CAMAG®

INSTRUCTION MANUAL
SMARTCUT

Zertifiziertes Managementsystem
SQS
ISO 9001

Table of content

1.	Introduction	2
1.1.	CAMAG *smart*CUT	2
1.2.	Parts supplied	2
1.3.	Spare parts	2
2.	Handling	3
2.1.	Use of *smart*CUT	3
2.2.	Replacing the glass cutter	4

1. Introduction

1.1. CAMAG *smart*Cut

The CAMAG *smart*Cut allows cutting TLC and HPTLC plates in defined pieces.

Plates with a thickness of up to 3mm can be cut with the *smart*Cut.

1.2. Parts supplied

Part #	**Parts supplied**
022.4300	*smart*Cut
B.022.4300-E	Manual

1.3. Spare parts

Part #	**Description**
115.4305	Glass cutter

2. Handling

2.1. Use of *smart*Cut

Position the TLC plate in the *smart*Cut and align it against the ruler to select the desired size of the piece to be cut-off.

☞ ***Note that the plate should only be cut when the chromatographic layer faces down!***

To score, hold down the plate with one hand while with the other hand first position the cutter head at the upper edge of the plate, and then move it with gentle pressure towards the lower edge of the plate where the pressure is released.(Fig.1) To break the plate at the score keep holding it down with one hand while pressing with the other hand on the portion of the plate that extends outside of the *smart*Cut until it brakes. (Fig.2.)

Fig.1

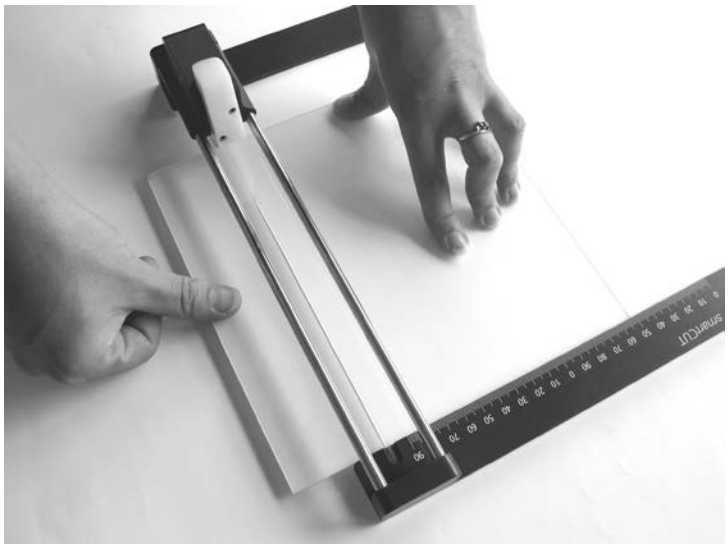

Fig.2

2.2. Replacing the glass cutter

When the glass cutter lost sharpness it can easily be replaced. To replace the glass cutter remove the two screws in front of the glass cutter retainer (Fig.3)

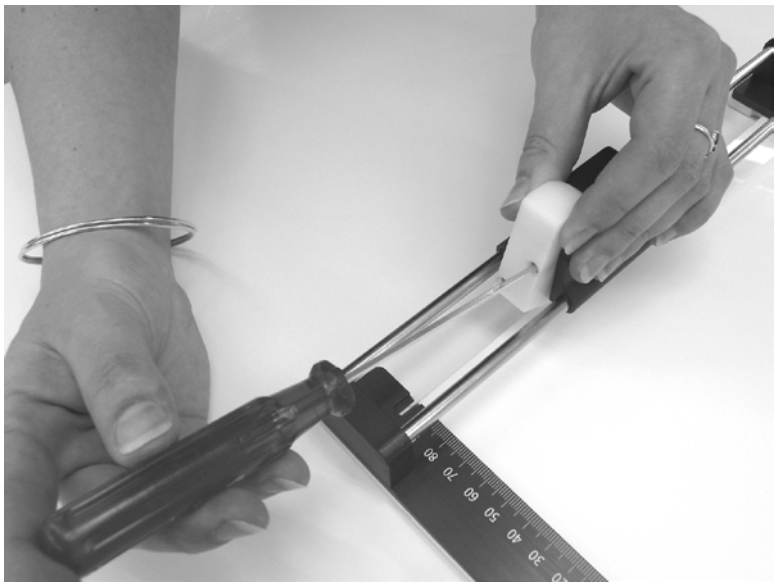

Fig.3

Replace the glass-cutter with a new one Fig. 4.

