

1)

- **Abrasive** : PKG
- **Accel Mode** : 가 가
(32-200KeV).
- **AC Characteristic** : Device가
Timing 가
- **Access** : Device Data ,
Data Device
Signal 가
- **Access Time** : 1)
Data가
tRAC(Access Time From/RAS) tCAC (Access
Time From/CAS) tCAA(Access Time From Column
Address) , High Speed
System Parameter . 2) Memory
Read Signal 가
- **ACI(After Cleaning Inspection)** : ,
, CD(Critical Dimension :
)
- **A/D Converter(Analog to Digital Converter** :
" 1" " 0"
, ADC
- **ADI(After Development Inspection)** :
, Pattern , CD
- **AGV(Automatic Guided Vehicle)** :
intra-bay cassette 6
. LCD lot
- **AHU(Air Handling Unit)** : ,
Particle
- **Air Shower** : FAB Line ,
Box

- **Aligner** : Photo mask pattern wafer (轉寫)
. Contact, Proximity, Projection, Stepper
type , wafer Flatzone Notch
- **Alignment** : Wafer
Mask
Aligne()
- **Alloy** : Si Al
- **ALPG(Algorithmic Pattern Generator)** : Device
Data ,
instruction Coding
- **Ambient** :
Carrier Gas (N₂, O₂, H₂O). Room
Temperature
- **Analog** :
- **Analog IC** : IC
- **Analog Memory** :
- **Angstrom()** : 1 =1×10⁻⁸cm
. H⁺=0.0592×10⁻⁸
- **Anisotropic Etching** :
() Isotropic Etching(
).
- **Antimony** : Wafer ,
N- Sb .
- **APCVD** : Atmospheric Pressure CVD(Chemical Vapor
Deposition)
(Vapor) 가
Gas
Chamber 가
- **Array Logic** : FILP-FLOP, NAND, NOR, Diode
Logic Circuit Array
() Device.
- **ASER TEST(Accelerated Soft Error Rate Test)** : Hole
decap device alpha source alpha
device가 soft
error
- **Asher** : wafer
PR . PR wafer

1)韓國半導體產業協會, 韓國半導體產業年鑑,2000/2001,
p.455~476.

- **Ashing** : PR wafer (Dry Strip)
- **ASIC(Application Specific IC)** : (輕薄短小) IC 가 IC 가
- **ASIC Memory** : 가 Memory. Multi-port Video RAM(VRAM), Data Cache Memory, Dark Memory Frame Memory Line Memory
- **ASP(Average Selling Price)** : 가
- **Assembly** :
- **Assembly Instruction** : Wafer 가 package device
- **Associate FAB** : wafer 가
- **ASSP(Application Specific Standard Product)** : IC. 가 user IC , IC , Printer controller가
- **ATE(Automatic Test Equipment)** : Test
- **Audio RAM** : DRAM BIT 가 Audio RAM HDD
- **Audio-Doping** :
- **Auto Loader** : (FAB, TEST, ASS'Y)
- **Automatic Loading System** : Carrier Wafer
- **Auto Transfer** : Wafer Boat Loading Unloading
- **Auto Transport System** : Computer System System.

- **Bake** : Wafer Pre-Bake, Hard-Bake, Soft-Bake가 .1) Pre-Bake : Wafer Resist Wafer . 2) Hard-Bake : Etch Wafer Resist . 3) Soft-Bake : Photo-Resist
- **B/B Ratio(Book to Bill Ratio)** : 3 3 WSTS() Data 가 B/B Ratio
- **BGA(Ball Grid Array)** : 가 Ball , 2 P.K.G .(a family of packages for surface mounting)
- **Bipolar** : (Electron) (Hole) 가 (Transistor).
- **Bi-MOS** : MOS Chip
- **BiCMOS(Bipolar-CMOS)** : Bipolar Transistor CMOS Transistor chip IC. Bipolar Transistor , CMOS 가 .
- **Binary Number System** : 2 . 0 1
- **Binary** : 가 10 10 " 0" 2 2 " 1"
- **Bit** : . 2 " 1" " 0" 1 bit . byte 1byte=8bit . 4bit 1chip micro computer micro computer bit bit . 4bit micron data $2^4=65,536$ 4,100 .2 , 2 1011 4 4Bit .
- **Bonding** : wire bonding chip PAD
- **Bubbler** : (DI Water) 가 Wafer

- **Bubble Memory** : ,
- **Buffer Memory** : 2 가
- **Burn in** : (85 125) Device Stress 가 Test , IC가 가 (Reliability) Parameter 가 Over Stress Test.
- **Byte** : 8 Bit 1Byte Computer Word . (1Byte : 8Bit)
- **Cache DRAM** : Cache(data buffer DRAM) SRAM Register DRAM , DRAM SRAM . Main Memory CPU
- **Cache Memory** : 가
- **CAD(Computer Aided Design)** : (). IC, LSI LSI Computer Simulation, Device , Mask pattern , Test pattern Step CAD .
- **CAGR(Compound Annual Growth Rate)** :
- **Capacitance** :
- **Capacitor** : ().
- **Captive Producer** : . Merchant Producer
- **Carrier** : (,).
- **Carrier** : Wafer 1, 5, 20 25

