

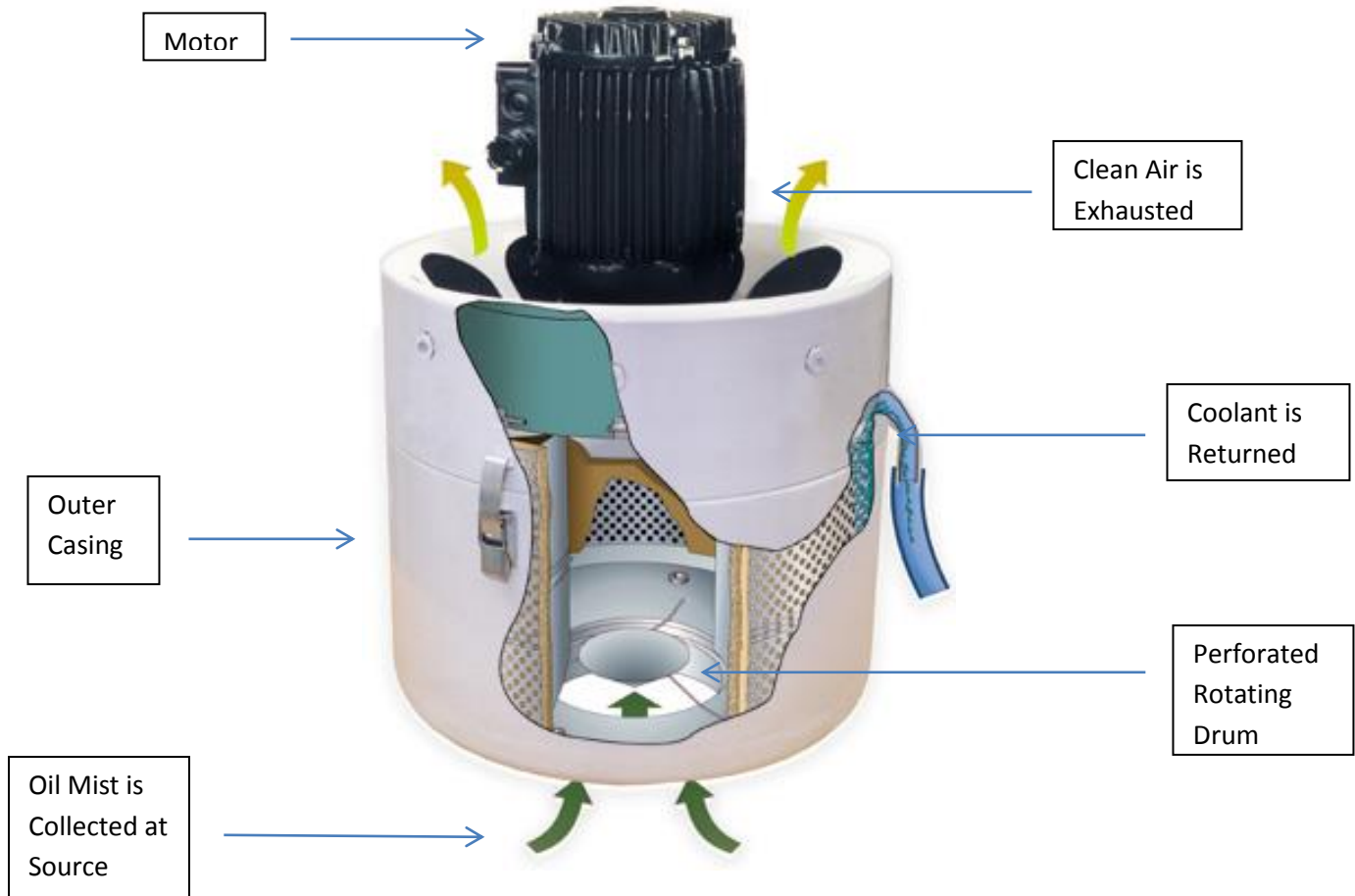


AMT MACHINE TOOLS LIMITED

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How The Filtermist Unit Works



1. The three phase motor rotates the drum at high RPM creating a vacuum and drawing the oilmist into the unit.
2. The oil mist particles collide with the vanes of the rotating drum and coalesce into larger droplet sized particles.
3. These larger droplets are forced through the perforations in the drum and by centrifugal force and impact on the inside of the outer casing.
4. The droplets are then forced up the inside wall of the casing to the return spigot where they are returned to the machine.
5. Clean air is exhausted through the top of the unit back into the shop.
6. A dry smoke afterfilter can be fit over top of the motor as an option for applications that require it.