STAPLETHORNE LTD

Bringing innovative instrumentation products to market

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List of Physics XRF and vacuum research equipment for sale

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Staplethorne Ltd is offering for sale research equipment, on the following terms, details of which can be discussed:

- The following equipment is offered for sale "as seen and as is".
- No guarantees or warranties will be provided.
- Inspection at Staplethorne's premises is welcomed at mutually convenient times.
- Where appropriate, equipment may be tested at Staplethorne's premises if the prospective purchaser is competent in the use of such equipment and has appropriate safety training and certification.
- It is for the purchaser to check safety aspects of the equipment, including but not limited to: electrical, mechanical, radiation (X-rays from XRF set), vacuum, liquid nitrogen storage vessels.
- It is for the purchaser to arrange for and pay for the collection and insurance of any purchased items.
- Offers to purchase the items on the following pages are invited.
- Any requested training in the use of equipment will be charged (time and expenses).
- We are happy to discuss by phone (01404 42455) or Skype (DevonScience), and of course in person here.

On the following pages we list the main items for sale. There are also some other materials that may be of interest seeing when visiting.

X-Ray Fluorescence Elemental Anlaysis Set

1. Jordan Valley Desktop X-Ray Fluorescence Analyzer (35KV, selectable X-Ray filters) + Compaq DeskPro (with installed software)

- X-Ray Chamber Model number: EX-310LC

Further details are available in the separate product leaflet.

Note: This system is currently in use and so it can be seen working.

NIM Crate & Equipment

2.(i) Canberra 12 Slot NIM Crate
- Model Number: 7029

2.(ii) Canberra Ratemeter
- Model Number: 2081

2.(iii) Canberra Spectroscopy Amplifier
- Model Number: 2020

2. (iv) Ortec Selectable Active Filter Amplifier
- Model Number: 44440A

2. (v) Ortec Baseline Restorer
- Model Number: 438

2. (vi) Ortec Timing Single Channel Analyzer
- Model Number: 420

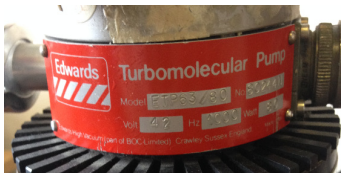
2. (vii) Princeton Gamma-Tec Bias Supply
- Model Number: 315A

2. (viii) Canberra S100 MCA board
- NIM module missing

Vacuum Equipment

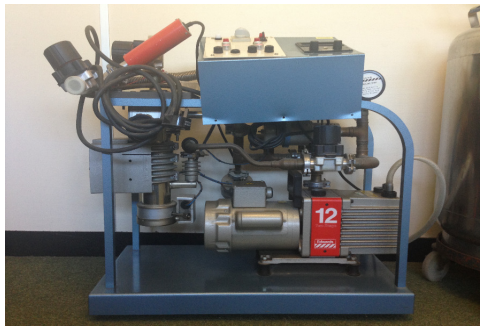
3. Edwards Turbomolecular Pump

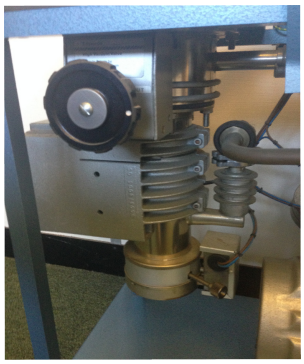
- Model number: ETP 63/80
- Includes vacuum chamber with connectors, valves, gauges, etc.

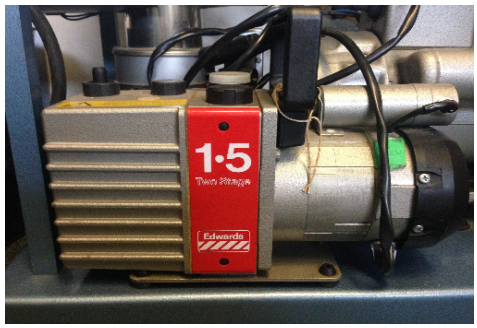


4. Edwards 12 Two Stage Pump System comprising Edwards Roughing/Rotary Pump + Edwards Pirani 14 Vacuum Gauge + Edwards Vapour Pump

- Vapour Pump model number: EO2
- Rotary pump 12 Litres
- Additional 1.5 Litre Edwards rotary pump.







5. Oxford Instruments Intelligent Liquid Nitrogen Level Meter

- Model Number: ILM201

6. Edwards Penning Gauge Reader

- Model Number: 505

7. Edwards Pirani Gauge reader

- Model Number: 501

8. Edwards Controller

- Model Number: 1105

9. Edwards Turbo Pump Controller

Liquid Nitrogen Storage

10. Large Liquid Nitrogen Storage Vessel

11. Small Liquid Nitrogen Dewer

Detectors

12. Princeton Gamma-Tech Intrinsic Germanium: X-Ray and Gamma-Ray Detector

- Model Number: IGP-210

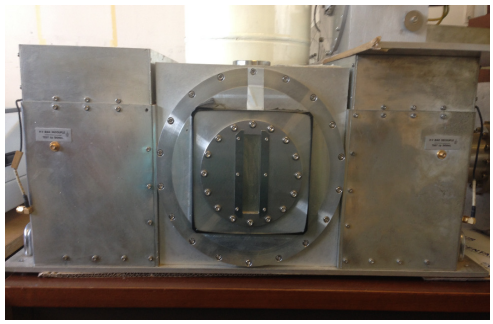
13. Canberra Si (Li) X-Ray Detector

Research Detectors

14.

All these units were designed for high count rate hyper-pure germanium X-ray detectors.
Some at least still contain detectors.
These may be of interest for research projects and Staplethorne would be interested in discussing potential collaboration.

15.



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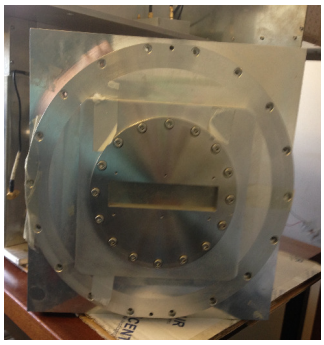


17.

18.

Miscellaneous Items

19. Edwards Pirani Vacuum Gauge Head
- Model Number: PR10-S

20. Electro High Vacuum

21. Edwards Penning Vacuum Gauge Head
- Model Number: CP25-K

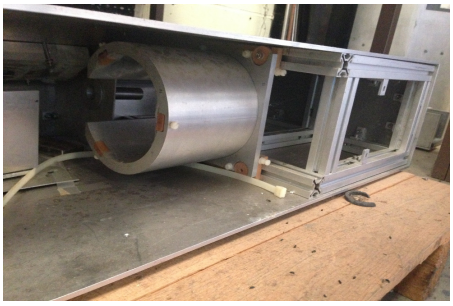
22. Edwards Pirani Head Gauge
- Model Number: CP25-K

23. Edwards Pipeline Valve
- Model Number: PV25

24. Edwards Speedivalve x4

25. Pipeline T-junction plus many other vacuum 'bits and bobs'.

26. X-ray radiation chamber designed for research with 320KV X-ray tube.
We believe that we have most of the parts but cannot guarantee this.
Any missing parts should be easy to source or make.
It is for purchaser to re-assemble and validate radiation safety.
Note that this is very heavy, due to the lead shielding.



27. X-ray detector port for above chamber.
Allows for X-ray detector to be mounted at a range of geometries with respect to the X-ray tube and sample position.