

## **4. Getting Started**

### **4.1 Input to Si Processing in an Industrial Environment**

#### **4.1.1 The Factory**

#### **4.1.2 Producing Semiconductor-Grade Silicon**

#### **4.1.3 Silicon Crystal Growth and Wafer Production**

#### **4.1.4 Summary to: 4.1 Input to Si Processing in an Industrial Environment**

### **4.2 Other Semiconductor Crystal Growth Technologies**

#### **4.2.1 Single Crystals Other Than Si**

#### **4.2.2 No Need For Single Crystals**

#### **4.2.3 Summary to: 4.2 Other Semiconductor Growth Technologies**

### **4.3 Infrastructure**

#### **4.3.1 Cleanrooms and Defects**

#### **4.3.2 Packaging and Testing**

#### **4.3.3 Working in Chip Development and Production**

#### **4.3.4 Generation Sequences**

#### **4.3.5 Summary to: 4.3 Infrastructure**

### **4.4 Summary**

#### **4.4.1 Summary to: 4. Getting Started**