

# RADIUS ENGINEERING, INC.

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## Resin Cylinder Agitator/Degasser

The Resin Cylinder Agitator/Degasser is designed to integrate with the Radius RTM Injector, to provide agitation and degassing of high-vacuum resins. A pneumatic motor rotates a shaft/impeller assembly which helps agitate the resin for better heat distribution and vacuum draw. The Agitator/Degasser is removed after degas process and replaced with the injection end plug assembly. A vacuum pump and resin trap are included and mounted on the injector stand.



Degassing Unit installed in end of Radius RTM Injector.

### System Features:

- Corrosive resistant vacuum pump capable of  $10^{-4}$  mbar
- Variable speed air powered motor attached to shaft and impeller blades for agitation of resin components.
- Resin trap for the containment of excess resin system that may damage vacuum pump and transducer.
- Above items positioned on base of injector stand for ease of use.
- Lighted view port to monitor the resin system during degassing.
- Vacuum transducer for reading vacuum level.
- Interface to Injection Equipment Data Acquisition for the retrieval and recording of vacuum level.



Radius 10,000cc RTM Injector with integrated agitator/degasser, vacuum pump and resin trap.