

# NES CleanRoom

**ISO 14644-1 Class 7**  
controlled clean room environment

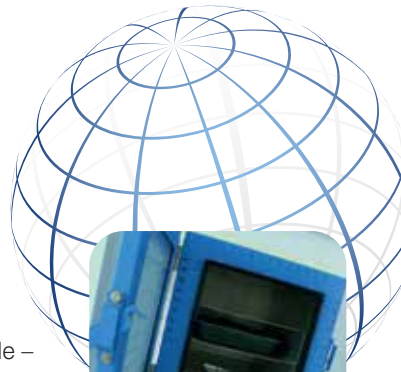


CleanRoom



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# NES CleanRoom



- 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  $5.0\mu$ ,  $0.5\mu$  and  $0.3\mu$

#### 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  $5.0\mu$  and  $0.5\mu$



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