

# High Load Capacity for your empowerment

With the optional high load capacity unit on the YXLON Cheetah EVO, we are closing a gap that greatly expands the flexibility of the microfocus X-ray and CT system.

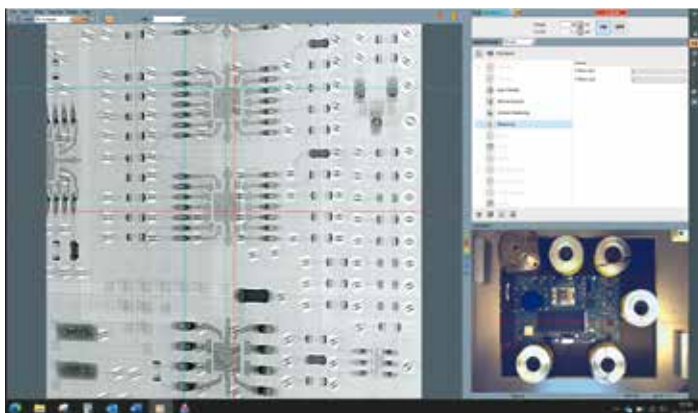
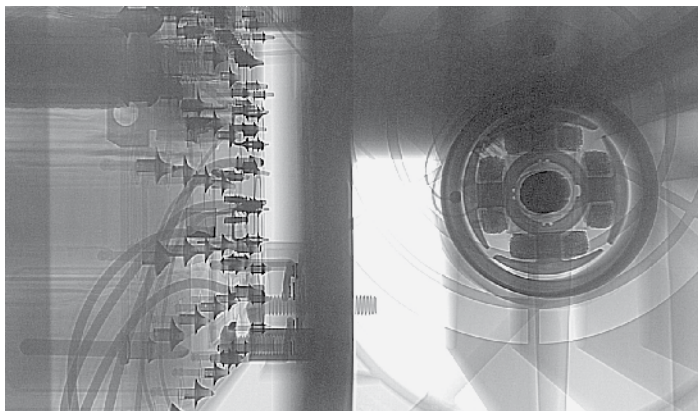
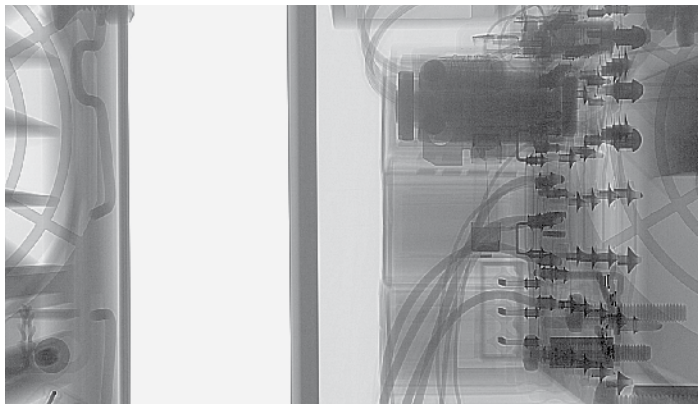


**YXLON**  
Cheetah **EVO**

**20  
kg**

High Load  
Capacity





While common quality inspections in the manufacturing electronics industry such as SMT usually get by with a maximum loading of the inspection part carrier of 2 - 5 kg, the high loading capacity of up to 20 kg offers two fundamental advantages:

#### **Inspection of electronic interconnects in fixed packages**

Modern manufacturing is constantly finding new methods to increase efficiency. Whether power supply units or control components of e-vehicles, the complex electronics are often mounted in tightly sealed housings and must be subsequently checked to ensure they are free of defects. With a conventional tray, the power supply units would have to be opened and, in the case of encapsulated boards, parts of the boards would have to be cut out for fault analysis.

The example shows three power supplies, each weighing just under 5 kg.

The mechanics of the Cheetah EVO's optional high-load unit enable easy, smooth, and precise traversal of a load of up to 20 kg to display the smallest details in high resolution and high contrast even in the micrometer range, in this case, THT (through-hole technology) solder joints inside the aluminum housing.

#### **Inspection of multiple components simultaneously**

Every X-ray inspection requires time and additional time for loading and unloading the inspection part. Inspecting several parts at the same time, as in the picture above right, reduces this effort many times over. Visually capturing and manually analyzing the interior of several parts in one inspection sequence or conveniently separating and evaluating the objects at a separate evaluation station using software – that's efficiency at the highest level.

**YXLON**

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