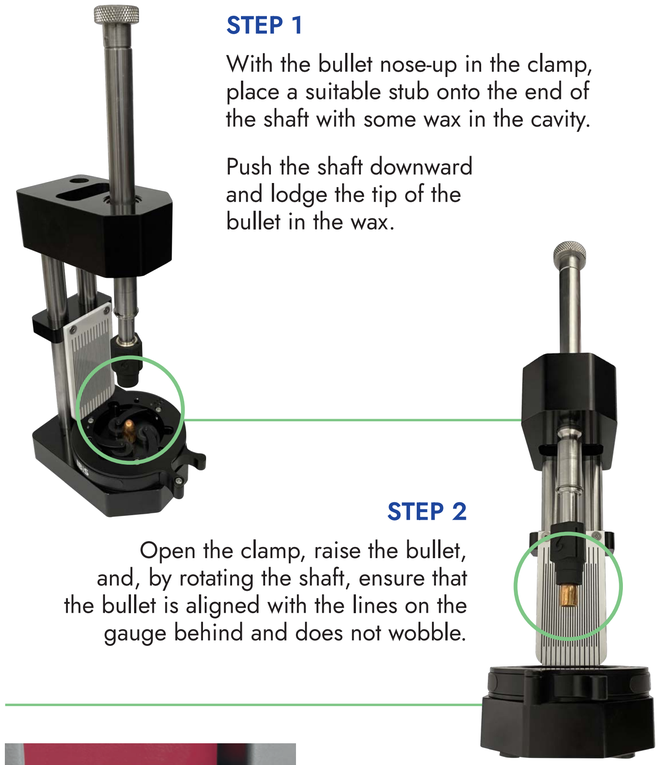
IBIS | BULLETTRAX

Pristine Bullet Acquisition

① Mounting



STEP 1

With the bullet nose-up in the clamp, place a suitable stub onto the end of the shaft with some wax in the cavity.

Push the shaft downward and lodge the tip of the bullet in the wax.

STEP 2

Open the clamp, raise the bullet, and, by rotating the shaft, ensure that the bullet is aligned with the lines on the gauge behind and does not wobble.

STEP 3

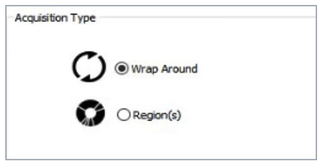
Load stub onto BULLETTRAX shaft.

FOR AN OPTIMAL ACQUISITION, ENSURE BULLET IS CLEANED BEFORE LOADING.

② Acquisition

STEP 1

Pristine bullets should be acquired as 'Wrap-Around'.



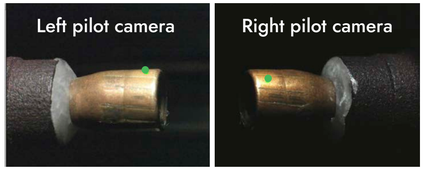
STEP 2

Where possible, set the start position at the base of the bullet on a groove-engraved area (GEA).

IT MAY BE NECESSARY TO SET THE START POSITION FURTHER UP THE BULLET WHEN THE BASE IS DAMAGED OR CONTAINS NO RIFLING INFORMATION (LEAD, BOAT-TAIL).

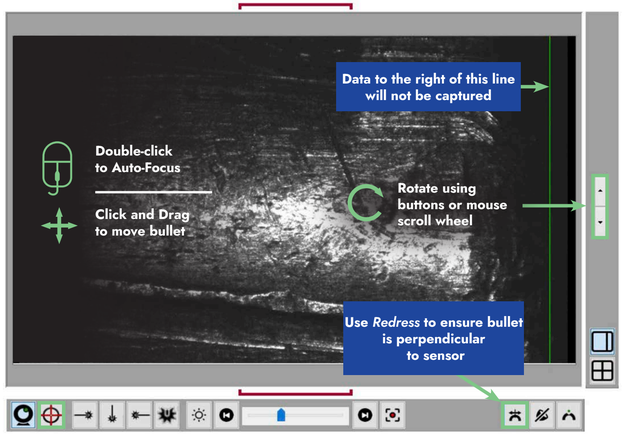
STEP 3

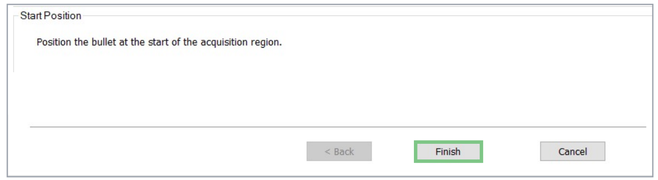
Rotate bullet 360°, ensuring no LEA information is cut off by the green bullet tail limit indicator.



Within the Left and Right pilot camera views, the green dots indicate the acquisition camera's field of view. Set a target point using red crosses in the pilot camera views. Navigate to the target point using 'Move-To' button on toolbar.

Bullet Manipulation





STEP 4

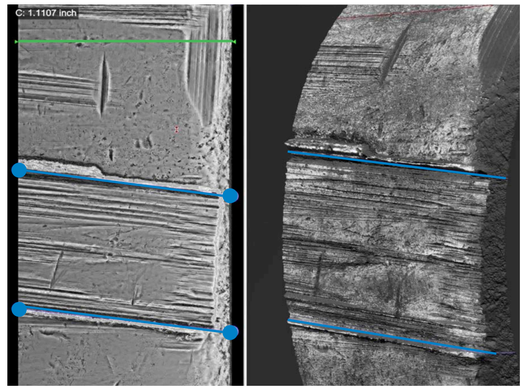
Click 'Finish' to set start position. Acquisition starts automatically.

9MM LUGER ACQUISITION TIME: 10-12 MINUTES.

③ Validation

STEP 1

Check image quality and adjust anchor lines where necessary so they are placed inside the upper and lower shoulders of each LEA. The angle of the anchor lines should match the angle of the LEA striations.



STEP 2

The green line indicates the acquisition start position. Right-click on the first LEA below this line and label it LEA1. All other LEAs and GEAs are labelled in sequence.

Shape | LEA/GEA Width | Acquisition Information

ROI	LEA	GEA
1	0.0553 inch	0.1288 inch
2	0.0544 inch	0.1303 inch
3	0.0529 inch	0.1299 inch
4	0.0542 inch	0.1307 inch
5	0.0547 inch	0.1290 inch
6	0.0544 inch	0.1292 inch

STEP 3

Click 'Save & Close' to save the bullet exhibit and close the validation screen.

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