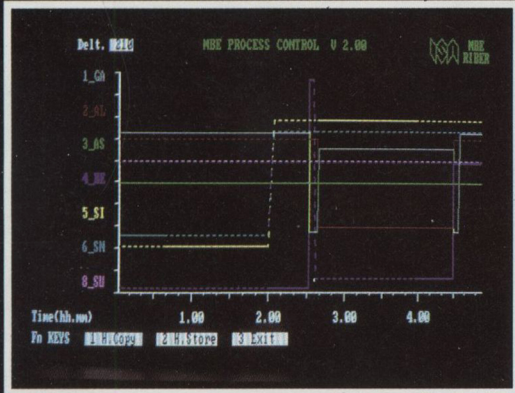


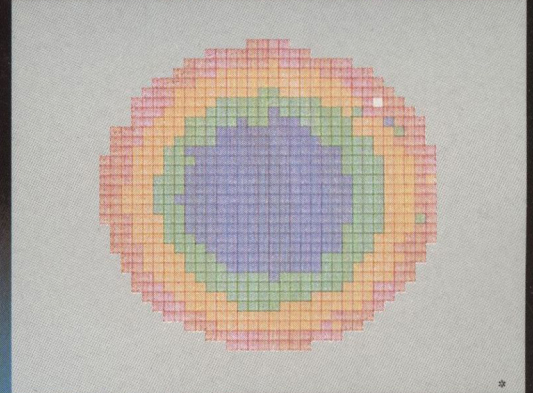
# DEVICE QUALITY GaAs & AlGaAs and HIGH YIELD PRODUCTION on 3" SUBSTRATES

Total process control



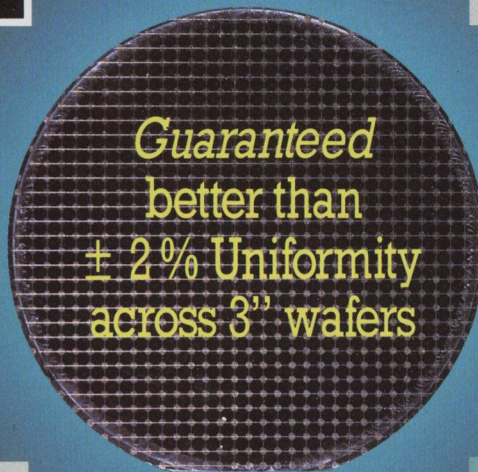
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Highest uniformity



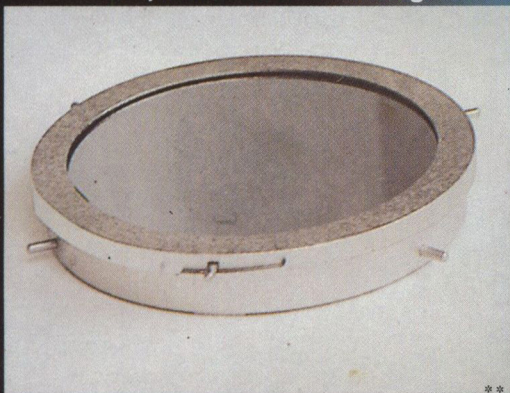
*means*  
unbeaten reproducibility

*means*  
highest yields



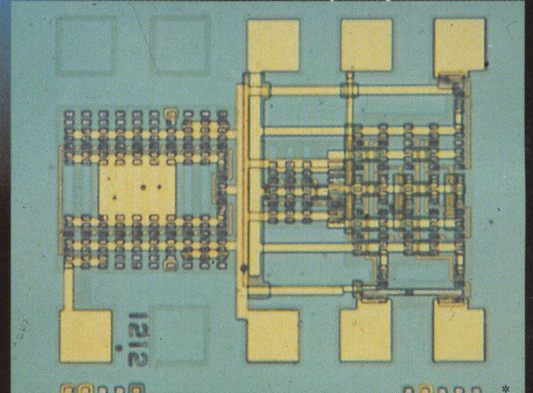
*Guaranteed*  
*better than*  
*± 2% Uniformity*  
*across 3" wafers*

Simple indium-free bonding



*means*  
Advanced GaAs-on-silicon processing

Proven material quality



*means*  
Proven device performance

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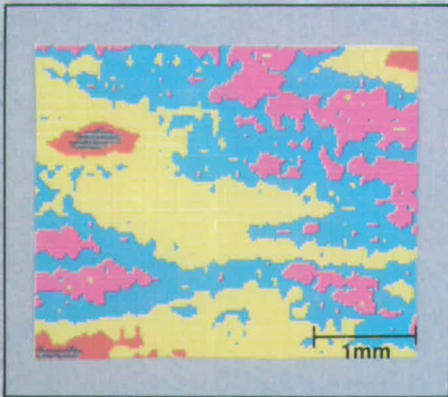
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# **DARC**

## **DIGITAL AUTOMATED ROCKING CURVE**

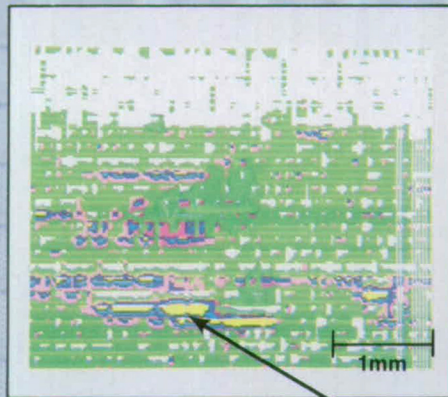
### **X-RAY TOPOGRAPHY SYSTEM**

**HgCdTe - epi**

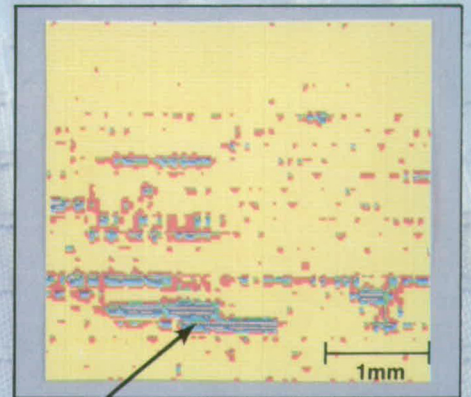


**Subgrain Structure**

**GaAs - wafer**



**Pre-filter**



**Post-filter**

**Dislocation Bundles**

- **DEFECT MAP ENTIRE WAFER**
- **NON-DESTRUCTIVE, NON-CONTACTING**
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