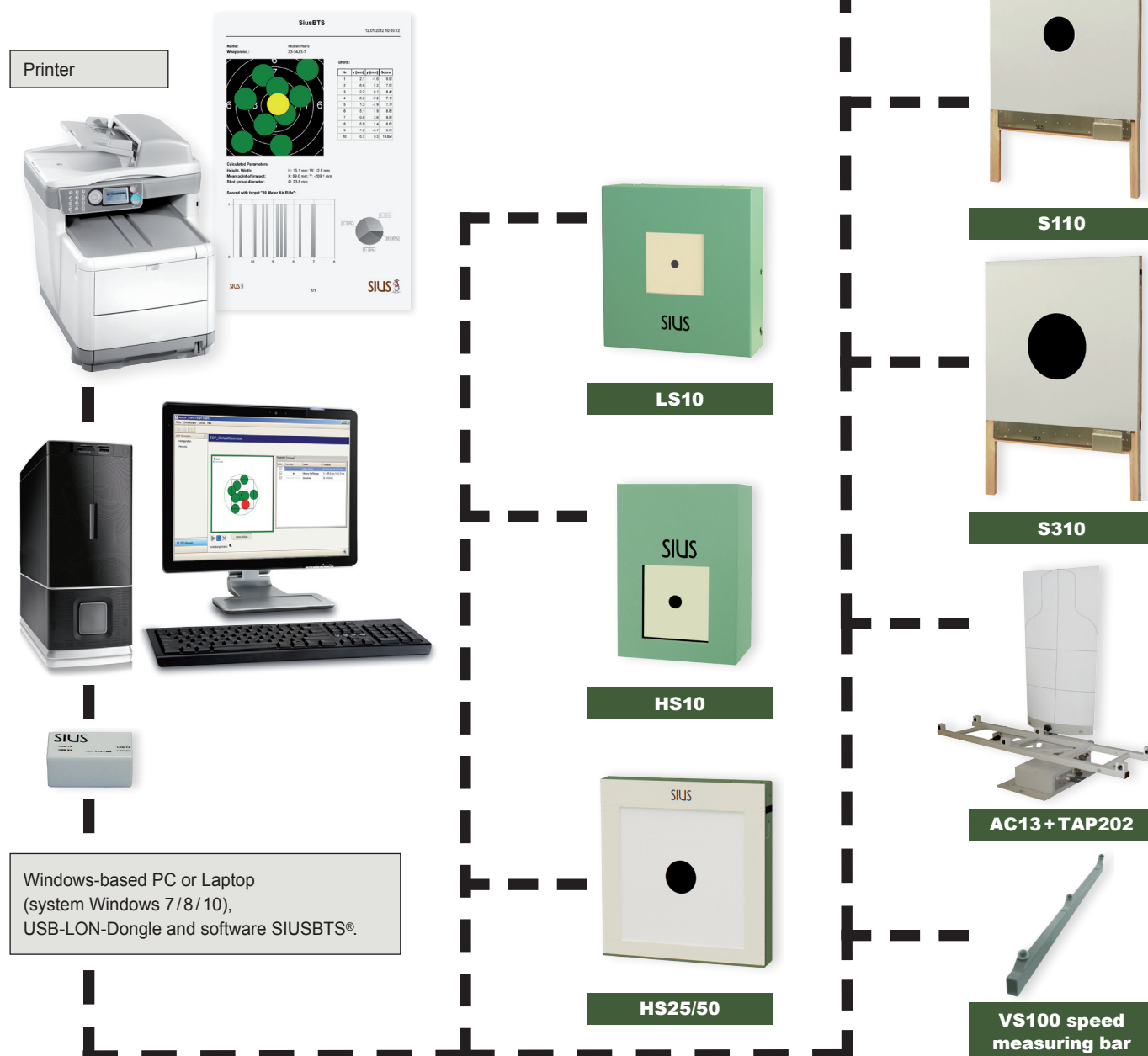
B = legend and results of the calculated parameters

SIUSBTS® Pro-Version

The Pro Version is recommended if there are further requirements of shooting data evaluation then the general analytical functions (radial distance, mean point of impact, height/width).

Features:

- Default parameters for measurement of radiale distance, medium point of impact, height/width as well as development and adaption of further parameters due to individual requirements of the customer to the software
- Speed measuring
- Support free of charge
- Automatic storage and printing of the evaluated data



Pos.	Article no.	Description
Display and test system SIUSBTS		
1	SIUSBTS-CD	Display and test system SIUSBTS (CD)
1	SIUSBTS-PRO	License for SIUSBTS-PRO
1	SNI210-LANE	USB-LON-Dongle (gelb)

Several examples of application

SIUSBTS® is versatile – some examples of application below.

