

## LIGHTING TECHNOLOGY

### CLASSIFICATION OF ASSEMBLY INSPECTION EQUIPMENT BY LIGHT TYPE:

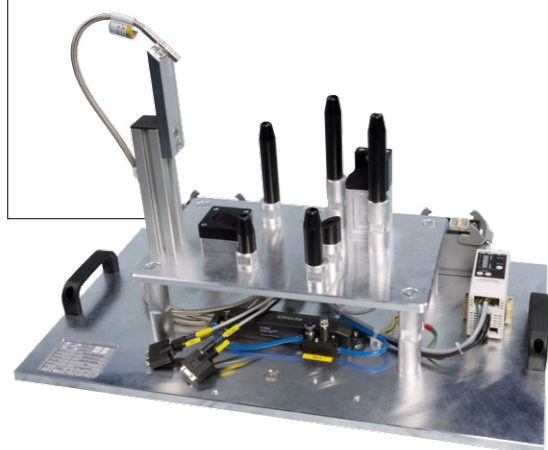
- A. Front headlamps
- B. Rear lamps
- C. Single-purpose lights (direction indicators, fog lamps)

### CLASSIFICATION OF UNIVERSAL MACHINES:

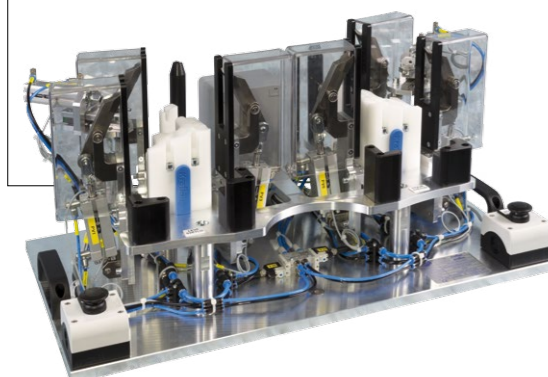
- 1. Screwing machines
- 2. Assembly machines
- 3. Inspection machines
- 4. Laser machines
- 5. Combined machines

### FUNCTIONALITY OF THE ASSEMBLY INSPECTION EQUIPMENT:

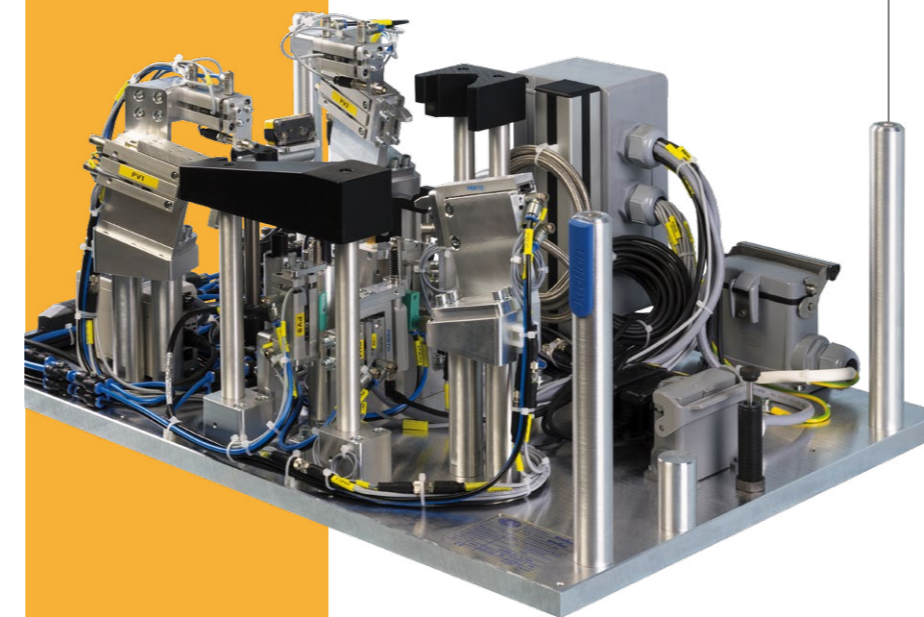
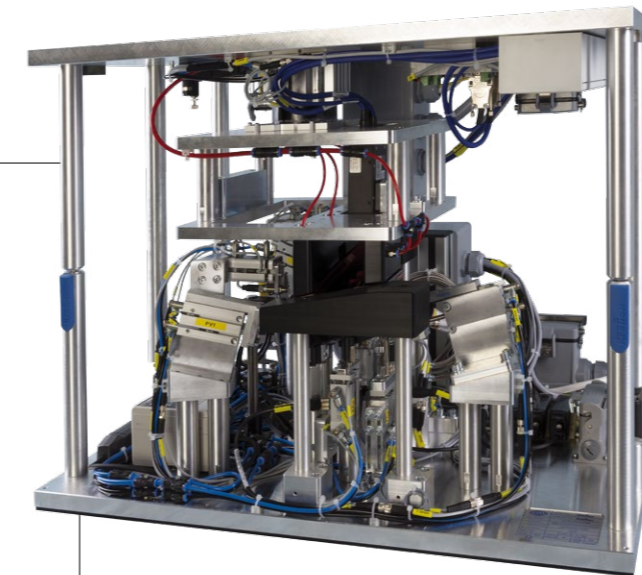
#### 1 Assembly fixtures