- (Blue Carrier), (Black Carrier), (White Carrier), (Metal Carrier)가
- 1) Blue Carrier : Poly Propylene ,
- 2) White Carrier : Teflon , 가
- **Carrier Handler** : Carrier
- **CAPA** : Capacity 가
- **Capability** : 가
- **CCD(Charge Coupled Device)** : (電荷結合素子). 가 () 2가 (目) . ()
- **Cell** : RAM ROM IC 가 Transistor, Capacitor, Resistor 1Bit
- **Cell Library** : function primitive cell NAND, NOR, XOR Cell Logic Symbol, Electrical data Layout
- **Charge** :
- **Chemical** : 1) Wafer particle ETCH H₂SO₄(), HF(), NH₄OH() Chemical . 2) Line
- **Chemical Analyzer** : Chemical monitoring wet sink .
- **Chemical Filter** : Filter chemical filter KMnO₄, H₃PO₄ NO_x, SO_x, NH₄, H₂, S, filter, chemical particle poresize 0.1μm filter membrane
- **Chiller** : ,
- **Chip** : 가 가

(0.5 10mm)
(Die). , ,
가 .

- **Chip Select** : LSI
LSI .
- **Chip-Set** : System component(TTL,
Controller, PLL) chip
chipset system
solution software .
- **Chrome Mask** : Mask
chrome() 가 Mask.
- **CIM(Computer Integrated Manufacturing)** :
 , ,
 , ,
Computer
- **Class** : 1Ft³ Particle .
- **Class(Number)** : 1 (Ft³) size가 0.5μm²
particle .
- **Class 10** : 1 (Ft³) size가 0.5μm²
particle 가 10 level.
- **Class 100** : 1 (Ft³) size가 0.5μm²
particle 가 100 level.
- **Clean Class** :
Particle . 1M DRAM
0.1μm Particle . 0.5μm
가 1Ft³ Particle
- **Cleanness** : .
- **Cleaning** : Wafer Carrier
(D.I Water) .
- **Clean Room** : , Particle
- **CMOS(Complementary Metal Oxide Semiconductor)** : N
Channel, P Channel MOS Transistor가
Noise
Margin
- **CMOS Logic** : TTL
CMOS Logic IC Family
Family NAND NOR Gate, Flip-Flop
Bipolar Logic IC
CMOS Logic .
- **CMP(Chemical Mechanical Polish/Planarization)** :

1) Slurry wafer
polish() .

2) slurry device layer

- **Coating** : , Wafer
() .
- **Complementary Circuit** :
TR
- **Compound Semiconductor** :
-
(GaAs) 가
가
가
- **Component** :
 .
(, TR, diode, capacitor)
- **Compound Device** : 2
- **Contaminant** : Wafer
 , gas
가 가 .
Mark, dirt, particulate, solvent residue, wax residue,
smudge, spot, stain .
- **Contamination** : 1) Air Born Particle (MCOIL,
Chemical) Wafer가
 . 2) Reticle Defect
Chemical Stain, Wafer Spot
- **Conventional Memory** : DOS
Memory 640KB
Base Memory . Expanded
Memory Extended Memory .
- **COO(Cost of Ownership)** :
Cost . (COO=CEO+CYL)
- **Core** : Embedded IC Micro-operation ALU
CPU Block
(Peripherals) Core .
- **CPU(Central Processing Unit)** : Computer
 ,
- **CPU Core** : LSI Microprocessor
microcontroller . Standard cell SOG Gate
Array library , User

- System ASIC Micon 1 chip
가 .
- **Custom IC** : (Custom IC)
IC.
- **CV(Cleaning Vacuum)** :
- **CVD(Chemical Vapor Deposition)** : APCVD ,
LPCVD
Wafer Poly Nitride, PSG, BPSG, LTO
. Silicon wafer
depositing .
- **Cycle Time** :
- **D-A (Digital to Analog Converter)** :
Analog .
- **DA(Die Attach)** : Die Lead Frame
- **DAC (Digital to Analog Converter)** : Digital
Analog . Hi-Ai CD player
16bit D/A convertor가
- **Data Retention Mode** : (DRAM/CRAM)
power-off
battery back-up circuit 가
- **CDR(Double Data Rate)** : DRAM
2
- **DDR SD (Double Data Rate Synchronous DRAM)** :
(가 가
) 1 2 ,
1 1 SD (가
가) 가 2 .
- **Debug** : ,
Debugging, Screening, BURN-IN .
- **Decoder** : 2 (Decorder)
(10) 2 -10
Decorder . Encoder.
- **Defect** : . product service 가
. defect

