


ABW-FIT

Software for to orientate 3D images of several views of an object

 <p>Egyptian statue of a jackal (symbol of god Anubis), 78 fitted images, each separately colored.</p>	<p><i>Using the lineprojectors of ABW and standard CCD-cameras you may get the 3D-shape of the visible side of an object. To get the whole shape the object has to be digitized from different aspects. The different 3D-images of the views can be oriented using the overlap of the images. The images are virtually moved and rotated till the gap is minimized.</i></p> <p style="text-align: center;">Functionality</p> <p>reunites different views of an object using the overlap automatic process using linear and rotatory stages high speed: for example 8 images each rotated 45 degrees to the next may be digitized within 90 seconds using a rotatory stage hierarchical data structure enables grouping of datasets for efficient manipulation and to get a general idea of big amounts of data manual operation to include images of special views simply by clicking some corresponding points in the images adding some further images at each time possible</p>
<p style="text-align: center;">Applications</p> <p>All kind of image processing of static objects if geometric information is needed from different sides of the object: Quality control in production, archeology, medicine, virtual reality etc.</p>	<p style="text-align: center;">Features</p> <p>ABW-FIT is integrated into the graphical front-end software ABW-VIS for optimal functionality in interactive work same user interface for measurement and fitting integrated workflow: scanning - visualization - fitting visualization using Open GL language. This results in optimal graphic power of the latest 3D graphic accelerator cards supports as many projectors, cameras, 3D-images as you need whether they are b/w or color, analog or digital at each resolution. Limitation are only computer memory and time for calculation.</p>
<p>Subject to change without notice</p>	<p>Date: 07/02</p>