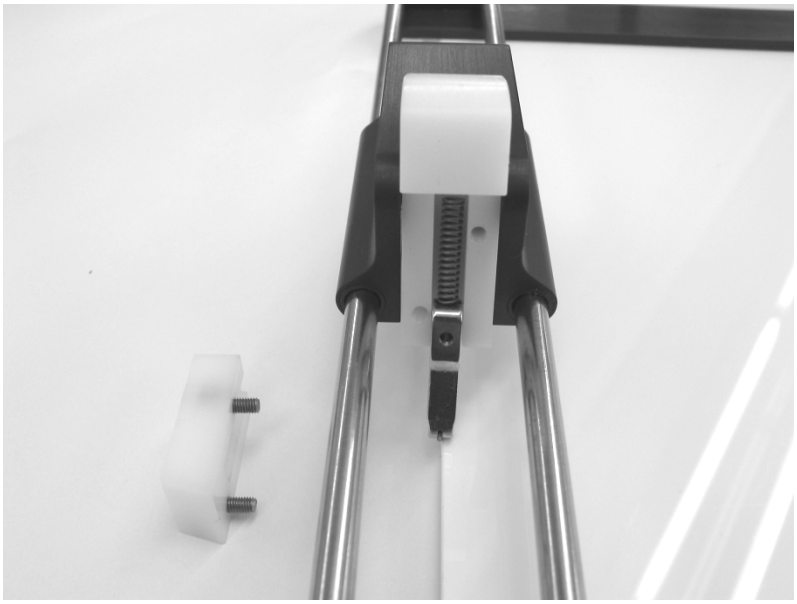

Fig.4

Press the glass cutter back to its normal upper position and tighten the screws. (Fig.5) and (Fig.6)

☞ ***Do not over tighten the screws!***

Fig.5

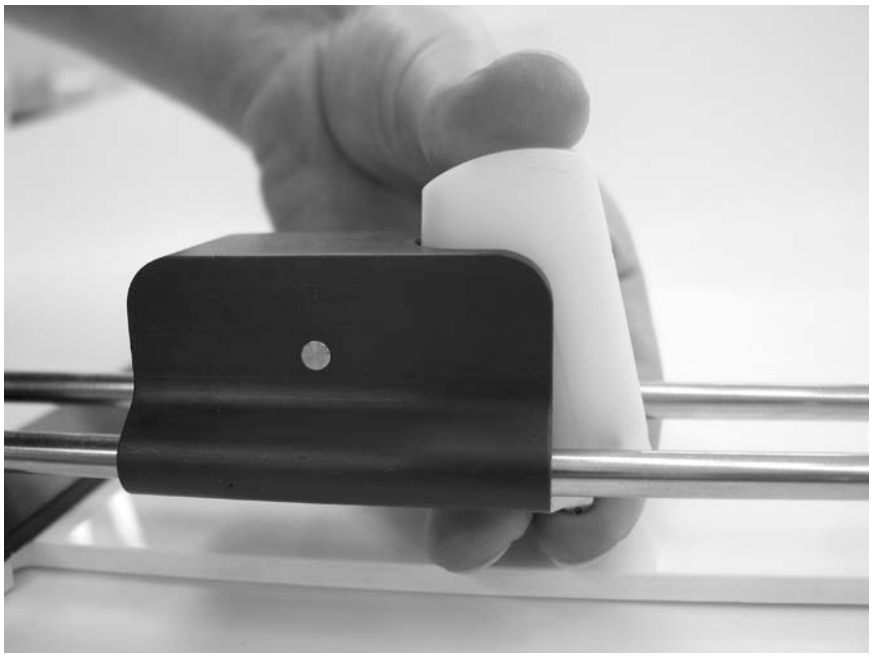

Fig.6

The number of parts and their assembly is shown in. (Fig.7)