- . Class 1 :
- . Class 2 :
- . Class 3 :
- . Class 4 :
- **Demo** :
가 wafer .
- **Density** : Wafer Bit
- **Depletion Layer** : . PN
P Hole N
가
- **Deposition** : CVD
, Si Film() (Oxide, Nitride)
- **Design Rule** :
가 .
- **Develop** : Mask Align expose
Pattern
- **Development** : ,
Pattern
- **Device** : () () .
- **Dicing** : , Wafer
(
)
- **Dicing Saw** : Wafer Die(Chip)
Diamond Wheel.
- **Die** : 가 Wafer
(Wafer IC)
- **Die Bonder** : (Chip) ,
IC
- **Die Bonding** : IC Chip
- **Die Coating** : Die
- **Die Sawing** : Wafer Chip

- **Dielectric Constant** : 가 가
- **Die Sorting** : (Ink Die Non Ink Die) 1 (Pick-up) (Tray)
- **Diffusion** : 가 B() P() (Wafer) 가
- **Diffusion Furnace** :
- **Digital IC** : “ 1 ” “ 0 ” digital IC , MOS IC Bipolar digital IC가 , Logic IC Memory IC
- **Digital Memory** : Digital Memory 가
- **Digitizing** : Mask
- **Dimension** :
- **DIMM(Dual In-Line Memory Module)** : PC Memory module PCB 前面 後面 pin
- **Diode** : di-electrode 2 가 , 2 가 ,
- **DIP(Dual Inline Package)** : 가 IC (Chip)
- **Discrete** : (IC) 가 . TR, Diode, 가 Discrete
- **Discrete Device** : , Transistor Diode
- **Discrete Product** : Diode, Transistor, (Rectifier), (Thyristor)
- **D-I Water(De Ionized Water Semiconductor grade**

- Water**) : (純水), Wafer
- **D-MOS(Double Diffusion-Metal Oxide Semiconductor)** : channel length 가 MOS
- **Dopant** : Dope Dopant
- **Dope** : (, Ion Implantation) dope
- **Doping** : (Wafer) P-type N-type
- **DRAM(Dynamic Random Access Memory)** : Capacitor Cell Device 가 CAP Charge Refresh Cycle . Refresh RAM (capacitor) Memory 가 leak 가 , Refresh DRAM SRAM memory cell memory
- **Dry Etch** : Gas(Plasma)
- **DSP(Digital Signal Processor)** : 가 Digital 1 chip microprocessor. 가 DSP , digital
- **Dummy Wafer(wafer)** : run wafer run wafer run wafer wafer , warming-up run wafer run wafer wafer가 furnace boat wafer sidedummy , run wafer slot fill-up extra dummy
- **DW(Diffused Wafer)** :
- **EDO(Extended Data Output)** : DRAM data access

fast page mode
 /CAS signal inactive high
 valid data가 /CAS signal low active
 data가
 fast page mode tPC(fast page mode
 cycle) speed

● **EDRAM** : Enhanced DRAM(Trademark of Enhanced Memory Systems, Inc)

● **EEPROM(Electrically Erasable PROM)** :
 가 가 OFF Data가
 . Parallel Data Intel Type Serial
 Data NEC Type . Tunneling
 Erase Programming 가
 가 In-System 가
 2 Transistor 1 cell
 EPROM 가 .

● **Electron Beam Exposure System** : Beam
 mask pattern system. , mask
 pattern pattern
 generator가 , 가 ,
 . LSI pattern data
 algorithm , EBMT(
 tape)가 Beam on/off ,
 aperture pattern . ASIC
 , sample needs가
 Mask

● **Element** : Wafer Beam .

● **Embedded Processor** :

● **Epi(Epitaxial Layer)** : Bipolar Transistor

Epitaxial Layer
 ● **Epitaxial** : Epi-Taxial " Substrate 가 Substrate

● **Epitaxial-Growth** : 가 Substrate

● **Epoxy** : Chip Lead Frame

● **Epoxy Dispenser** : Epoxy

● **EPROM(Erasable Programmable Read Only Memory)** :
 ROM 가
 가 ,
 가 가 programmable ROM.
 Program IC Package glass
 bit .

● **Equip(Equipment)** :

● **Erase** : EPROM EEPROM Floating Gate
 Tunneling
 Bit . EPROM
 Floating Gate 가 discharge
 EEPROM Floating Gate 가

● **ESD(Electro Static Discharge)** :

● **Etch** : (defive)

● **Etch Back** :

● **Etching** : Silicon Wafer
 chemical Gas

● **Exposure** : , WF 가
 Mask
 Mask pattern .

