**CLAIMS**

1. A mask-cleaning apparatus comprising a frame, a wet cleaning mechanism supported on the frame, and a dry cleaning mechanism supported on the frame and located after the wet cleaning mechanism in a direction of feeding a clean-room cleaner, wherein each of the wet and dry cleaning mechanisms comprises a wiping module comprising:

a vertical plate supported on the frame;

a feeder reel supported on the vertical plate and adapted for holding an end of the clean-room wiper;

a first stretching roller supported on the vertical plate near an output side of the feeder reel;

a second stretching roller supported on the vertical plate near an input side of the retriever reel so that the first and second stretching rollers cooperate with each other to render the feeding and retrieving of the clean-room wiper smooth;

a retriever reel supported on the vertical plate and adapted for holding another end of the clean-room wiper;

direction-changing rollers supported on the vertical plate between the feeder reel and the retriever reel and adapted for guiding the clean-room wiper to an upper portion of the wiping module; and

a pushing roller supported on the vertical plate and adapted for pushing a portion of the clean-room wiper beyond any adjacent portion of the clean-room wiper to render the clean-room wiper ready for wiping;

wherein the wiping module of the wet cleaning mechanism further comprises a sprayer mechanism adapted for spraying cleaning liquid onto the portion of the clean-room wiper on the pushing roller, wherein the wet cleaning mechanism wipes a mask before the dry cleaning mechanism wipes the mask.

2. The mask-cleaning apparatus according to claim 1, wherein each of the wet and dry cleaning mechanisms comprises two wiping modules adapted for wiping the mask.

3. The mask-cleaning apparatus according to claim 1, wherein the wiping module comprises:

a first driver supported on the vertical plate and adapted for driving the feeder reel; and

a second driver supported on the vertical plate and adapted for driving the retriever reel.

4. A mask-cleaning apparatus comprising a frame, a wet cleaning mechanism supported on the frame, and a dry cleaning mechanism supported on the frame and located after the wet cleaning mechanism in a direction of feeding a clean-room cleaner, wherein each of the wet and dry cleaning mechanisms comprises a wiping module comprising:

a vertical plate supported on the frame;

a feeder reel supported on the vertical plate and adapted for holding an end of the clean-room wiper;

a retriever reel supported on the vertical plate and adapted for holding another end of the clean-room wiper;

direction-changing rollers supported on the vertical plate between the feeder reel and the retriever reel and adapted for guiding the clean-room wiper to an upper portion of the wiping module; and

a pushing roller supported on the vertical plate and adapted for pushing a portion of the clean-room wiper beyond any adjacent portion of the clean-room wiper to render the clean-room wiper ready for wiping;

wherein the wiping module of the wet cleaning mechanism comprises a squeezing roller set located before the pushing roller in the direction of the feeding of the clean-room wiper and a sprayer mechanism adapted for spraying cleaning liquid onto the portion of the clean-room wiper on the pushing roller, wherein the wet cleaning mechanism wipes a mask before the dry cleaning mechanism wipes the mask.

5. The mask-cleaning apparatus according to claim 4, wherein the squeezing roller set comprises:

an active roller supported on the vertical plate;

a third driver adapted for driving the roller; and

a squeezing roller adapted for changing a force exerted on the clean-room wiper against the active roller to distribute the cleaning liquid evenly in the clean-room wiper and squeeze an excessive portion of the cleaning liquid out of the clean-room wiper.

6. The mask-cleaning apparatus according to claim 1, wherein the wiping module comprises a lifting unit adapted for lifting the pushing roller.

7. The mask-cleaning apparatus according to claim 6, wherein the lifting unit comprises:

a cylinder supported on the vertical plate; and

a roller holder operatively connected to the cylinder and adapted for supporting the pushing roller.

8. The mask-cleaning apparatus according to claim 1, wherein the wiping module further comprises two positioning clamp units supported on the vertical plate, on two sides of the pushing roller.

9. The mask-cleaning apparatus according to claim 8, wherein the positioning clamp unit comprises a positioning plate and a pressing plate located below the positioning plate so that a positioning passageway is defined between the positioning plate and the pressing plate, wherein the positioning passageway is adapted for receiving the clean-room wiper.

10. The mask-cleaning apparatus according to claim 9, wherein the positioning clamp unit further comprises a cylinder adapted for moving the pressing plate towards the positioning plate to keep the clean-room wiper in position when the clean-room wiper wipes the mask.

11. The mask-cleaning apparatus according to claim 9, wherein the passageway is made with a width identical to that of the clean-room wiper and a height larger than thickness of the clean-room wiper.

12 A mask-cleaning apparatus comprising a frame, a wet cleaning mechanism

supported on the frame, and a dry cleaning mechanism supported on the frame and located after the wet cleaning mechanism in a direction of feeding a clean-room cleaner, wherein each of the wet and dry cleaning mechanisms comprises a wiping module comprising:

a vertical plate supported on the frame;

a feeder reel supported on the vertical plate and adapted for holding an end of the clean-room wiper;

a retriever reel supported on the vertical plate and adapted for holding another end of the clean-room wiper;

direction-changing rollers supported on the vertical plate between the feeder reel and the retriever reel and adapted for guiding the clean-room wiper to an upper portion of the wiping module; and

a pushing roller supported on the vertical plate and adapted for pushing a portion of the clean-room wiper beyond any adjacent portion of the clean-room wiper to render the clean-room wiper ready for wiping;

wherein the wiping module of the wet cleaning mechanism further comprises a sprayer mechanism comprising:

a sprayer for spraying cleaning liquid onto the portion of the clean-room wiper on the pushing roller; and

a cycling unit located below the sprayer to receive an excessive portion of the cleaning liquid squeezed out of the clean-room wiper by the squeezing roller set;

wherein the wet cleaning mechanism wipes a mask before the dry cleaning mechanism wipes the mask.