

# TUG TECHNOLOGIES

## Providing Ground Support Solutions Worldwide



Model shown above includes additional options.

## TMD/TRD- 150/180 Aircraft Air Start Unit

The TUG Model TMD-150 and 180 air start units represent our 150 and 180 ppm variants of our family of air start units. Designed from a clean sheet of paper, these units offer lower operating costs and decreased environmental impact. The TMD-150 unit will handle the engine starting needs of all standard-bodied aircraft engines requiring 150 ppm of continuous airflow. The TMD-180 is designed to meet the engine-starting requirements of the DC-10.

One of the many standard features of the TMD-150 and 180 Air Start units is the dual-pressure regulators with an "On Demand" automatic engine throttle control system. The operator simply selects either the air start or the air packs mode and the control system automatically adjusts the pressure and throttle settings. Benefits of the "On Demand" system include fuel economy, decreased maintenance, and noise control.

Safety, reliability, and maintainability are key ingredients of our design; decades of experience with both commercial and military GSE provide practical and efficient products. Standard features such as large access doors, remote lube oil drains, and maintenance-free batteries ensure ease of service. These exceptional features, combined with our famous worldwide parts and support make the TMD-150 and 180 air start units the best choice for your operations.

50% - Quieter Operation  
Improved operator environment and lower overall ramp noise level.

95% - Parts Commonality  
Our air start units share running gear, body, consumables, and electrical components ensuring lower life-cycle cost and logistics requirements.

10% - Smaller Package  
Enhanced maneuverability and operational safety.

8% - More Fuel Efficient  
Fuel efficiency and cleaner burning with electronically controlled four-cycle engine,

**Equipment Sales**  
Tel: (770) 422-7230  
Fax: (770) 428-7315

**Parts Sales**  
Tel: (800) 989-8499  
Fax: (770) 422-8730

**Online**  
[www.tugtech.com](http://www.tugtech.com)

### *Standard features include:*

- Single discharge air outlet with manual shutoff valve
- Automatic discharge air pressure safety relief system to protect aircraft
- Discharge hose manual bleed-down valve
- On Demand automatic engine throttle control
- Leaf spring rear suspension
- Remote lube oil drains
- Maintenance-free batteries
- Large full-length "gullwing" module access doors
- Engine lube oil magnetic sump plug
- Sound and vibration dampening material
- Illuminated operator control panel with complete gauge set



*If it doesn't say TUG, it's not TUG TUFF*