Installation for gunsmiths and sport shooters

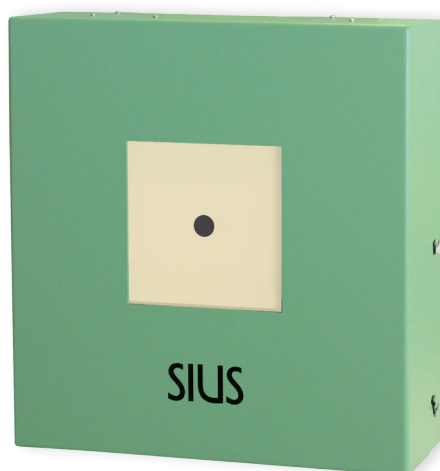
- Detection system: specifically to weapon/ammunition (generally for distances up to 50m, e.g. targets LS10, HS10, S25/50)
- PC with USB-LON-Dongle
- SIUSBTS®-LIGHT

Purpose:

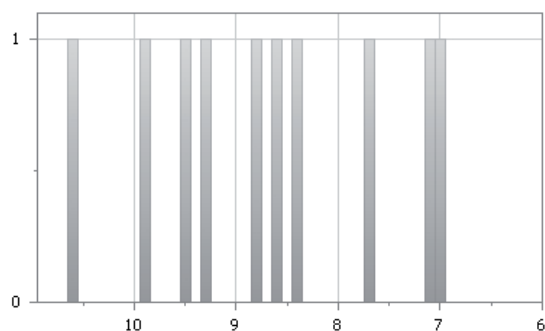
Precision tests of weapons and ammunition.

After completion of a shooting test, SIUSBTS® enables the possibility to transfer the shooting pattern in the desired front mask of a target. The evaluation of the single shots will be carried out on the basis of the chosen target front mask and is graphically represented in a printout (see figure below).

The user can easily identify the most appropriate ammunition for the tested weapon.



Scored with target "10 Meter Air Rifle":


SIUSBTS®-LIGHT

Installation for ammunition plants and weapon factories

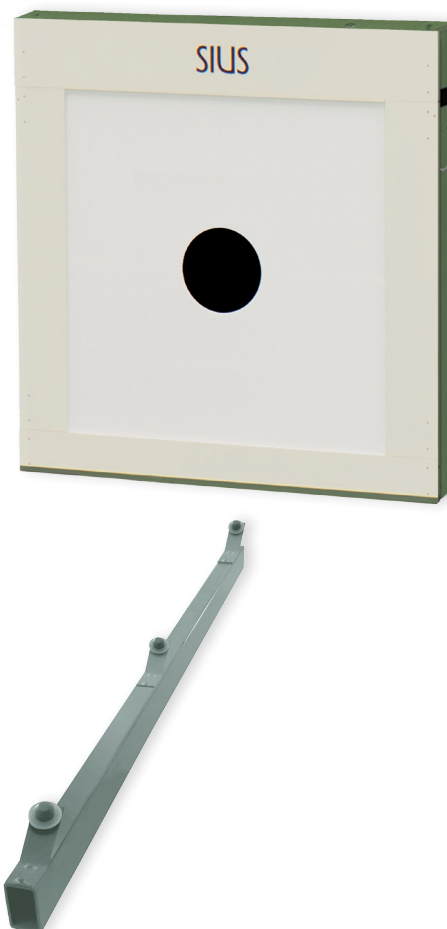
- Detection system: specifically to weapon/ammunition
- Velocity measuring bar VS100 (optional)
- PC with USB-LON-Dongle
- SIUSBTS®-PRO

Purpose:

Precision tests of weapons and ammunition.

The desired detection system can be chosen according to the tester's requirements. In addition, the evaluation can be complemented by customized parameters.

The system can be complemented by velocity measurements at different positions.


SIUSBTS®-PRO

Installation for the US Army

- Detection system: target S310
- Speed measuring bar VS100 (on target)
- PC with USB-LON-Dongle
- SIUSBTS®-PRO

Purpose:

Precision and velocity tests of weapons (big bore and ammunition) on target.

The weapon can be calibrated based on the measured data.

Under special conditions, it is also possible to use wireless communication. Distances up to 1000m can easily be reached.



SIUSBTS®-PRO

Installation for the French Army

- Detection system: AC13 with TAP202
- PC with USB-LON-Dongle
- SIUSBTS®-PRO

Purpose:

Precision tests of weapons (big bore). Verifying the functionality after maintenance and repair before delivery.

The generated shooting pattern must meet minimum criteria within a certain tolerance specifically for the tested weapon.

The pop-up target, TAP202, is used to test the weapon on the target. During the shooting test the target is folded down. This ensures a wearfree shooting test. In addition the detection system, AC13, enables testing of velocity as well.



SIUSBTS®-PRO



Information och förfrågningar

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