CLAIMS

What is claimed is:

1. An automatic cooking machine, comprising a base, a cooking pot mounted on the base and configured to load a food material, a pot lid hinged to the base and covering the cooking pot, a cylindrical stirring chamber enclosed by the cooking pot and the pot lid, a stirring mechanism rotatably mounted in the stirring chamber and configured to stir the food material, a food material box configured to hold the food material, and a film tearing assembly mounted on the pot lid, wherein the cooking pot is provided with a dish chamber configured to store the food material; the stirring mechanism comprises a control arm rotatably connected to the pot lid, a connecting arm rotatably connected to the pot lid, and a stirring blade disposed between the control arm and the connecting arm; the control arm and the connecting arm have a same rotating axis; the stirring mechanism rotates around the rotating axis in the stirring chamber; the food material box comprises a box body movably connected to the pot lid and configured to place the food material as well as a sealing film disposed at a position between the box body and the pot lid and configured to seal the box body; a hanging port is formed on the sealing film; a feeding port configured to feed the food material is formed on the pot lid; a feeding assembly is mounted at the feeding port; the film tearing assembly comprises a film tearing rotating shaft as well as a power device configured to drive the film tearing rotating shaft to rotate; and a hook configured to hook the hanging port to rotate and tear the

sealing film and drive the box body to move toward the direction of the feeding port is disposed on the film tearing rotating shaft.

2. The automatic cooking machine according to claim 1, wherein an axis of the stirring chamber is parallel to the rotating axis, and an angle between the rotating axis and a horizontal plane is greater than 0° and is smaller than or equal to 30°.

3. The automatic cooking machine according to claim 1, wherein an angle, parallel to a horizontal plane, of the rotating axis is 0°.

4. The automatic cooking machine according to claim 1, wherein a portion where the stirring blade is connected to the control arm is set as a rounded corner, and a portion where the stirring blade is connected to the connecting arm is set as a rounded corner.

5. The automatic cooking machine according to claim 1, wherein the control arm further comprises a control arm body, and a first rotating pin disposed on a side portion of the control arm body; the connecting arm further comprises a connecting arm body and a second rotating pin disposed on a side portion of the connecting arm body; the first rotating pin and the second rotating pin have a same rotating axis; one end of the stirring blade is connected to the control arm body, and the other end of the stirring blade is connected to the connecting arm body; and projections of the control arm, the connecting arm, and the stirring blade are in fan-shaped distribution along a direction of the rotating axis.

6. The automatic cooking machine according to claim 5, wherein the pot lid is provided with an accommodation chamber; an inner shell is mounted in the accommodation chamber; the first rotating pin is rotatably connected to the inner shell; the second rotating pin is rotatably connected to the inner shell; and in the stirring chamber, the stirring blade rotates around the rotating axis.

7. The automatic cooking machine according to claim 6, wherein the inner shell is provided with a groove that is arranged in a major arc; the stirring mechanism rotates in the groove; an opening is formed on a top of the inner shell; and the opening is matched with the feeding port and the opening communicates with the feeding port.

8. The automatic cooking machine according to claim 1, wherein the box body comprises a plurality of sub-boxes configured to place the food material; the plurality of sub-boxes is independent of each other; and the plurality of sub-boxes is arranged side by side along a direction in which the box body moves.

9. The automatic cooking machine according to claim 1, wherein the film tearing assembly further comprises a shaft sleeve part connected to the film tearing rotating shaft, a clutch mechanism connected to the power device, and a first fixing frame connected to the pot lid and configured to fix the shaft sleeve part and the clutch mechanism; and the power device drives the clutch mechanism to rotate forwardly or reversely so that the clutch mechanism is connected to or separated from the shaft sleeve part.

10. The automatic cooking machine according to claim 9, wherein the clutch mechanism comprises a clutch rotating shaft pin, a clutch nut in threaded fit with the clutch rotating shaft pin, and a second fixing frame configured to fix the clutch nut; and the second fixing frame is mounted on the first fixing frame.

11. The automatic cooking machine according to claim 1, wherein the stirring blade is configured to rotate to a bottom surface of the cooking pot and be in contact with the bottom surface of the cooking pot; the stirring blade is configured to be slid along the bottom surface of the cooking pot; the stirring blade forms an included angle with a normal plane at a contact position on the surface of the cooking pot; and the included angle is an acute angle.

12. The automatic cooking machine according to claim 1, wherein a seal ring configured to prevent a liquid from overflowing is disposed between the base and the pot lid; and the seal ring is fixedly mounted at an edge position of a lower end of the pot lid.

13. The automatic cooking machine according to claim 1, wherein the automatic cooking machine further comprises a heating device disposed on the base and configured to provide heat for the automatic cooking machine; and the heating device is installed at a position below the cooking pot.

14. The automatic cooking machine according to claim 1, wherein a bottom surface of the cooking pot is arranged in a minor arc; a position on a side portion of the cooking pot extends outward to form an extension portion of a handle for

connection; the handle configured to take the cooking pot is mounted and connected at a free end of the extension portion; and the handle is stretched out of an outer circumference of the base.

15. The automatic cooking machine according to claim 14, wherein the pot lid further comprises a hand grip configured to close or open the pot lid and the base; and the hand grip is disposed outside the handle.