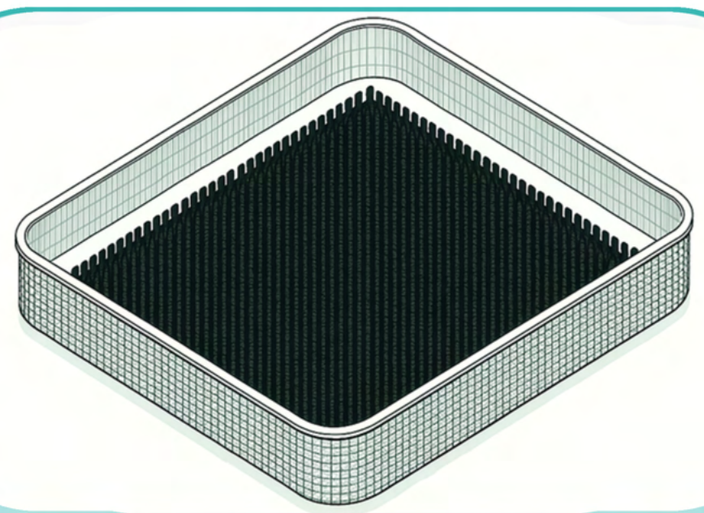
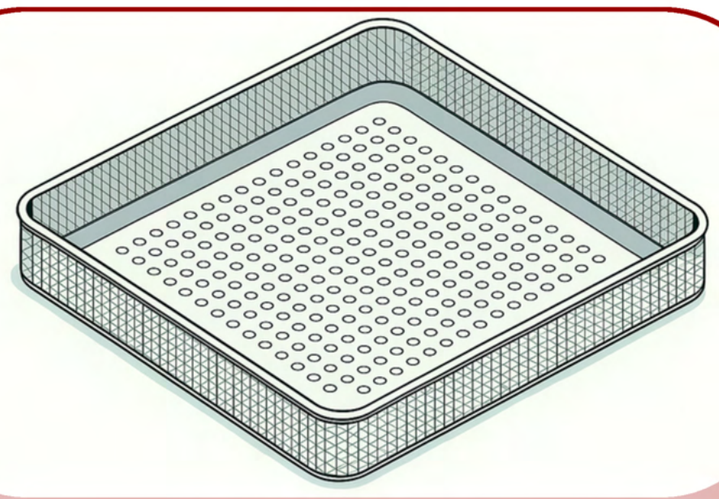
caretag®

Packing Rules

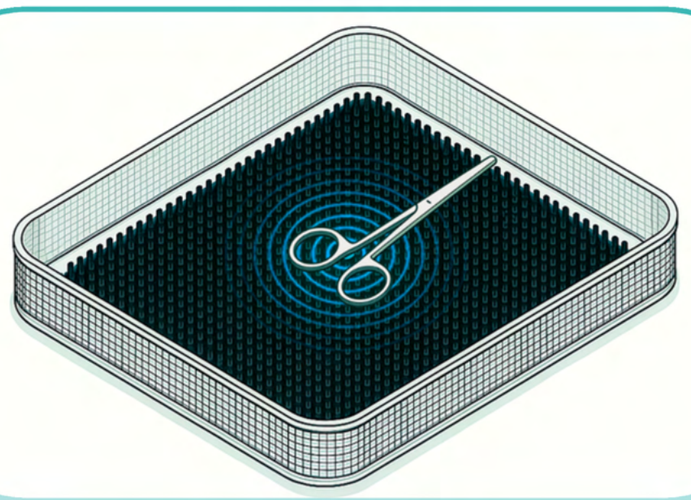
Follow these guidelines for optimal RFID scanning.



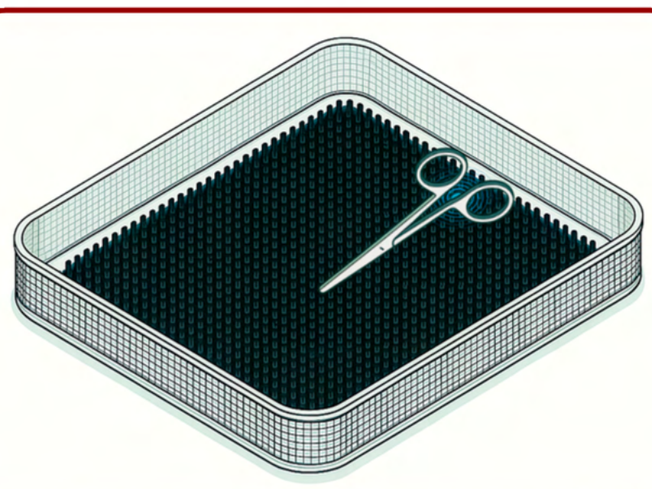
Place a silicone mat or paper inside the tray.



Do not use an empty tray.



Place RFID tags near center.



