CLAIMS

1. A device for instantaneously inspecting waste quality, comprising:

a transparent part;

a draining device for draining the waste liquid and forcing the waste liquid passing through the transparent part;

an illumination device for illuminating the transparent part;

an image acquiring device, configured to detect the light from the transparent part and generate a video signal formed by a series of images with respect to the transparent part; and

a signal processing module, electrically coupled to the image acquiring device, for receiving the video signal, converting at least one of the series of images into quantitative values and instantaneously determining a quality of the waste liquid according to the quantitative values, wherein the quantitative values are corresponding to at least one of spectrum information, color information, and transparency information associated with the video signal of the waste liquid.

2. A waste liquid recycling device for instantaneously determining a quality of a waste liquid, comprising:

a transparent part;

a draining device for draining the waste liquid and forcing the waste liquid passing through the transparent part;

an illuminating device for illuminating the transparent part;

an image acquiring device, configured to detect the light from the transparent part and generate a video signal formed by a series of images with respect to the transparent part;

a signal processing module, electrically coupled to the image acquiring device, for receiving the video signal, converting at least one of the series of images into quantitative values and instantaneously determining a quality of the waste liquid according to the quantitative values, wherein the quantitative values are corresponding to at least one of spectrum information, color information, and transparency information associated with the video signal of the waste liquid; and

a value determining module, configured to determine a value of the waste liquid according to an amount of measurement of the waste liquid that is qualified.

3. The device of claim 2, wherein the value determining module measures flow rate or weight of the waste liquid qualified by the signal processing module so as to calculate a value of the waste liquid.

4. The device of claim 2, further comprising a value storage unit for storing the value into a chip card of the value storage unit, storing the value into an account through a portable smart device by third-party payment, or storing the value into a bank account corresponding to a

bank card coupled to the value storage unit.

5. The device of claim 2, further comprising a transaction module electrically coupled to a cloud transaction platform, wherein the transaction module provides at least one commodity so that the value can be exchanged to at least one of commodity.

6. A method for recycling waste liquid, comprising steps of:

providing a waste liquid recovery device comprising a transparent part, an illuminating device for illuminating the transparent part, an image acquiring device, a signal processing module electrically coupled to the image acquiring unit, and a value determining module;

draining a waste liquid passing through the transparent part by a draining device;

acquiring lights from the transparent part by the image acquiring device for generating a video signal formed by a series of images;

instantaneously determining a quality of the waste liquid according to the image signal by the signal processing module, wherein the signal processing module receives the video signal, converts at least one of the series of images into quantitative values and determines a quality of the waste liquid according to the quantitative values, wherein the

quantitative values are corresponding to at least one of spectrum information, color information, and transparency information associated with the video signal of the waste liquid; and

determining a value of the waste liquid according to an amount of measurement of the waste liquid by the value determining module.

7. The method of claim 6, further comprising a step of performing a transaction process with user, wherein the transaction process is third-party payment, storing value into a chip card, transferring money to bank account, accumulating credit points or directly exchanging commodity according to the value.