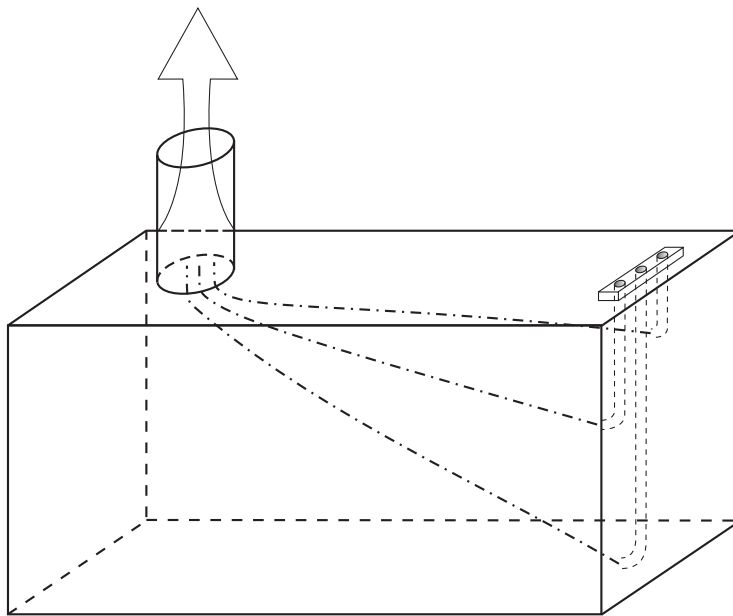


# Airstep<sup>®</sup>

## Innovative ventilation system for machine tools



*Illustration not binding*

**Airstep<sup>®</sup>** is a completely new and highly effective VENTILATION SYSTEM for working areas of machine tools.

### The well-known problem:

The design of working areas of machine tools results often in so-called "dead corners", which are difficult or impossible to ventilate.

Extraction systems designed to remove cooling lubricant mist (dust) from working areas are not capable of clearing the "dead corners" as air movement in these areas is not sufficient.

This has the result that cooling lubricant mist remains in the "dead corners". When loading hatches or ports are opened, the mist/dust escapes suddenly into the surrounding air, with the effect that the air in the hall gets extremely contaminated with this mists/dust.

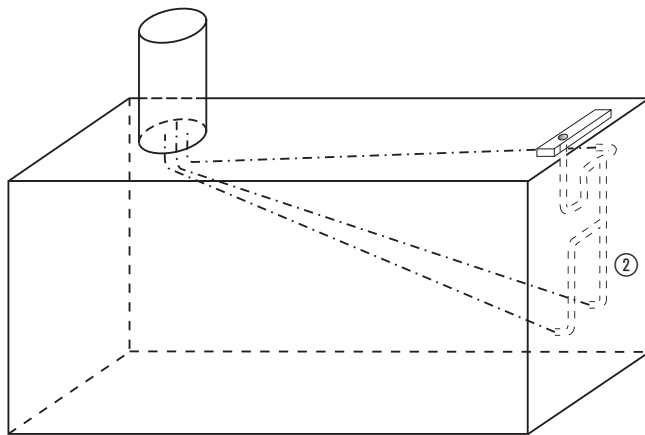
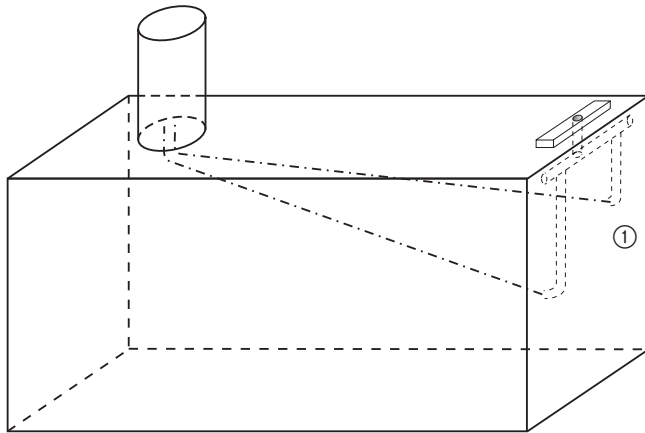
### The innovative solution:

When the ventilation technology is put directly into the working area, one or more air supply nozzles can be placed in optimum positions.

The resulting air short circuit between the extraction point and the air nozzles transports the cooling lubricant mist (or dust) towards the extraction point.

In addition, cooling lubricant mist (dust) from behind the nozzle is removed due to the injector effect.

**Utility patent  
applied for!**



Illustrations not binding

#### Your benefits at a glance:

- Free positioning in respect of length, width and height of the working area.
- Thanks to the small cross section required for the ventilation system, the installation into the working area is completely unproblematic.
- Airstep can be retrofitted within a short period of time

**Airstep® makes it possible to have a completely custom-designed ventilation concept in the working area of the machine.**

If several snorkels are required, they can be distributed over the working area of the machine (1).

Only one opening is therefore required in the machine roof.

In order to prevent jet flames from escaping (in case of cooling lubricant oil), the supply is designed as a labyrinth (2).

AIRSTEP® is not only a ventilation option, but THE VENTILATION CONCEPT: absolutely variable, expandable, highly effective and easy to retrofit.

#### CAUTION:

**As simple and straightforward this solution may appear – nevertheless it is protected ☺**

**Utility patent  
applied for!**

... and also for the  
machine manufacturer!

**Rerucha™**

Technology  
for machine tools

Rerucha GmbH  
Weilimdorfer Str. 44  
D-70825 Korntal  
Germany

Telephone +49 (0)711 8 66 10 07  
Telefax +49 (0)711 8 66 10 00  
raimund.rerucha@rerucha.de  
www.rerucha.de