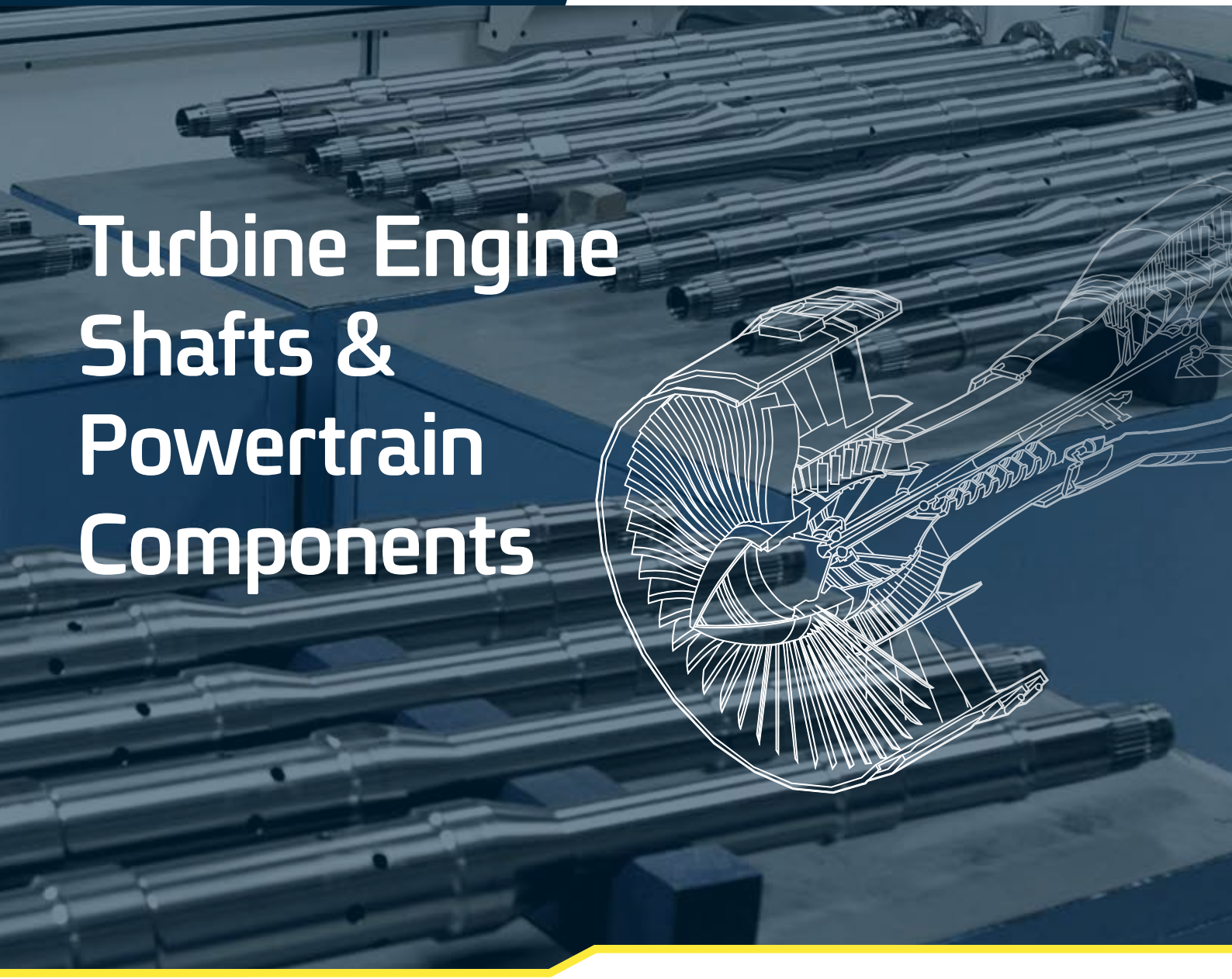
ASHOT
Ashot Ashkelon Industries



Turbine Engine Shafts & Powertrain Components

For more than 5 decades, Ashot Ashkelon Industries has been supplying a wide range of solutions – including Turbine Engines High & Low Pressure Shafts; Engine Gearbox Driveshaft; Gearbox; Driveshaft and Gears, for a diverse installed base – covering UAV; Business Jets; Regional Jets; Military Transport (Fixed & Rotary Wing) and Narrow Body Commercial platforms.

Ashot Ashkelon Industries – a leading trusted partner for major Turbine Engine and drive System manufactures within the global Aerospace & Defense industry, is one of the world's key suppliers of Turbine Engine Shafts & Power train Components.

Ashot Ashkelon Industries leverages on its global footprint to offer its partners responsiveness, agility, redundant production capacity and complimentary manufacturing capabilities.

Ashot Ashkelon Industries – as Vertically Integrated Manufacturer, utilizes complete range of state-of-the-art machine centers, processing & finishing technologies for wide size range (up to 2500mm /100inch) and types of materials from conventional steel to titanium and nickel-based super-alloys and types of materials - enabling the company to address the unique challenges of those critical parts.

Power Transmission Solutions

Ashot Ashkelon Industries in-house capabilities include:

Hobbing:
- CNC Vertical & Horizontal
- M1 – M15, D800 / H500

Grinding: up to AGMA 14, D800 / H500
- External grinding
- Internal grinding

Honing

Lapping

Hypoidal Cutting

Shaping:
- CNC & Convention
- M1 – M10, D1000 / H500

Broaching: Vertical & Horizontal

Bevel Gear Cutting and Grinding (RG)

Heat Treatment

- Hardening and tempering
- Carburizing
- Nitriding
- Carbonitriding
- Nitrocarburizing
- Induction hardening
- Press quenching
- Sub Zero HT
- Solution and Aging Aluminum alloy
- Aging PH steels
- Inert gas HT
- Stress Relief
- Vacuum HT (Hardening, Quenching, carburizing, annealing, solution and aging PH steels, tempering, stress relieve)

Surface Treatment

Shot Peening:
- Automatic Shot Peening (Steel & Glass beads media)
- Robotic Shot Peening

Chemical processing:
- Cadmium
- Copper
- Chrome
- SS passivation
- Alodine
- Black oxide
- Painting

NDT

- MPI (Magnetic Particle Inspection)
- FPI (Fluorescent Penetrant Inspection)
- Nital Etch Inspection

Industry & Regulatory Standards:

- ISO 9001:2018 / AS9100D
- NADCAP:
  - Heat Treatment
  - NDT
  - Conventional Machining (as a Special Process)
  - Surface Enhancement
  - Chemical Processes
- American Gear Manufacturers Association (AGMA) class up to 14, Din 1

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