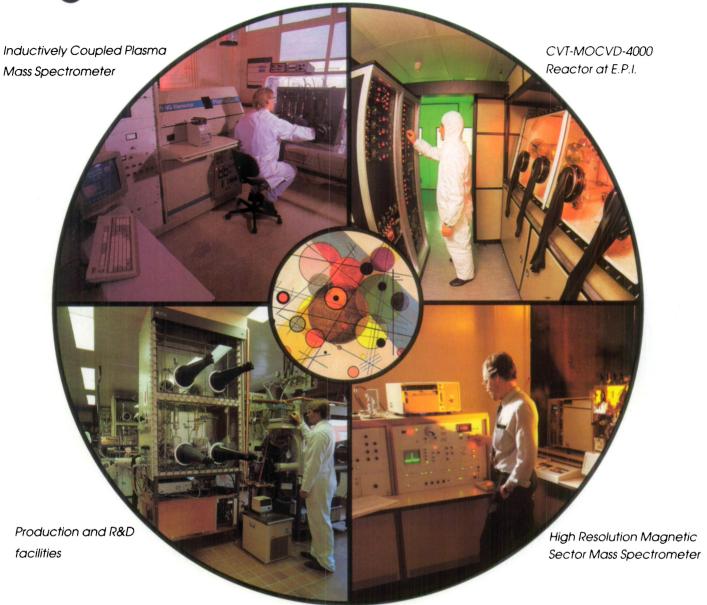
Organometallics for Electronics



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 <u>and</u> Performance are supplied with each batch.

## **Typical Precursor Performance**

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

<sup>\*</sup> FWHM (5K) of Bound Exciton: (Al<sub>0.10</sub>Ga0.90As) 4.0 meV; (Al<sub>0.25</sub>Ga<sub>0.75</sub>As) 4.5meV



## **Billiton Precursors B.V.**

Billiton Precursors B.V.\*, Dr R.G. Lythe, P.O. Box 639, (Westervoortsedijk 67d),6800 AP Arnhem, **The Netherlands**. Tel (Intl)31-85-654882. Fax (Intl)31-85-654664. Telex 75026 bires nl

Billiton Metals Japan K.K.\*, Mr H. Neriishi, Kasumigaseki Bldg 29t, 2-5, Kasumigaseki 3-chome, Chiyoda-Ku, Tokyo 100, **Japan**. Tel (Intl)81-3-581-6303. Fax (Intl)81-3-592-0903. Telex j22373, j22901



▲ A typical UHV internal arrangement for co-sputtering.

▼ Model 6000 modular UHV deposition system.

or as much as superconductivity is changing the future, there will also be changes in the projects you're working on.

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