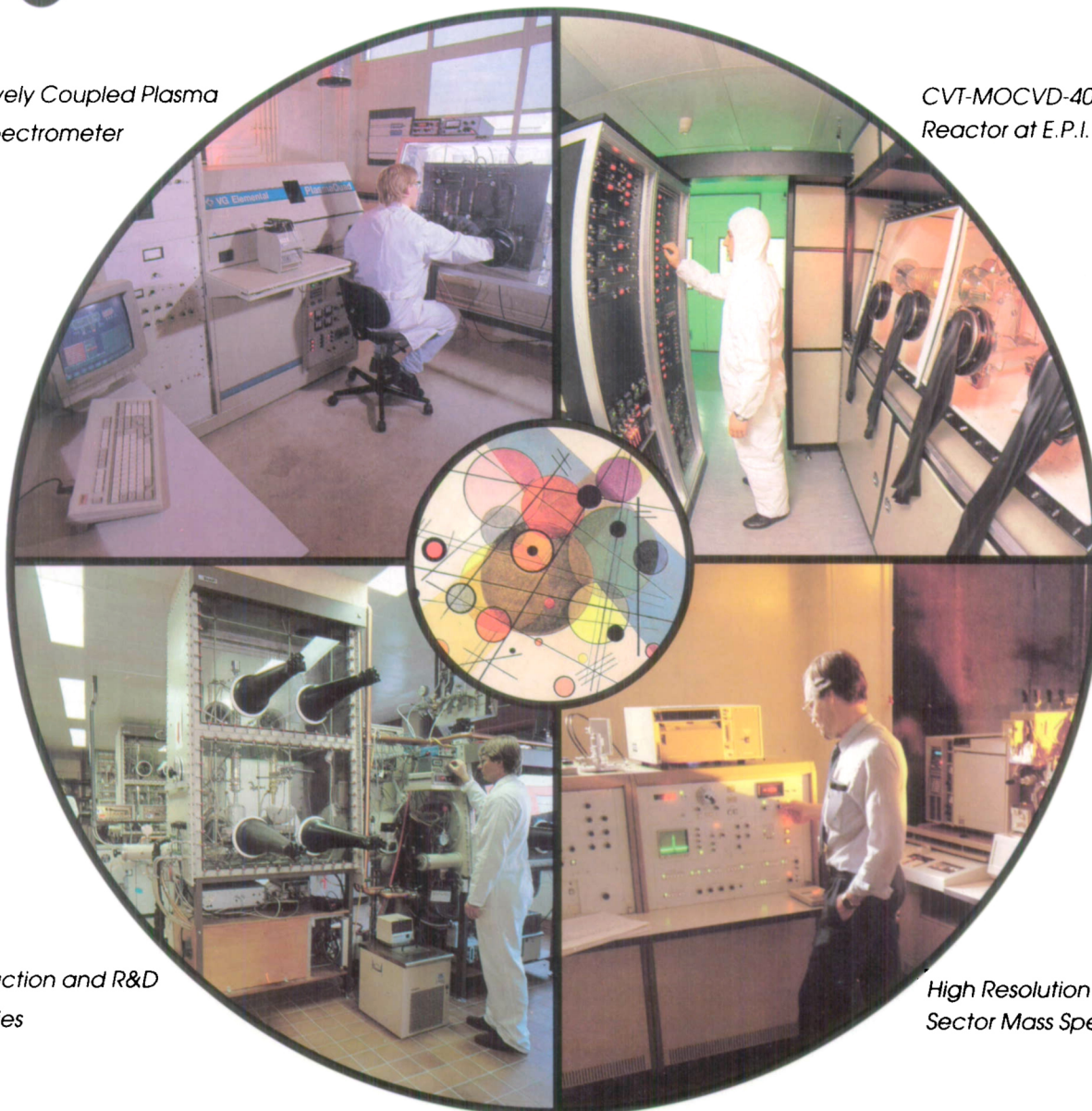


Organometallics for Electronics

Inductively Coupled Plasma
Mass Spectrometer

CVT-MOCVD-4000
Reactor at E.P.I.



Production and R&D
facilities

High Resolution Magnetic
Sector Mass Spectrometer

Organometallics produced and analysed by Billiton Precursors B.V.* are tested by Epitaxial Products International Ltd. and other institutions ensuring products of consistent high performance. Certificates of Analysis and Performance are supplied with each batch.

Typical Precursor Performance

Precursor	Epitaxial layer grown	Temp. °C	Pressure, mbar	V/III	n(300K)	μ(300K)	μ(77K)
TMGa	GaAs	650	100	110	7e13(C-V)	8900	155,000
TMIIn	InP	650	200	270	3e14(C-V)	4600	120,000
TMAI*	Al _{0.25} Ga _{0.75} As	760	950	50	2e15(Hall)	3200	6,500

* FWHM (5K) of Bound Exciton: (Al_{0.10}Ga_{0.90}As) 4.0 meV; (Al_{0.25}Ga_{0.75}As) 4.5 meV



Billiton Precursors B.V.

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