Vessel documentation

amphore.obj

Model views, radial profile and measured cutting planes. All lengths assume that the source OBJ coordinates are in millimetres.

Object and dimensions

Object type	Complete vessel
Axial model height	245.274 mm
Observed radius range	0 - 56.991 mm
Maximum radial envelope diameter	113.983 mm
Original vertices / triangles	9483760 / 18967506
Loaded textures	1

The radial envelope is derived from the surviving model; it is not a measurement of a reconstructed complete vessel.

Material thickness

Wall thickness	3.6 mm to 11.0 mm
Base thickness	Not determinable

Extrema of sampled local material-thickness measurements in the original 3D mesh. The connection must remain within one material region; a nearby opposing surface alone is not sufficient. Unsampled details may differ. Insufficient surface data is reported as not determinable.

Selected rotation axis

Axis selection	Automatic; geometrically plausible
Point X / Y / Z [mm]	-2.81918 / -5.392937 / 127.121864
Unit direction X / Y / Z	-0.016461 / -0.004887 / 0.999853
Median normal deviation	1.145 degrees
Profile residual	0.252 mm
Angular coverage	359.7 degrees

Rotational-form residuals [mm]: profile 0.252 · circles 0.200 · center offset 0.195

Projection sensitivity [mm]: radius 0.400 · diameter 0.800 · height 0.143

Coordinate frame and processing

Frame origin X / Y / Z [mm]	-2.81918 / -5.392937 / 127.121864
Horizontal X direction	0.999811 / 0.010275 / 0.016511

Front view



0 50 mm

Scale 1:1.269

Reduced to fit A4; print at 100%

Vessel half section - texture

Left: observed exterior color. Right: observed wall section; unknown inner floor and base thickness remain unknown.



0 50 mm

Scale 1:1.279

Reduced to fit A4; print at 100%