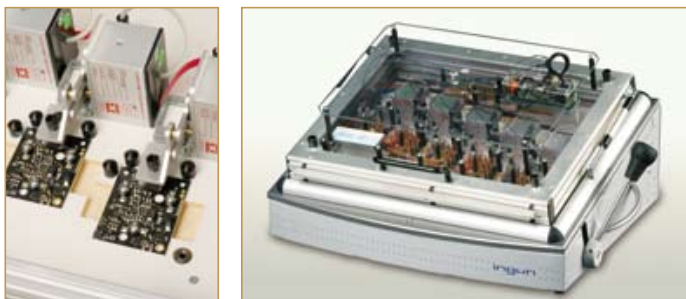


# Manuel Test Fixture MA 2135/D/H with ZSK Unit (for contacting from above)



*"Good" marking with symbol and color*

## The testing demand as per specification:

The testing demand requires contacting the PC-Board with Test Probes. The subsequent "good" marking must be applied on the same side. The functionality of the LEDs on the PC-Board is to be tested via sensors. To allow the Manual Fixture to be used for a number of projects, the concept should choose an Interchangeable Fixture Kit design.

## The realization:

The PC-Boards are placed on the Fixture with the Test Pads on the topside. The PC-Boards are marked with a color and a symbol after successful testing. Because the stamp cushion of the Marking Unit can only be stored horizontally, contacting of the PC-Board must also be done from above.

The contacting from above (ZSK-Unit) with the Test Probes and the LED-Test is float-mounted to the Pressure Frame Plate. During contacting the ZSK Unit is precisely registered via guide pins in the upper Probe Plate and matching guide bushes in the lower Probe Plate. At the same time the Optical Beam Waveguides, which are let into in a black plastic tube, are approached. The Optical Beam Waveguides are guided into the evaluation electronic, which is assembled on the anti-static Pressure Frame Plate.

The transfer field between the Pressure Frame Plate and the Probe Plate transmits the electronic signals onto the Intermediate Interface inside the Interchangeable Kit to 96-way connectors.

