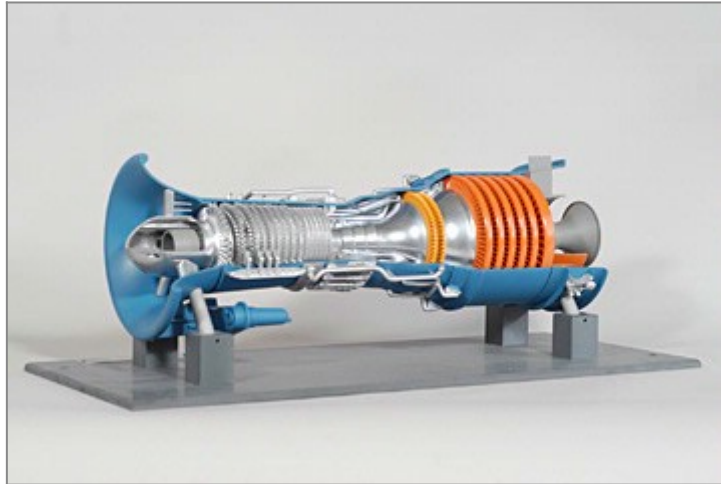


# Gas Turbine Model



## Model: 295-301

DAC Worldwide's Gas Turbine Model (295-301) depicts a detailed to-scale model of a generic gas turbine, which is commonly used as a prime mover and a supplemental power source in a variety of industries, in technically-accurate, professionally-crafted detail. Learners will explore design, construction, operation, and control of gas turbines using these learning tools. The model features a clear acrylic shell, component cutaways, color coding, and realistic detail, which combine to make this a useful tool in both operations and maintenance training.

The construction of this realistic mechanical model is based on a variety of well-known gas turbine designs and types. Based on an aeroderivative gas turbine assembly, this training aid includes all primary features and depicts the flow path. The primary housings are sectioned off, allowing for unrestricted views of internal components, as well as visualization of assembly and disassembly procedures.

Its convenient size, detail, color-coding, and multiple cutaways combine to allow the device to be useful in courses covering gas turbines, turbo-compressors, expanders, and turbo-generator packages.

### **Enhance Learning Using DAC Worldwide's Hands-On Distillation Model**

DAC Worldwide's hands-on models take learning to the next level, offering both visual and physical learning styles to appeal to a variety of learners.

This Gas Turbine Model features a clear acrylic, 5-inch diameter shell that allows complete visibility of both internal and external components. To ensure an ideal training experience, the model also includes a durable PVC base, with provisions for tabletop mounting. All of the construction throughout the model is to-scale, and the perfect 3-dimensional solution for study, promotion, and training.

Internal components featured in the Gas Turbine Model include a 15-stage axial flow compressor with representative blade discs/stator blades, a rotor, an annular combustor section with stylized flow path, representative fuel nozzles, a sump area, a two-stage power turbine with stylized blade discs, and bearing assemblies.

External components include an inlet bell, a representative fuel delivery manifold, a representative variable stator linkage, a starter/transfer gear box, an exhaust channel, main lubrication piping, and an over-speed transducer

mount, forward adapter, rear power coupling and mating flange.

## **Expand Training with Additional Mechanical Models & Cutaways**

The Gas Turbine Model is only one of DAC Worldwide's expansive mechanical training models and cutaways, which includes a Surface Safety Valve (SSV) Cutaway Pneumatic-Type Model ([#295-719P](#)), an Oilfield Pressure Gauge Cutaway ([#295-721](#)), a Heater Treater Dump Valve Cutaway ([#295-723](#)), and many more!

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### **FEATURES & SPECIFICATIONS**

- Construction based on a variety of well-known gas turbine designs and types
- Primary inlet diameter: 7"
- External turbine detail including: inlet bell, representative fuel delivery manifold, representative variable stator linkage, starter/transfer gear box, exhaust channel, main lubrication piping, and over-speed transducer mount, forward adapter, rear power coupling and mating flange
- Internal detail including: 15-stage axial flow compressor with representative blade discs, and stator blades, rotor, annular combustor section with stylized flow path, representative fuel nozzles, sump area, two-stage power turbine with stylized blade discs, and bearing assemblies
- Cast urethane, PVC, and aluminum components
- Durable PVC baseplate with provision for tabletop mounting, and mounting on related display racks
- Crating for shipment via motor freight or air freight

### **PRODUCT DIMENSIONS**

- **Product Dimensions**  
(L x W x H)  
28in x 12in x 10in (711 x 305 x 250 mm)  
30lbs. (13.5kg)
- **Shipping Dimensions**  
(L x W x H)  
35in x 18in x 17in (889 x 457 x 432 mm)  
100lbs (45kg)

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