

## **Blackbody Field Service Descriptions**

### **Annual Health Check and Preventative Maintenance**

- NIST/PTB traceable calibration and alignment to specification
- Repairs and component replacement (spare parts sold separately, and must be on site prior to FAE arrival)
- System overview and training
- Inspect electrical connections, check for arcing, verify grounding
- Check for signs of water coolant leaks, inspect seals and mechanical connections
- Full system visual inspection for damage and wear
- AE Certified™ On-site service report summarizing by unit:
  - NIST/PTB traceable calibration verification with calibration certificate
  - Calibration and alignment next steps for out-of-spec units
  - Component replacement recommendations

### **Commissioning**

- Verify installation (power and water)
  - Power voltage + quality
  - Water pressure + flow rate
- Argon gas supply (If applicable)
  - Hooked up properly
  - Pressure + flow rate verification
- Operator training
  - How to properly start up
  - Set temperature
  - Shut down
  - Pyrometer alignment
    - (Fixtures not included)