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Draft – Layout

3D Visualization of Cuneiform Tablets – Collection of the *Assyriologie, Heidelberg* and *VAM, Berlin*

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May 5, 2024

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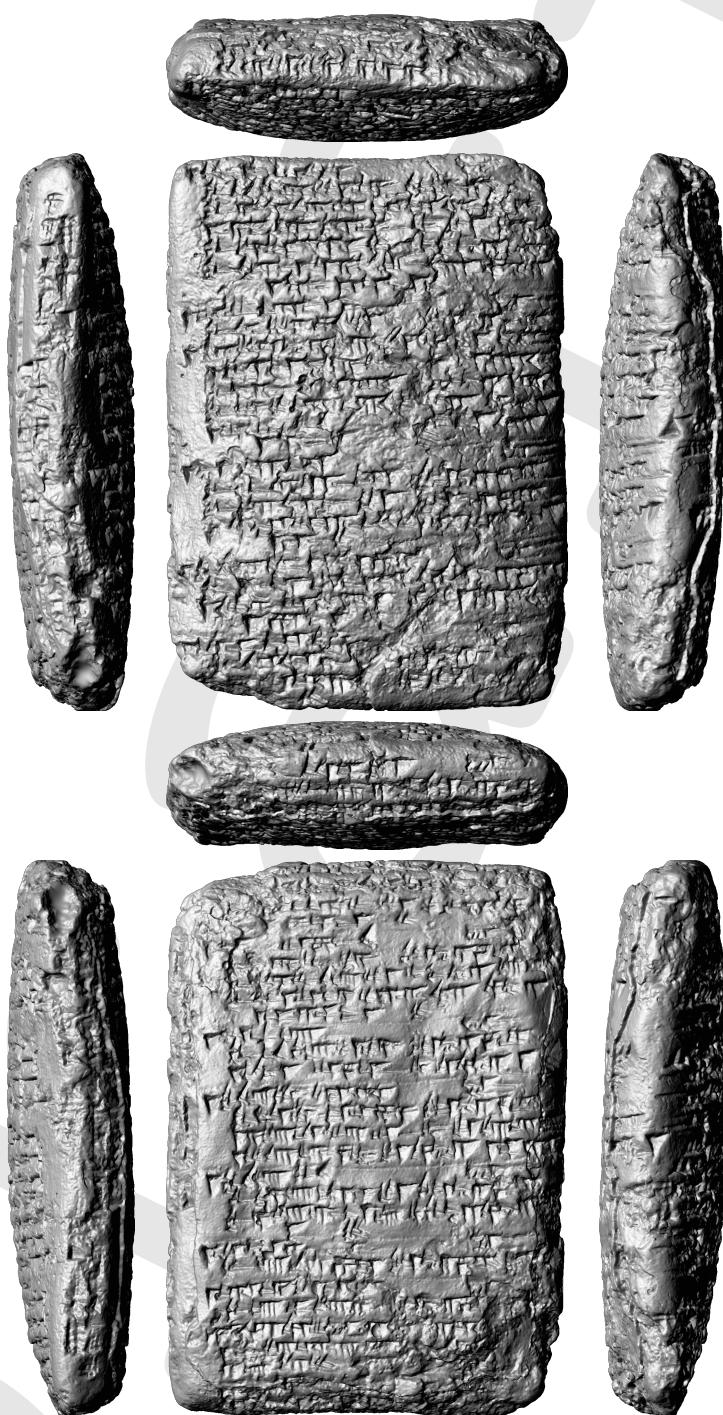


Figure 1: TCH.92,G.127 with monochrome texture map – 8 views, scale 1 : 1.5

Max. dim.	$79,6 \times 110,5 \times 25,3\text{ cm}$	Surface, acq.	$23\,442\text{ mm}^2$
Vertices	4 466 245	Res., avg	191 mm^{-2}
Faces	8 932 486		351 DPI
Material	cast copy, gypsum	Volume, est.	141 cm^3



Figure 2: TCH.92,G.127 with MSII texture map – 6 views, scale 1 : 1.5

Max. dim.	$79,6 \times 110,5 \times 25,3\text{ cm}$	Surface, acq.	$23\,442\text{ mm}^2$
Vertices	4 466 245	Res., avg	191 mm^{-2}
Faces	8 932 486		351 DPI
Material	cast copy, gypsum	Volume, est.	141 cm^3

Key data of the 3D-models

Inventory No.	Max. dimension [cm]	Vertices $ \mathcal{L}_p $	Faces $ \mathcal{L}_t $	Surface [mm ²]	Res., avg. [mm ⁻²]	Vol., est. [cm ³]	Material
TCH.92,G.127	79,6 × 110,5 × 25,3	4 466 245	8 932 486	23 442	191	141	cast copy, gypsum

Explanation of the table's columns:

- *Max. dimension* shows the length of the edges (width, height, thickness) of the so-called bounding box of the 3D-model of an oriented tablet.
- *Vertices* $|\mathcal{L}_p|$ shows the number of measuring points \mathbf{p} of the final 3D-model.
- *Faces* $|\mathcal{L}_t|$ shows the number of triangles \mathbf{t} connecting the measuring points.
- *Surface* shows the acquired area of a tablet. It is computed as sum of the area of all triangles \mathbf{t} .
- *Res., avg. – average resolution*: number of measuring points divided by the *surface*.
- *Vol., est. – estimated volume*: computed using the 3D-model and only given for tablets, where $>\approx 95\%$ was acquired.
- *Material* is noted as it influences the quality of the text image. Cast copies in general do have a lower quality of the text image than originals – especially casts using ceramic.