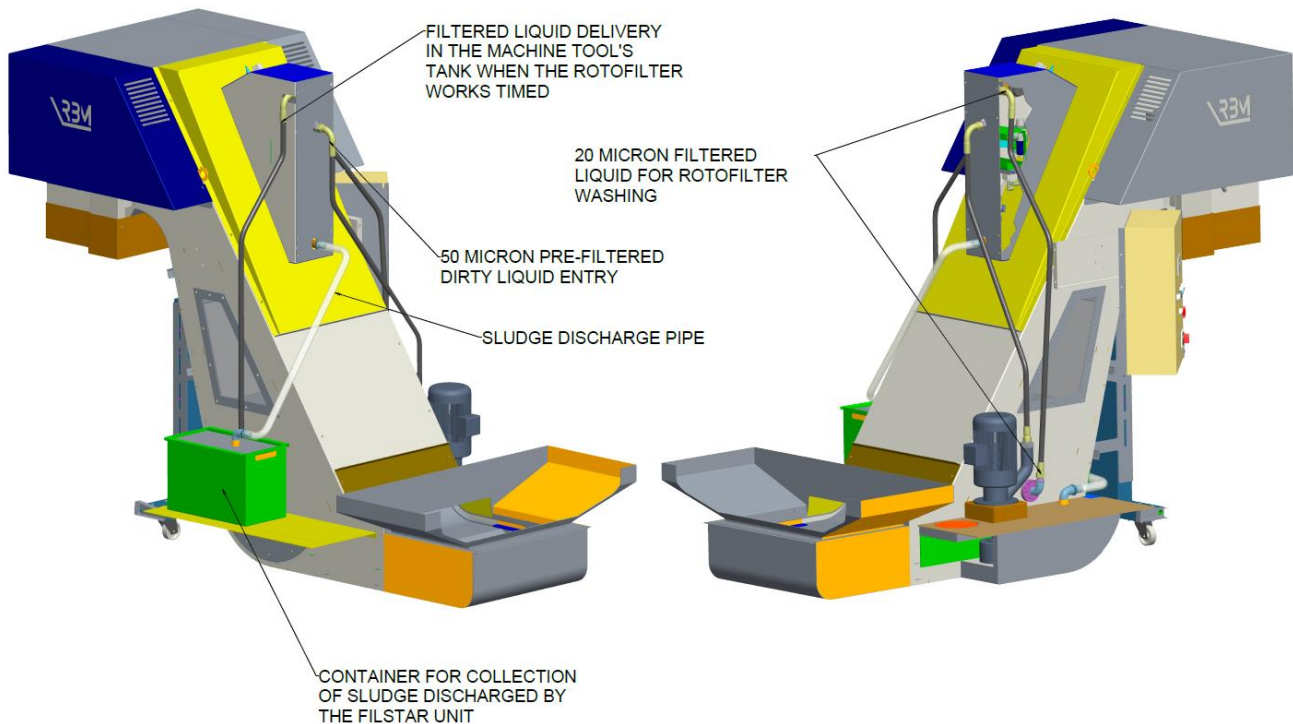


A-I CONVEYOR with ROTOFILTER and additional fine filtration unit ROTOSTAR

When there are dispersed powders smaller than 50 μm , where the sole action of the A-I conveyor with rotofilter is no longer sufficient, the rotostar solution can be implemented on the conveyor.

The advantages of rotostar are:

- 100% adaptability on every A-I rotofilter.
- 100% reduction of chips larger than 20 μm dispersed in the tank.



The rotostar solution allows to further reduce the filtration of the rotofilter and is suitable for particularly dusty materials. It is suitable for machine tools that are combined with the A-I rotofilter and that occasionally process materials that tend to make small chips, and there are dispersed powders smaller than 50 μm . When the dispersed powders smaller than 50 μm are not held by the filtering drum, they are dispersed in the coolant. These would then be relaunched by the pumps in the work area, creating an abrasive mixture of coolant and powders that can damage both the machining and the tool.

The rotostar generates a flow of coolant filtered at 20 μm that is used in two different directions:

- One for cleaning the drum from the inside (backwashing).
- One directly in the tank of the machine tool, continuously filtering all the coolant present in the tank.

The sludge filtered by the rotostar is automatically discharged into a special collection container.

The rotostar is available in two different versions:

- Filstar KSS20i unit, with filtration flow rate of 40 L/min.
- Filstar KSM25i unit, with filtration flow rate of 80 L/min.

The choice between the two versions is the responsibility of RBM in relation to the size of the rotofilter and the overall flow rate of coolant required by the machine tool.

