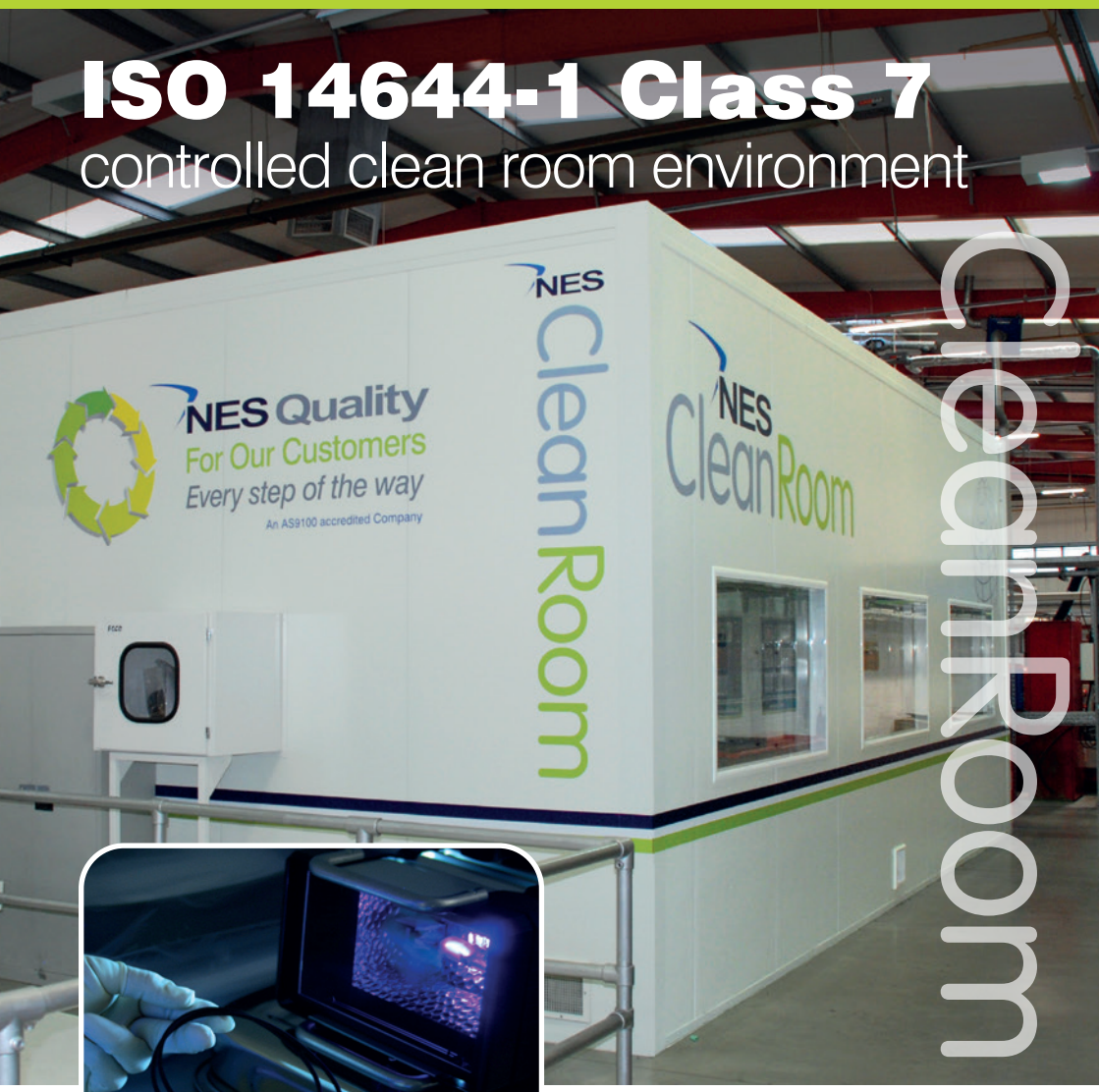
NES CleanRoom

ISO 14644-1 Class 7

controlled clean room environment



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afaq ISO 9001 Quality AFNOR CERTIFICATION

NES Clean Room

- Capability to mould, extrude and vulcanise in our ISO 14644-1 Class 7 controlled clean room environment
- Parts are then passed through a transfer hatch into the ISO Class 6 packaging area where vacuum post cure and inert gas filled, heat sealed clean room packaging is available – double heat sealed bagging can also be provided
- NES Clean Room control room features vision measurement inspection equipment and magnification inspection lamps for micro part inspection
- Pressure Clean Air Modules are fitted in the clean room to create the positive pressure environment. With variable speed controls and clean air through an EU4 grade pre-filter followed by an H14 HEPA filter which is 99.997% efficient at 0.3 microns
- To achieve stringent classification controls a number of air changes are required per hour in accordance with BS EN ISO 14644:

Classification Air Changes Per Hour
ISO Class 7 60 – 90
ISO Class 6 150 – 240

ISO 14644-1 Class 6 Clean Room Classification Guidelines

- Federal Standard 209E equivalent: Class 1,000
- Air Changes Per Hour (in accordance with BS EN ISO 14644): 150 – 240
- For ISO Class 6 clean rooms, organisations typically measure micron sizes 5.0μ, 0.5μ and 0.3μ

ISO 14644-1 Class 7 Clean Room Classification Guidelines

- Federal Standard 209E equivalent: Class 10,000
- Air Changes Per Hour (in accordance with BS EN ISO 14644): 60 - 90
- For ISO Class 7 clean rooms, organisations typically measure micron sizes 5.0μ and 0.5μ

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