



DONCASTERS
MRO

Doncasters Airmotive

Doncasters Airmotive provide maintenance, repair and overhaul of both mature Aircraft Engines and Industrial Gas Turbines, specialising in Combustion Components, Fabricated Casings and Exhausts.

Doncasters Airmotive has built its business on integrity, trust and a quality service performed to the highest standards. Our commitment to excellence is evident in our exceptional amount of repeat business, long-term customer relationships, and outstanding reputation for customer satisfaction.



Capabilities

- Receipt inspection and assessment
- Machining (conventional and non conventional)
- Welding (spot / resistance / tig / hardface)
- Heat Treatment
- Testing (FPI / X-ray / Flow)
- Laser Drilling
- Thermal Spray (Plasma Coating / HVOF)
- Fitting and Assembly
- Final Inspection

For the Industrial Gas Turbine market Doncasters supply various combustion components on Siemens SGT-A20, SGT-A35 & SGT-A65 aeroderivative gas turbines. For the Helicopter market Doncasters repair a range of Exhaust components for the Leonardo AW101 helicopter.

'Best in Class' Capabilities & Competencies

The multi-skilled workforce excels in product repair assessment, fabrication, laser drilling, machining, heat treatment, surface preparation, thermal spraying and testing. All this is fully supported by specialist personnel with delegated authority sign off for most customer data cards.

Turnaround Time

21 to 40 days depending on component

Component Repair Capability List



Doncasters Airmotive hold CAA/EASA and FAA approvals with a current capability listing covering a "C7 Engine-APU" rating and a number of ATA Chapters.

ATA 72-41-13	Rolls-Royce	RB211 22B RB211-524-B RB211-524-C/D RB211-524 G/H RB211-535 C RB211-535 E4	Front Combustion Liners
ATA 72-51-21	Rolls-Royce	RB211-524 G/H	HP / IP Bearing Support
ATA 72-41-11	Rolls-Royce	Tay 611-8C	Combustion Liners & Discharge Nozzles



Thermal Spraying

Plasma & HVOF coating


Our in-house coating capability has both customer & NADCAP approvals providing a fully integrated repair and overhaul solution.

The robotic spray booths can process a wide range of hard, metallic, abradable or thermal barrier coatings using Atmospheric Plasma Spray (APS) or High Velocity Oxygen Fuel (HVOF).

Customer & NADCAP qualified internal laboratory and closed loop controlled parameters guarantee process stability.

Part dimensions

Maximum external diameter	1200 mm
Minimum internal diameter	150 mm
Maximum weight	250 kg
Maximum height	1400 mm





Accreditations



FAA Approved Repair Station
No. V3AY543J



UK CAA Part145 Approval
No. UK.145.00811



- ISO 9001:2015
- ISO 14001:2015
- OHSAS 18001:2007



- NDT
- Heat Treatment
- Welding
- Grinding
- Non-Conventional Machining
- Laser & EDM
- Coatings
- Chemical Processing





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