



# MICRO AIR MISTMAX on High Volume Machining Operation At Aerospace Component Supplier

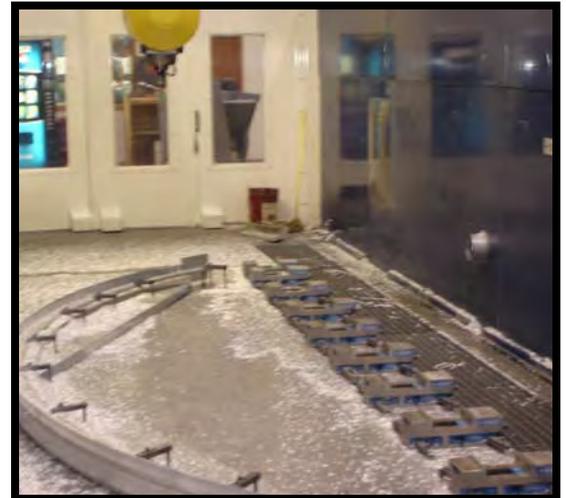
## CLEAN AIR SOLUTION REPORT

**Application:** High Volume Oil Mist Generated in Aluminum Machining on Large Aircraft Components

**Location:** DJ Engineering  
Augusta, KS

**Products:** Micro Air MM1200 MISTMAX

**Challenge:** Micro Air was called in to help engineer a system that would limit the amount of mist and smoke that would migrate out of the machine center. The customer wanted to reduce the amount of cost they would incur to enclose the machine by having to install a cover on the machine. Micro Air worked with Nick Lies, the lead engineer for DJ Engineering to incorporate a side draft system that would limit the mist and smoke that could possibly escape the machine center. DJ Engineering's urgency called for the use of an MM1200 Micro Air had in stock. Due to the effectiveness of the MISTMAX unit, DJ Engineering also plans to install 4 ambient units to capture any residual mist and other work stations. Micro Air has helped DJ Engineering in their debur area with down draft tables, and has also installed two CAB modules and an OM6000DD on 40' containers as well. DJ Engineering's continued satisfaction with the Micro Air product has led to several opportunities already and many more to come in the near future.



**Large Floor Mount Machining Center**

**Solution:** Micro Air supplied an MM1200 and worked to design a side draft system that limited the amount of mist and smoke that could migrate out of the work area. We also utilized shop fans to help push the mist and smoke towards our three collection points on the sidewall. Micro Air also quoted and designed an ambient system that will most likely be incorporated in early 2011 to pick up any residual smoke and also allow the general shop air and other airborne contaminants to be captured.

**High Visibility:** The opportunity to apply so many different Micro Air products on different applications helps Micro Air get some recognition from the big aviation manufacturers such as Spirit, Boeing, Hawker Beechcraft, Learjet, and Cessna that visit this facility on a daily basis.



**MM1200 Ducted to Machining Center**

**Micro Air Advantage:** Using Micro Air's exclusive MISTMAX oil mist filters, the system effectively removes 99.98% of the mist brought into the collector and helps the end user maintain low operating costs while meeting the most stringent air quality standards of today and into the future. The Micro Air MISTMAX requires almost no maintenance for up to 3 years and allows the cleaned air to be recycled into the facility rather than exhausting expensive heated and/or cooled air.

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