WHAT IS CLAIMED IS:

1. A workpiece management method comprising:

a frame unit forming step of forming a frame unit with a workpiece that has a front surface, the front surface including devices formed in respective regions defined by a plurality of intersecting streets, and that is supported in an opening of an annular frame via a resin sheet;

a printing step of, after performing the frame unit forming step, printing identification information of the workpiece on the resin sheet in an area between an outer periphery of the workpiece and an inner periphery of the annular frame;

a processing step of processing the workpiece by a processing machine;

a separation step of separating the processed workpiece from the resin sheet; ~~and~~

a storage step of storing the resin sheet from which the workpiece has been separated; and

an inspection result acquisition step of, after performing the printing step and the separation step, inspecting processed conditions from a processed mark remaining on the resin sheet, reading the identification information on the inspected resin sheet, and acquiring

the processed conditions of the workpiece in association with the identification information.

~~2. The workpiece management method according to claim 1, further comprising:~~

~~an inspection result acquisition step of, after performing the printing step and the separation step, inspecting processed conditions from a processed mark remaining on the resin sheet, reading the identification information on the inspected resin sheet, and acquiring the processed conditions of the workpiece in association with the identification information.~~

2~~3~~. The workpiece management method according to claim 1, wherein the identification information includes identification information of the workpiece, processing conditions in the processing step for the workpiece, or information regarding a date on which the processing step was performed on the workpiece.

3~~4~~. A sheet cutting machine comprising:

a cassette mount section configured to mount thereon a cassette that holds a frame unit, the frame unit being formed from an annular frame and a workpiece supported in an opening of the annular frame via a resin sheet, after processing of the workpiece, formation of a processed mark on the resin sheet, and separation of the

processed workpiece from the resin sheet;

an unloading unit configured to unload the frame unit from the cassette mounted on the cassette mount section;

a printing unit configured to print identification information of the separated workpiece on the resin sheet of the frame unit unloaded from the cassette;

a resin sheet separation unit configured to separate the resin sheet, the resin sheet remaining on the frame unit and carrying the identification information printed by the printing unit, from the annular frame; ~~and~~

a resin sheet holding section configured to hold the resin sheet separated from the annular frame by the resin sheet separation unit; and

an inspection device configured to

inspect processed conditions from a processed mark remaining on the resin sheet,

read the identification information on the inspected resin sheet, and

acquire the processed conditions of the workpiece in association with the identification information.

4. The workpiece management method according to

claim 1, wherein

the processing machine is a

a laser processing machine that irradiates a laser beam of a wavelength having transmissivity through or absorption in the workpiece,

a grinding machine that grinds the workpiece, or

a polishing machine that polishes the workpiece, and

when a processing defect occurs,

the resin sheet becomes discolored through heating, and

a burn mark occurs as the processed mark on the resin sheet, and is detected in the inspection result acquisition step.

5. The sheet cutting machine according to claim 3, further comprising

a parting sheet stock section configured to stock parting sheets in a stacked relation.