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gas, wherein most of the spray from the injection nozzle is allowed to strike a wall face in the container before being fed to the spray feeding path, and wherein the wall face is an outer wall face of a dome member opening downward; and cutting a target object to be processed by supplying the spray to a cutting member of the machine tool. 5

16. A cutting method, comprising attaching a liquid spray device to an oil supplying part of a machine tool, the liquid spray device comprising a container, a spray injection nozzle for injecting oil spray into the container, a spray feeding path for feeding oil spray in the container to an outside of the container, wherein a gas discharge nozzle is provided having a tip portion in the air within the container and discharging gas, wherein most of the spray from the injection nozzle is allowed to strike a wall face in the container before being fed to the spray feeding path, and wherein the injected spray flow, after striking the wall face and before being fed to the spray feeding path, strikes another wall face formed separately from the wall face; and cutting a target object to be processed by supplying the spray to a cutting member of the machine tool. 10 15 20

17. A cutting device, comprising:

a tool; and

an oil supply system for the tool, including:

a container; 25

a spray injection nozzle for injecting oil spray into the container; and

a spray feeding path for feeding the oil spray in the container to an outside of the container; 30

wherein a gas discharge nozzle is provided having a tip portion in air within the container and discharging gas, wherein most of the injected spray flow from the spray injection nozzle is allowed to strike a wall face in the container before being fed to the spray feeding path, and wherein the wall face is an inner wall face of a dome member opening downward. 35

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18. A cutting device, comprising:

a tool; and

an oil supply system for the tool, including:

a container;

a spray injection nozzle for injecting oil spray into the container; and

a spray feeding path for feeding the oil spray in the container to an outside of the container;

wherein a gas discharge nozzle is provided having a tip portion in air within the container and discharging gas, wherein most of the injected spray flow from the spray injection nozzle is allowed to strike a wall face in the container before being fed to the spray feeding path, and wherein the wall face is an outer wall face of a dome member opening downward.

19. A cutting device, comprising:

a tool; and

an oil supply system for the tool, including:

a container;

a spray injection nozzle for injecting oil spray into the container; and

a spray feeding path for feeding the oil spray in the container to an outside of the container;

wherein a gas discharge nozzle is provided having a tip portion in air within the container and discharging gas, wherein most of the injected spray flow from the spray injection nozzle is allowed to strike a wall face in the container before being fed to the spray feeding path, and wherein the injected spray flow, after striking the wall face and before being fed to the spray feeding path, strikes another wall face formed separately from the wall face.

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