WE CLAIM:

1. A waste processing method for a waste processing system, the waste processing system having a heating chamber, a primary chamber disposed within the heating chamber, a secondary chamber, and lid, the method comprising:

loading feedstock into the primary chamber;

heating the secondary chamber;

heating the heating chamber with the feedstock inside;

rotating the primary chamber while the primary chamber is being heated;

cooling the heating chamber after the heating chamber is heated for a predetermined amount of time; and

removing leftover concentrate after heating the heating chamber for the predetermined amount of time.

2. The waste processing method according to claim 1, wherein loading the feedstock comprises:

rotating the primary chamber and the heating chamber to an operating position;

securing the lid to an open end of the primary chamber;

loading the primary chamber with an inert gas; and

tilting the heating chamber and the primary chamber to a predetermined angle to facilitate processing of the feedstock.

3. The waste processing method according to claim 1, wherein the secondary chamber is heated during the loading of the feedstock.

4. The waste processing method according to claim 1, further comprising heating the secondary chamber to a temperature range of about 1000° C. to about 1100° C.

5. The waste processing method according to claim 1, wherein the method further comprises:

collecting, in the lid, syngas produced while heating the heating chamber;

sending the syngas from the primary chamber to the secondary chamber;

burning the syngas in the secondary chamber; and

exhausting the burned syngas out of the waste processing system.

6. The waste processing method according to claim 1, wherein the temperature of the primary chamber and a timing of the rotation of the heating chamber are controlled based on feedstock type and feedstock volume.

7. The waste processing method according to claim 1, further comprising heating the feedstock to a temperature of about 500° C. to about 600° C.

8. The waste processing method according to claim 1, wherein the method further comprises tilting the heating chamber and the primary chamber to an angle of about 45°.

9. The waste processing method according to claim 1, wherein the method further comprises cooling the heating chamber with a cooling air fan.

10. The waste processing method according to claim 1, wherein the rotation of the primary chamber is performed by driving a drive motor, which is attached to a bottom surface of the primary chamber and the heating chamber.

11. The waste processing method according to claim 1, wherein the feedstock comprises computer or electrical equipment, or medical waste items.