

Assembling of the new filter turret in an old stand:

Overview and assembling instructions:

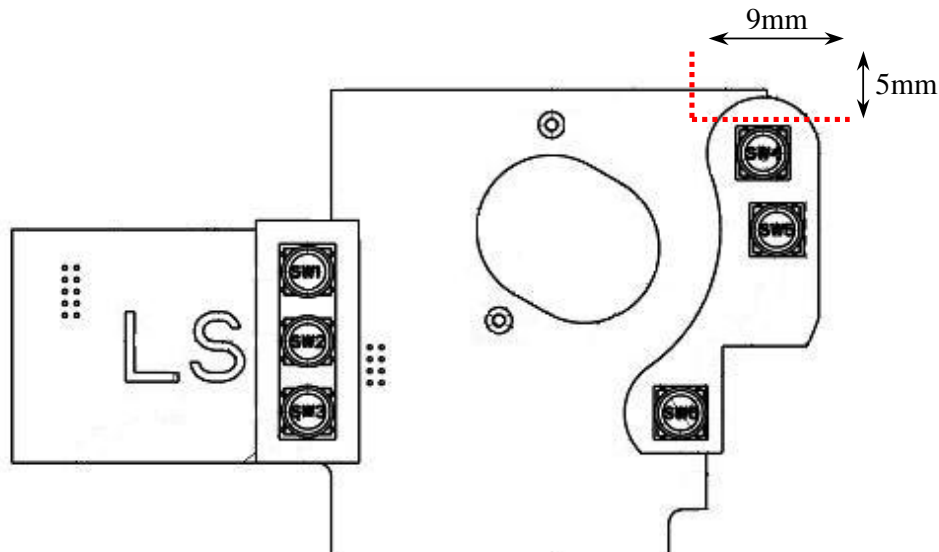
	DMI 4000 B, DMI 6000 B	
	Valentine I (old)	Valentine II (new)
Fluo turret, mot. MagChanger	11 090 144 040 000	11 090 144 440 000
Fluo turret, mot. MagChanger CLSM	11 090 144 042 000	11 090 144 442 000
Fluo turret, fixed 1.0x lens	11 090 144 044 000	11 090 144 444 000

	DMI 5000 M	
	Valentine I (old)	Valentine II (new)
Fluo turret, mot. MagChanger IND (4-fold)	11 090 145 040 000	11 090 145 440 000
Fluo turret, fixed 1.0x lens IND (4-fold)	11 090 145 044 000	11 090 145 444 000

Assembling Details:

1. You have to use the fluo turret side-cover 11 090 144 040 031, which is already assembled on the old filter turret. It is not possible to use the latest version of the side-cover.
2. The stop screw 11 710 488 631 000 on the topside of the microscope has to be unscrewed.
3. At the "button right" board 11 360 012 012 000 you have to cut the red marked corner to 5 x 9mm size.

Note: On the newer Version of the board (since BZ: 02), the corner is already removed. It is not possible to assemble the latest version of the board 11 360 012 123 000.



4. (Optional) Magnification lenses for Mag. Changer:

When exchanging an old module against a new one, the lenses for the Mag. Changer (optional 1.5x, 1.6x, 2x, 1.0x ACS) can not be used anymore. Therefore the new lenses have to be ordered. The 1.0x lens is already included in the module.

New Numbers for optional lenses:

<u>Mag.:</u>	<u>Order No.:</u>	<u>Article No.:</u>
1.5x	11888699	11 090 145 440 050
1.6x	11888377	11 090 144 440 060
2.0x	11888376	11 090 144 440 070
1.0x ACS		11 090 144 440 090 (for Confocal)

5. When assembling a CS stand you must take out the sensor board (for finding the scan position), which is included in the filter turret and must use the old mechanical limit switches. It is necessary to adjust the limit switches after assembling.
6. **Important:** Turrets for CS stands have a mirror for the confocal scanner which has to be adjusted when it is assembled in the stand. This adjustment is only possible with the following tools:

11 104 046 010 000 Mount
11 104 046 008 000 Mount adapter
11 107 061 000 000 Collimator
11 104 044 131 000 Mirror with crosshair

If the tools are not available the exchange of the Turret needs to be done in factory (Wetzlar).
