

Tecan LS Reloaded™

Fluorescence laser scanner for measurements of microarrays in the life sciences. The instrument is characterised by high flexibility regarding compatibility against different types of samples and coexistent high optical resolution. Samples may for instance be arranged on microscope slides (up to 4 slides in an adapter) or on a membrane with a size of up to 105 mm x 75 mm.

Modules:

- Tray transport
- Housing

Tasks and responsibilities:

- Coordination of external mechanical designers and suppliers
- Concept development of tray transport
- Detailed engineering of large areas of the tray transport (excl. preparation of drawings)
- Concept development of the movement of the housings flap: definition of the travel and position of the hinges



Fig. 1: Tecan Connect™ (in front) in combination with Tecan LS Reloaded (background)
Tecan Connect: left: tower with gripper; right: two magazines to store microplates
Photo courtesy of Tecan Group Ltd.