B2secure AI neural network can be installed both on new X-ray TV systems and on the models of B2scan product line that are already in operation.
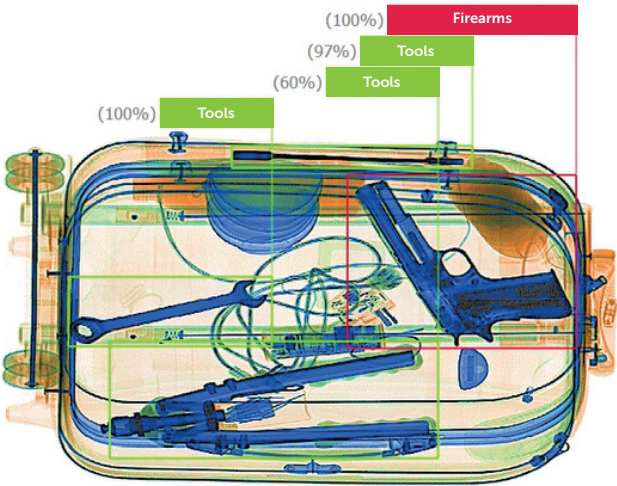
B2secure AI neural network

The **B2secure AI Neural Network** is a function that automatically detects dangerous and prohibited objects using artificial intelligence. This function analyses, the atomic effective number of the substance (Zeff), the optical density factor of the substance (Gray) and the shape of objects in the image, which makes it possible to detect effectively in automatic mode dangerous and prohibited objects such as: firearms and their parts (breech blocks, barrels, magazines), flammable and explosive substances (explosive devices, grenades, checkers), ammunition (cartridges, bullets), blades (knives, bayonets, scissors), police equipment (handcuffs, batons, stun guns, electric shockers, blunt weapons (brass knuckles, hammers), pressurised cylinders, electronics, acids, lighters, glass containers, tools, pyrotechnics (fireworks, firecrackers, clappers), batteries and much more.

When detected, the dangerous object is automatically highlighted in a colored box, with a comment and a percentage probability of matching the reference objects.

There is also the possibility to individually enable/disable automatic detection of specific categories of dangerous objects, and a wide range of individual marking settings in terms of color, thickness, frame and text, clarifying comments, automatic belt stop and/or light and sound alarms.