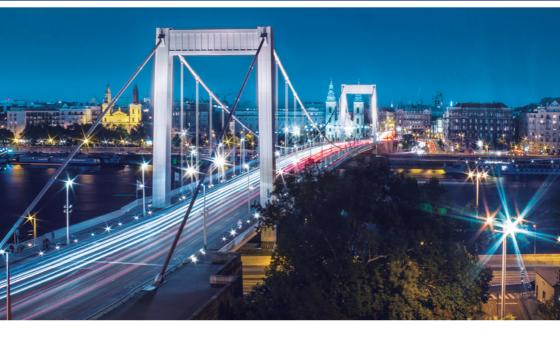


Innovation is our heritage EST. 1896

Aviation MRO Solutions



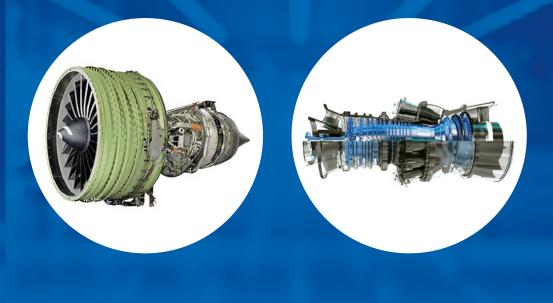


tungsram.com

Over 120-year track record with unique assets and capabilities.



Aviation and Stationary Gas Turbine Parts Repair



Newly established aviation MRO facility, several year experience in power repair industry.

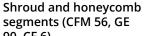
We have been working together for many years with GE Power and thereafter we signed a long term service agreement with GE Aviation in 2019.

What we can offer as your MRO provider:

- Financial stability with a solid balance sheet: Becoming a strong MRO provider requires continuous investments. Solid working capital management is a prerequisite to take on and manage large MRO-related inventory over long periods
- Access to low cost, skilled labor: MRO engine cost is highly dependent on the labor cost. Customers needs a partner with different labor demographics to avoid competition, while distance is limited to secure TAT
- Understanding GE Culture: Strong history with GE and an established, trustful and reliable relationship accelerate transfers and ease cooperation

Aviation parts and process steps





- 90, CF 6)
- Inspection , Chiseling
- Grinding
- Blasting
- Welding

Tube kits (CFM 56, GE 90,

- CF 6)
- Inspection
- Kitting
- Repair

OGV fan blade (CFM 56)

- Inspection Machining
- Grinding

Power parts and process steps



- Fuel Nozzle Inspection
- NDT
- Measurements

Power Nozzle

- Inspection
- NDT
- Measurements



- Inspection
- NDT
- Measurements



- Repair
- NDT

Repair and Inspection Technologies

Production Technologies



Chemical Cleaning Line



Various Type of Grinding Machines



Sheet Metal Bending



Powder Painting Line



Red Dye Penetrant Inspection



AWI and Resistance Welding



Sheet Metal Forming Fiber Laser and Punch Press



Quality Control and Tracking System



Blasting



3D Coordinate Measuring



Chiseling

Continuous efforts to expand technology capabilities

We are constantly striving to work with our partners to expand our technology capabilities to meet customer needs. We are an ideal partner for GE Aviation parts MRO because Tungsram have a deep understanding of GE as an ex-GE company, led by a team of ex-GE top executives.



CNC Machining



Cable Confection and Hardness Capabilities

Existing manufacturing capabilities, taking new directions

We have several year experience in metal components manufacturing, machining, painting and last but not at least over 120 year experience in lamps manufacturing and R&D. In addition to continuous engine maintenance and repair works, we provide professional logistic and supply chain services to our partners.

Tungsram has an existing engineering talent: which means effective capability building, investment injection and transfer requires engineering talent in place.

Aircraft and Airfield lamps



Tungsram has an extensive range of lamps specifically designed for use in Aircrafts. There is an extensive range of sealed beam lamps for a variety of applications.

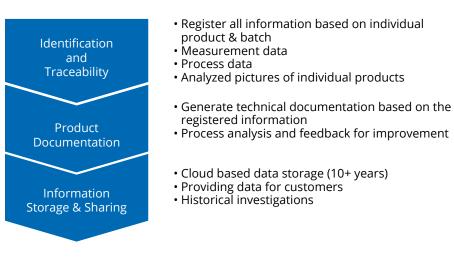
Tungsram Airfield Lamp Products are a very important element of your total airfield lighting system. These high quality, high reliability lamps are designed to get the highest performance from your lighting equipment. In conjunction with FAA and ICAO approved fixtures and constant current power supply systems, Tungsram Airfield lamps constitute your front line of defense against unnecessary outages and high maintenancecosts.

Product details

Product code	Description	Wattage [W]	Lumen [lm]	Base
28178	5113WW 13W 1/24	13	790	G5
11478	EXL 30W 6.6AV	32	375	GZ9.5
26930	TU Q6,6A/T2 1/21CL BULK MIH	45	710	Special
88420	AF6/2 6.6A 45W	45	760	PG22-6.35
32917	TU Q65T2 1/2/1CL MIH	65	1500	G38
88417	AF6/5T 6.6A 100W	100	2100	PG22-6.35
88413	AF7/2 6.6A 200W	200	4800	PG22-6.35
23857	TU Q6,6A/T4/5CL MIH	205	5230	R7s
15482	Q20A/PAR56/C V	333	7420	G16d
88525	IM/ T7BP	1000	28000	G38
41938	1970X 1/10 MIH	100	1700	Special
38545	1978X 1/10 MIH	100	1634	Special

Certificates and Quality Control

Vision systems used at Tungsram



Certificates



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ISO 14001:2004	ISO/TS 16949:2009	ISO 9001:2008

*Expected date of certification is summer 2019

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