photosensitive layer preparation

Back membrane layer preparation

After coating the ink-absorbing layer containing hydrophilic polymers onto the polyester film, conductive black carbon is sprayed on it.

Development layer preparation

Dissolve the silver bromide particles in the gelatin solution and add sodium thiosulfate and sodium stearate. Then, evenly coat it on the protective layer. Finally, heat it with infrared rays to prevent cracking.

protective layer preparation

After uniformly coating additives such as silicon dioxide and calcium stearate on the surface of gelatin, it is dried by a hot air oven.

After each layer is hot-pressed and combined, a complete photographic paper is obtained.

Support layer preparation

Bidirectional stretched PET film, with a thickness of approximately 175-200 μm; and through high-pressure discharge, the surface tension is enhanced to improve the adhesion of the subsequent coating.

After separately filling the organic and inorganic developing agents into microcapsules made of gelatin, the microcapsules and the adhesive containing polyurethane and other components were evenly coated on the surface of the dry photosensitive layer.