#### 2 Screwing fixtures

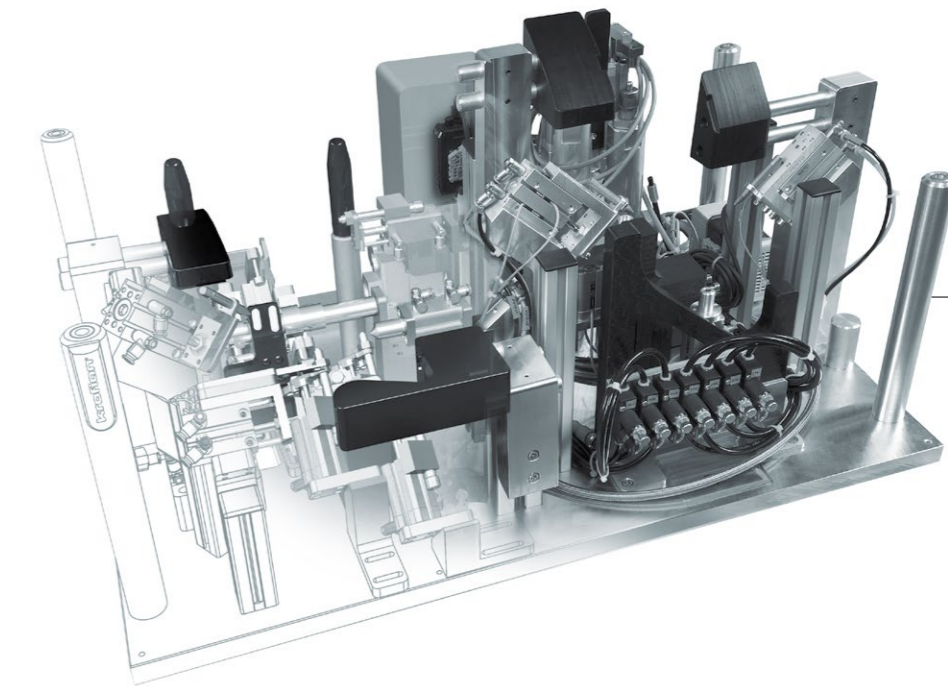


**9** Fixtures for final function tests  
light colour, intensity of light, inspection of the lamp's electrical interface



#### ADVANTAGES:

- Compact solution to assure the minimum installation dimensions
- Standardized connection elements
- Quick system providing quick exchange of fixtures
- Universal application of the assembly and inspection stations



THANKS TO OUR SIXTH SENSE WE FIND THE ESSENCE OF THINGS, WHICH LEADS TO OUR SUCCESS.



