

METHOD FOR MANUFACTURING COLOR CATHODE RAY TUBE**ABSTRACT OF THE DISCLOSURE**

The method is provided for manufacturing on the inner surface of a panel glass a color cathode ray tube having a phosphor screen formed of plural combinations of color phosphor stripes and carbon stripes adjacent to the each color phosphor stripe. The manufacturing method has two main processes of forming carbon stripes and forming phosphor. The former process includes the steps of coating and thermodrying photoresist on the inner surface of the panel glass, exposing the photoresist through a first correction lens system for determining a color selection mechanism and a target spot, and coating a carbon film on the inner surface of the panel glass. The latter process includes the steps of coating color phosphor slurries on the inner surface of the panel glass and thermodrying the color phosphor slurries after forming the carbon stripes, exposing the color phosphor slurry through a second correction lens for determining a target spot according to color selection and the transformation of the panel glass appearing in the color selection and the thermodrying, and developing the color phosphor slurries.

Figure 3