



ESCO Guaymas, Mexico

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ESCO Turbine Technologies has the strength and agility to exceed customers' shifting expectations in a continuously changing business environment. With facilities in North America, Mexico and Europe, ESCO specializes in challenging production that requires exotic alloys and complex geometries.

Markets

Industrial Gas Turbines

- Shroud and shroud blocks
- Ring segments
- Damper seals
- Vanes and nozzles
- Inlet guide vanes

Aerospace

- Small equiaxed blades
- Damper seals
- Small structural castings
- Vanes

Railway

- Turbocharger blades
- Turbocharger wheels
- Nozzle rings

Capabilities

Wax Injection

- State-of-the-Art MPI wax injection presses provide repeatable process parameters

Robotic Shelling

- Kawasaki Robot with VA-Tech producer unit provides repeatable mold consistency

Casting

- Retech vacuum casting unit provides consistent programmed pours every time
- 100 lbs (45 kg) pour capability
- 24 in3 (393 cm3)

Dimensional Inspection

- Zeiss Eclipse CMM equipped with Valisys blade analysis software and LK camio studio.

Vacuum Heat Treat

- In-house vacuum automated heat-treatment furnaces help reduce cycle time

FPI

- Conforms to all applicable Aerospace, NADCAP and customer specifications and requirements



X-Ray

- 320 KV and 420 KV capability

Customers

ESCO Guaymas is an approved source for such customers as:

- General Electric Aircraft Engines (GEAE)
- General Electric Transportation Systems (GETS)
- Siemens
- Goodrich
- Parker Hannifin
- Solar Turbines
- Pratt & Whitney Canada
- Honeywell
- MTU Aero Engines

Representative Customer Approvals

GE Aircraft Engines

- Process Approvals – April, 2001

GE Transportation Systems

- Process Approvals – June, 2001

Solar Turbines

- Foundry Approval – December, 2001

Siemens Power Generation

- Quality Systems Approval – December, 2001

Pratt & Whitney Canada

- NDTCS Approval – December, 2002

Honeywell

- Quality System and Special Process Approvals – Nov 2003

Parker-Hannifin

- Quality Systems and Special Process Approvals – Jan 2004

Quality Standards

Certifications

- ISO 9001-2000
- AS 9100 Certification
- NADCAP
 - AS 7114 - Non-Destructive Testing
 - AS 7110 - Weld-Repair
 - AS 7102 - Heat-Treat
 - AS 7108 - Chemical Processing