

MEASUREMENT DEVICE, IMPRINT APPARATUS, METHOD FOR MANUFACTURING PRODUCT, LIGHT AMOUNT DETERMINATION METHOD, AND LIGHT AMOUNT ADJUSTMENT METHOD

A measurement device for measuring a relative position between alignment marks includes an illumination unit capable of illuminating the alignment marks at a plurality of wavelengths, a detection unit that detects light from the alignment marks, a processing unit that obtain the relative position between the alignment marks, and an adjustment unit that adjusts a relative amount between light amounts of the plurality of wavelengths so that a relative value between detection light amounts of light from the alignment marks falls within a predetermined range.

FIG. 11