

# INFORMATION REPORT

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COUNTRY East Germany  
SUBJECT Development and Proposed Manufacture of Roentgen Diascope by Optik Carl Zeiss Jena VEB  
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1. VEB Carl Zeiss Jena has developed a Roentgen diascope which will be manufactured and sold in 1953. The diascope is suited for projection of films or plates up to dimensions of 50 by 50 centimeters; the center part of a picture, in a radius of 40 centimeters, will be fully illuminated. The diascope is provided with a variable diaphragm which permits projection of smaller-size pictures or of parts of pictures of all sizes.
2. Following are data on the diascope:  
Total height:-----about 285 cm  
Length:-----about 150 cm  
Width:-----about 90 cm  
Weight:-----about 270 kg  
  
Light source: a special projection lamp of 1,000 Watts, 110 Volts, connected to the AC network of 220 Volts by a transformer which is built into the diascope.  
Projecting objective: 100 cm focal distance.  
Projecting beam: in about 240 cm height.
3. The diascope can project in distances of six to ten meters. At a distance of ten meters, a picture of 35 by 35 centimeters size will be projected to a picture of 3.15 by 3.15 meter size. The diascope is able to project wet negatives.
4. The diascope is mounted on rolls with ball bearings so that it can be easily moved.

CLASSIFICATION SECRET

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