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## CATHODE RAY TUBE SEPARATION DEVICE (CRT)



Factory Karlstadt



Shop Assembly



After-Sales-Service



Design Department



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# CATHODE RAY TUBE SEPARATION DEVICE (CRT)



## Functional description

With the URT cathode ray tube separation device, type CRT, the so-called heat wire technology, front- and cone glasses of the cathode ray tube can be separated from each other.

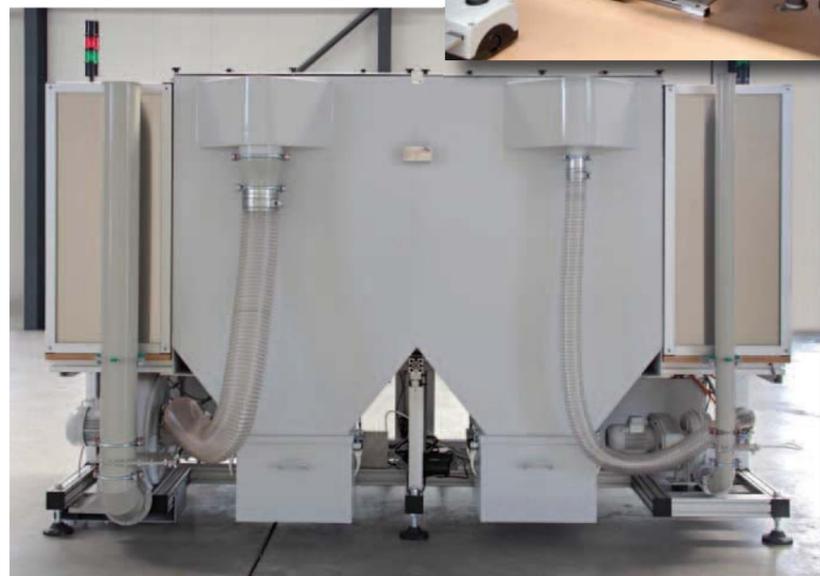
Front- and cone glass will be separated at the connecting line of both glasses. The funnel glass is the lead containing, funnel-shaped rear part of glass from the cathode ray tube.

A wire made of nickel-chromium alloy will be placed at the connecting line around the screen. The different glasses will be separated by a heating up and through the consequently resulting tension of the glass connecting line. The fluorescent layer, which could be contaminant-laden, will be manually removed by the integrated vacuum cleaner, after opening the cathode ray tube. Subsequently the different types of glasses and the separated metal parts are transported to a further reutilisation. The fluorescent layer will be pulverulent collected in a collecting container.



## Design of separation device

The separation device is consisting of aluminium profiles with partially transparent linings and is equipped with two work places which will be operated by one person. Both work places are constantly sucked off. The exhaust air will be sucked off by a dust filter. Both cabins are lighted. The suction of cabine air is separated from suction of fluorescent layer. The work bench itself is infinitely height adjustable.



## Details of the device

Treatment of different screen sizes will become essentially easier by an automatic wire tension. With a glass cutter a horizontal groove is cut at the point of separation into the glass. Thus, a better fixation of the wire is resulting. Height adjustment of screen inputs is motorized. The determination of the separation edge of both types of glass is supported by a laser contour. By means of vacuum exhauster the cathode ray tubes are fixed on both turn tables.



## Technical Data:

Main dimensions:  
Width x Depth x Height  
approx. 3200 x 1800 x 2200 mm

Transformer capacity:  
3200 VA

Total weight:  
approx. 800 kg

Machine capacity:  
depending upon size of cathode ray  
tube 50-60 cathodes ray tubes/hour

Height adjustment:  
approx. 300 mm

Safety features and equipment:  
CE standard