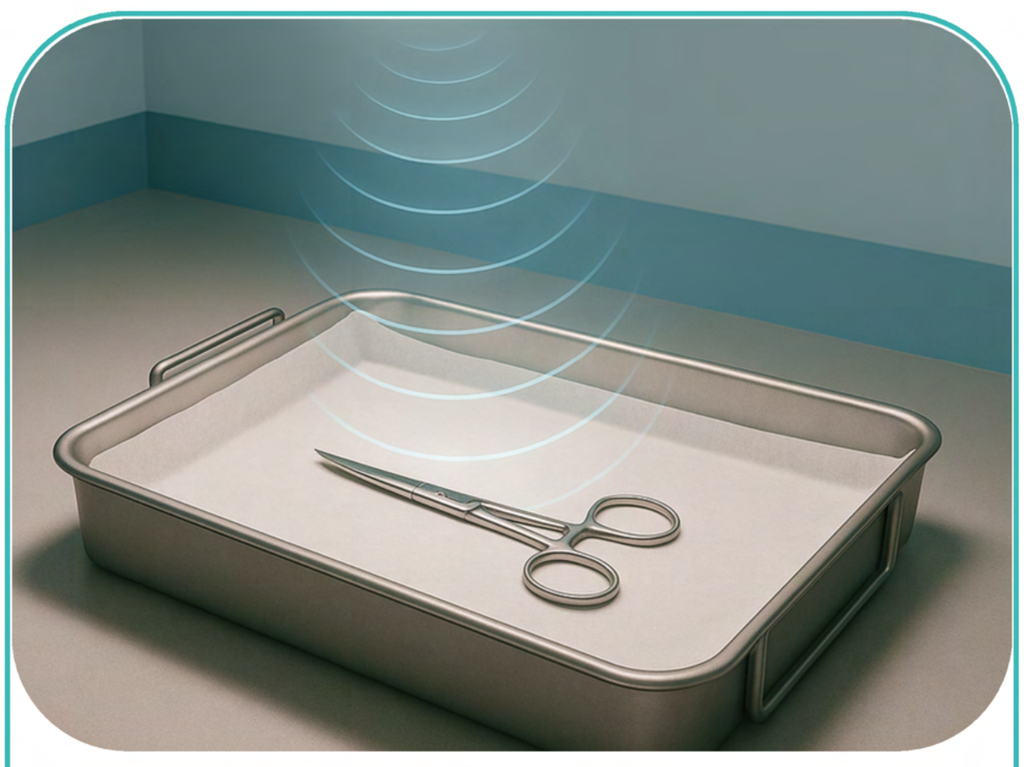
Keep RFID tags away from tray edges.

Position RFID tags down towards the tray.

Avoid placing RFID tags facing up.

RFID Explainer

The Packing Rules reflect the physics of RFID to support dependable, consistent scanning.



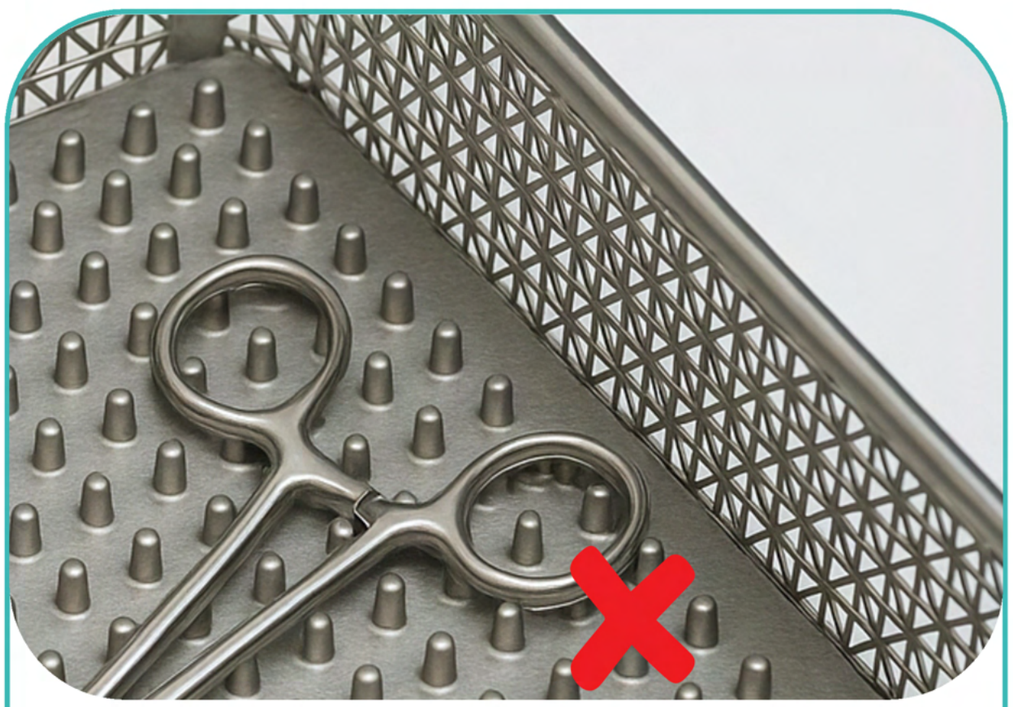
Adding a paper liner or silicone mat helps separate the instruments from the metal tray.

This keeps each RFID signal clear and strong.

Just like a lamp shines brightest in the middle, **the RFID signal is strongest at the center of the tray**. Tags placed at the edges is not read as clearly, as they are “in the dark”.

Placing the RFID tag facing downward helps strengthen the signal, as the tray reflects and amplifies it.

If the tag faces upward, this reflection doesn’t happen and the signal may be harder to scan.



If the RFID tag touches the corner of the tray, the signal may be blocked or weakened.

Corners act like blind spots, making it harder for the system to detect and read the tag correctly.