

whereby said display image on said screen is visible with the image of the object on said stage when said carriage is in said second position.

24. The device of claim 23, wherein said at least one second mirror comprises a second mirror and a third mirror and optics between said second mirror and said third mirror for inverting the image reflected from said second mirror.

25. The device of claim 24, including a collimating lens mounted between said light source and said stage.

26. The device of claim 25, including a condensing lens mounted between said first mirror and said second mirror.

27. The device of claim 26, wherein said optics include at least one lens selected from the group consisting of magnifying lenses and achromats.

28. The device of claim 23, wherein said at least partially translucent screen includes a backlit portion.

29. The device of claim 28, including a processor connected to said screen and an input device for causing said processor to display information on said screen.

30. The device of claim 29, wherein said input device includes a keyboard.

31. The device of claim 28, including a processor operably connected to said screen and an input device for causing said processor to display alphanumeric information on said backlit portion of said screen and graphical information on a partially translucent portion of said screen.

32. The device of claim 29, wherein said input device is operably connected to said processor.

33. The device of claim 23, wherein said stage is transparent.

34. The device of claim 23, wherein said lens block holder is located beneath the object on said stage when carriage is in said first position.

35. The device of claim 23 wherein said display image comprises alignment markings.

36. The device of claim 35, wherein, when the alignment markings on said screen are aligned with the image projected onto said screen, the object on said stage will be properly positioned for blocking when said carriage is in said first position.

37. The device of claim 23, wherein said screen comprises a liquid crystal display including a backlight operably associated with a portion of said liquid crystal display.

38. An image alignment device comprising:

a liquid crystal display having a first region and a second region and a first side and a second side;

a backlight mounted over said first region of said second side;

a processor operably connected to said liquid crystal display for generating an image on said liquid crystal display; and

a projector for projecting an image against said second region of said second side;

whereby the generated image on said liquid crystal display second portion is superimposed over the projected image when said display screen is viewed from said first side.

39. A lens alignment device comprising;

a stage for supporting a lens blank;

an at least partially translucent screen having a first side and a second side;

an image generator for generating an image on said screen; and

a projector for projecting an image of the lens blank on said stage against the second side of said screen;

whereby, when said screen is viewed from said first side, the generated image is combined with the lens blank projected image.

40. The device of claim 39, wherein said at least partially translucent screen comprises an LCD.

41. The device of claim 40, wherein said LCD includes a backlight.

42. The device of claim 40, wherein said LCD includes a first region and a second region and a backlight mounted over only said first region.

43. The device of claim 39, wherein said projector includes a light source disposed on a first side of said stage and at least one mirror disposed on a second side of said stage.

44. The device of claim 39, wherein said projector includes optics for inverting and magnifying the lens blank image projected by said projector.

45. The device of claim 39, wherein the image generator comprises a computer processor.

46. A method of blocking a lens blank comprising the steps of:

providing an at least partially translucent screen having a first side and a second side;

providing a stage;

placing a lens blank on the stage;

generating alignment markings on the screen;

projecting a non-inverted image of the lens blank supported on the stage against the second side of the screen;

moving the lens blank with respect to the stage while viewing the image on the first side of the screen until the image of the lens projected on the screen is aligned with the generated alignment markings on the screen;

providing a lens block bearing an adhesive at predetermined location adjacent the stage; and

moving the lens block from the predetermined location into contact with the lens blank to adhere the lens block to the lens blank.

47. A lens blocking device comprising:

a frame;

a light source mounted to said frame;

a carriage having a first end and a second end mounted for movement between first and second positions with respect to said frame;

a first mirror mounted on said carriage first end;

a lens block holder mounted on said carriage second end and shiftable between third and fourth positions with respect to said carriage;

a transparent stage having an opening mounted between said light source and said carriage;

a LCD having a first region and a second region and a first side and a second side, mounted on said frame;