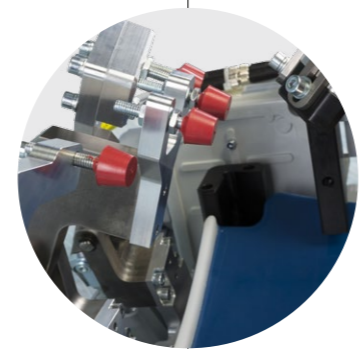
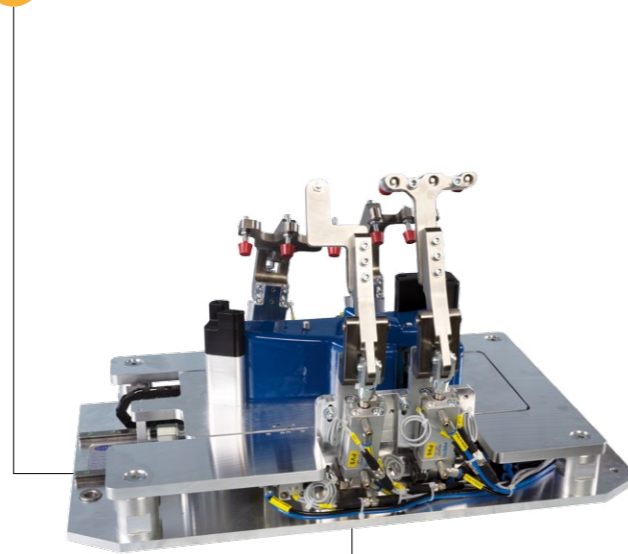
KROFIAN CZ develops and produces customized assembly inspection equipment.

The modular technological devices can be of variable dimensions and they are adapted for easy operation. Depending on the task, the state-of-the-art optical and electronic measuring systems used in the production processes in the automotive industry are integrated into these systems.

The equipment is consequently inserted into a universal design module that will remain preserved even in case of adaptations to specific equipment in the future.

**the sense of technology**

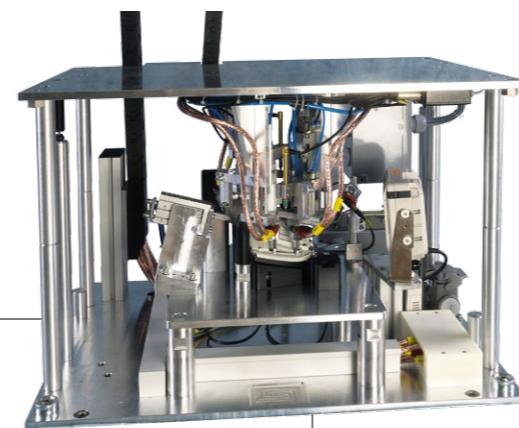
**3** Laser welding fixtures



**4** Pressing fixtures

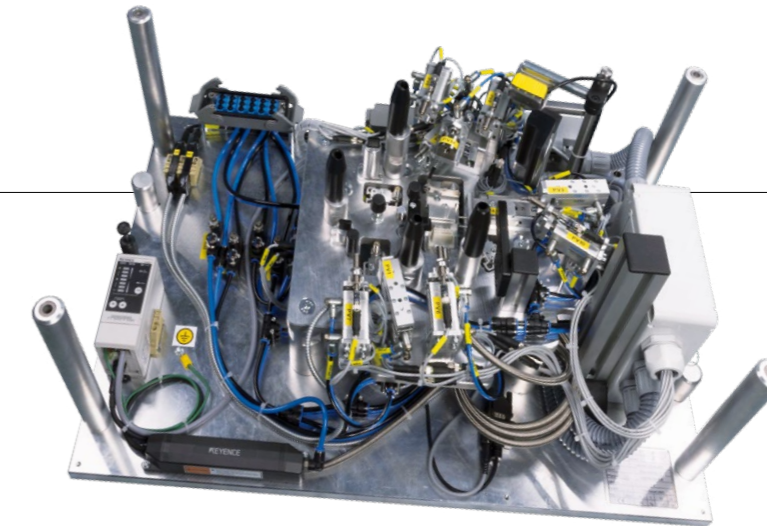


**5** Riveting fixtures  
electro -magnetic riveting, hot riveting



**6** Cleaning fixtures  
to clean the interiors of assembled lamps using pressurised ionized air

**8** Tightness test fixtures



**7** Welding fixtures  
ultrasonic welding, heat punchers, laser welding