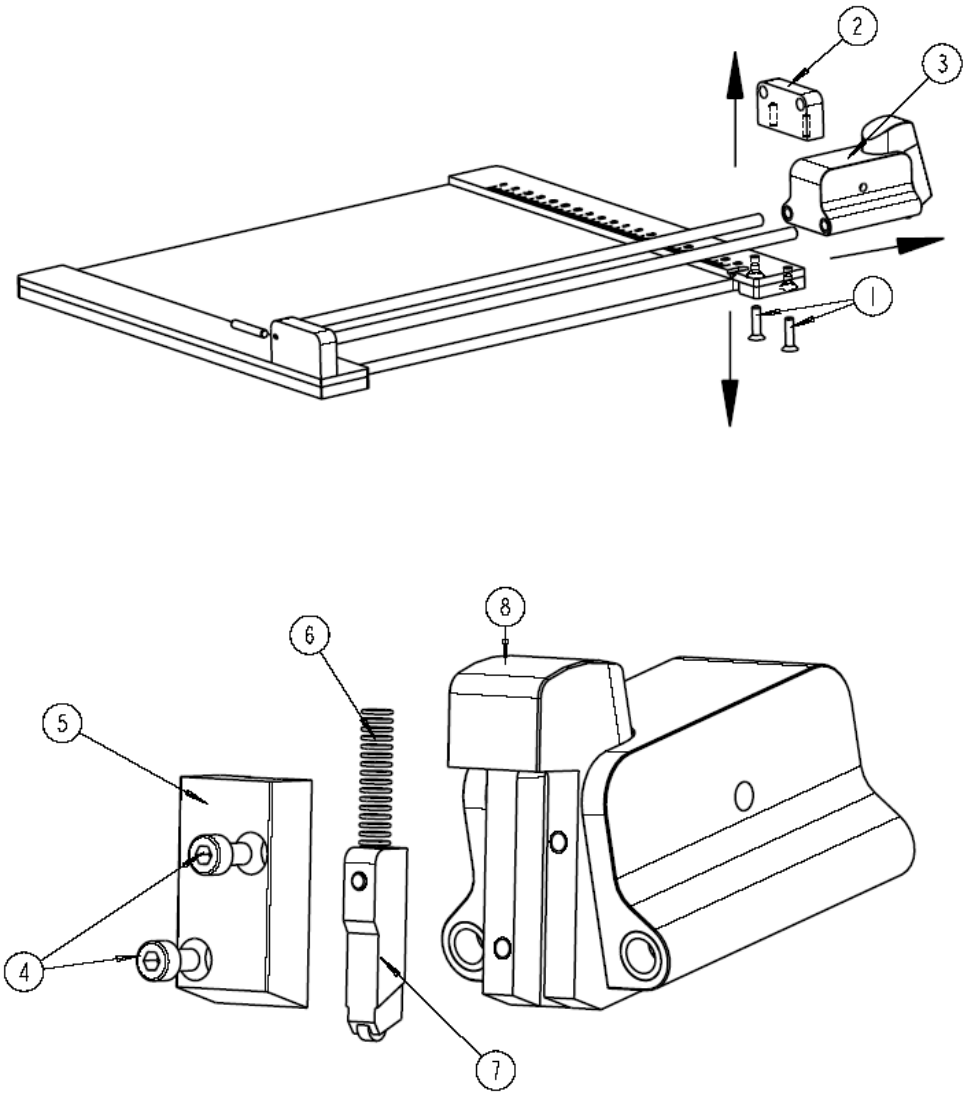

Fig. 7: parts of the smartCut: 1 = screws for shaft retainer, 2 = shaft retainer, 3 = cutter head complete, 4 = glass cutter retainer screws, 5 = glass cutter retainer, 6 = cutter spring, 7 = replacement glass cutter, 8 = cutter head

CAMAG (Switzerland) · Sonnenmattstrasse 11 · CH-4132 Muttenz 1
Telephone +41 61 467 34 34 · Fax +41 61 461 07 02 · E-Mail: info@camag.com

CAMAG (Germany) · Bismarckstraße 27-29 · D-12169 Berlin
Telephone +49 30 516 55 50 · Fax +49 30 795 70 73 · E-Mail: infoberlin@camag.com

CAMAG Scientific Inc. (USA) · 515 Cornelius Harnett Drive · Wilmington, NC 28401
Telephone 800 334 3909 · Fax 910 343 1834 · E-Mail: tlc@camag.com

www.camag.com

Notes:

Notes:

Notes:

Notes: