



Separation of Funnel and Panel Glass

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INTRODUCTION

Health and Safety

Equalize the pressure in the CRT glass body in the very beginning to prevent explosion.

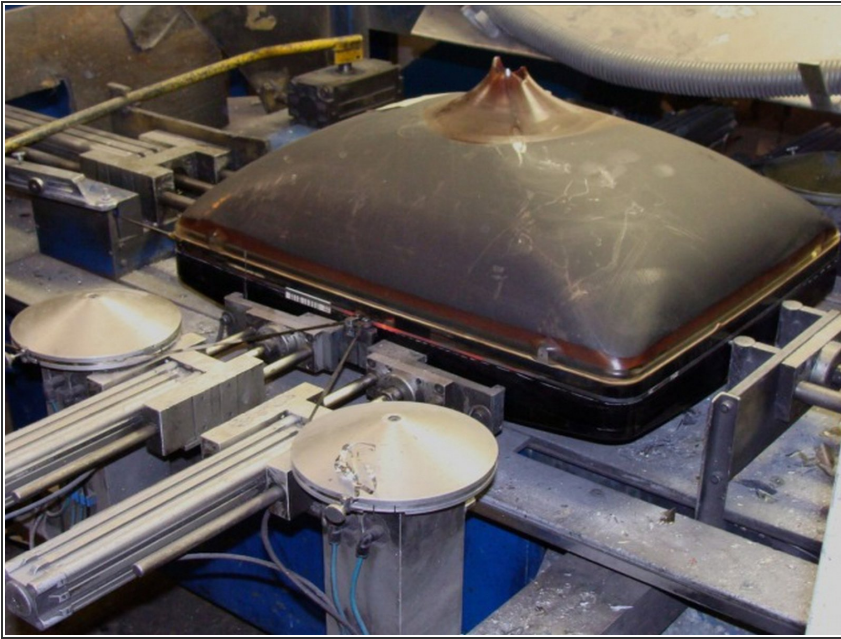
Wear protective equipment to smash the magnetic deflector with a hammer as flying splints can injure personnel.

CRTs must be handled carefully also after pressure equalizing to ensure that no substances of concern are released. CRT glass bodies should be further processed only in industrial channels with adequate facilities.

TOOLS:

- [Several screwdrivers \(T1\)](#) (1)
 - [Hammer \(T3\)](#) (1)
 - [Side cutter \(T4\)](#) (1)
 - [Pliers \(T5\)](#) (1)
 - [Industrial Scissors \(T6\)](#) (1)
 - [Power Screw Driver \(T8\)](#) (1)
 - [Flathead Screwdriver \(T2\)](#) (1)
 - [Industrial scale \(T9\)](#) (1)
 - [Putty Knife \(T10\)](#) (1)
 - [Cutting Device for CRT Glass Separation](#) (1)
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Step 1 — Separation of Funnel and Panel Glass



- ⚠ Before starting to separate funnel and panel glass, make sure the CRT is not under pressure anymore (see Step 3 of Separation and Removal of all Components).
- Place the CRT firmly in a clamp or a similar device.
- First, the metal tension ring must be removed from the tube.
- Remove sticker and other adhesive residues from the tube with a putty knife.

Step 2



- The glasses are then separated along the frit by means of a hot wire or laser-cutter.
- ⚠ If possible, avoid dust formation. Use a fume hood to minimize worker exposition.

Step 3



- Store the funnel glass in a segregated box.

Step 4



- Remove the shadow mask and place it aside separately together with the ferrous metals.

Step 5



- Carefully vacuum the phosphor layer on the inner face of the panel glass.

⚠ Avoid dust formation!

Step 6



- Store the phosphor layer or the vacuum cleaner bag containing it, respectively, separately in a bin with a cover.

Step 7



- Store the cleaned panel glass in a gaylord box.
- More information on the output fractions can be found [here](#).