● **FAB(Fabrication)** : (Wafer) 가 .

● **Fabless** : 一貫 (wafer fabrication)

● **Fast Page Mode** : Access
 가 /CAS
 signal toggling 가 Access .

● **FET(電界效果 Transistor : Field Effect Transistor)** :
 (電氣傳導) Carrier
 (正孔) 가 Transistor.
 Carrier Bipolar

Unipolar(單極) Transistor .

● **Final Test (/Class Test)** : (Package)

● Flash EEPROM :

EPROM 가 가 EEPROM
 EPROM EEPROM
 , EPROM,
 EEPROM
 가
 Memory Device Block 가 Flash
 Memory NOR , NAND 大別 NOR
 EEPROM Hot Electron
 , NAND
 가
 Memory hard disk

● Flip Chip :

(Solder Bump)
 가 가
 가 20
 30
 D , 가 S
 1
 가 1 가
 D

● Flip Chip Bonding :

(Facedown Bonding)
 ● Forming Die : Forming I.C Lead-frame lead
 , curl, Z form , Die Punch
 lead frame

● Foundry : ASIC

Tool

● FPGA(Field Programmable Gate Array) :

chip 가 CAD

● FRAM(Ferroelectric RAM) :

가 가
 memory cell

RAM SRAM DRAM
 data 가

EEPROM data 가

● Front-End(Fe) :

前

● Full Custom :

tool

chip IC
 MOS transistor level
 simulation, optimization chip area
 layout

● Furnace(=tube) :

Deposition,

Drive-In, Oxidation Alloy

QZ 450 1250

● GaAs(Gallium Arsenide) :

Silicon

Si

5 6
 device UHF SHF GaAs FET, micro
 analog IC, Diode, laser, Hall

● GaAs IC : GaAs

IC. SPAR Computer
 Memory Gate

Array

GaAs IC

● Gas Cabinet : Gas

Gas

● Gas Scrubber : Gas

● Gate : 1)

Transistor

, 2 가

. 2)

MOS

Transistor 가

Bipolar

Transistor Base

● Gate Array :

NOT-Gate, AND-Gate,

OR-Gate, NAND-Gate

Transistor가

Logic

Semi-Custom

Digital IC.

Cell 가

Master Wafer User

- sampling (Tightened Inspection) Lot 가
- **I/O(Input Output) :**
- **Ion Beam Lithography :** Optic, X-ray, electron beam Lithography
- **Ion Implanter :** Ion gas 가 wafer beam
- **Ionizer :** ()
- **Ion Implantation :** 가 가
- **Ion Injection :** Silicon Ion ,
- **ISDN(Integrated Service Digital Network) :** , Facsimile, , Data, , Telex Digital
ISDN(=Digital)
- **Isolation :** Chip TR, Diode, Isolation
- **Isolation in IC :**
- **KGD(Known Good Die) :** Bonding 가
- **Laser Test :** (Yield) Fuse Laser
- **LCD(Liquid Crystal Display) :** (liquid crystal)

- **Lead Frame :** TR, diode, I.C Sawing Die Attach Alloy 42, Copper, Kovar, Steel IDF TTT
- **LED(Light Emission Diode) :** 가 Diode(PN)
- **LCD Driver IC :** (Panel) IC , Panel IC Panel Graphic IC
- **Library :** Gate Array Standard Cell
- **Linear IC :** , Analog IC 가 Audio/Video IC, IC, IC
- **Lithography :** IC, LSI Micro Fabrication
- **Load :** 1) Program Data Memory , Memory Code Data Resistor . 2)
- **Loading :** Wafer Carrier Boat Tweezer
- **LOC(Lead On Chip) :** DRAM(Dynamic Random Access Memory) 가 die size shrink packaging package structure leadframe die paddle , LOC die size , LOC paddle bonding lead figure tape lead die package die
- **Logic Circuit() :** 2
- **Lot :** 1) Sampling . 2) Wafer
- **LPCVD(Low Pressure CVD) :** Wafer Deposition

Gas

● **LS(Large Scale Integration) :**

Transistor 100

● **Macro Cell :**

Library

Core Macrocell

Interface

Input/Output Macrocell

(Inverter, NAND, NOR, TTL Input buffer)

● **Magnetic Memory :**

가

● **Mask :**

가

● **Mask ROM :**

Memory user가 read/write

가 write

memory

Mask ROM

Mask

1 가

ROM

ROM

● **MCM(Multi Chip Module) :**

가

MCM

가

● **MCU(Micro Controller Unit) :**

1 chip microprocessor, RAM,

ROM, I/O interface

microcomputer

"single chip micro

computer"

"microcontroller"

controller

4bit 32bit

● **Memory :**

()

IC. (Read) (Write) (RAM)

(ROM)

CCD,

RAM DRAM, SRAM, VIDEO RAM, SYNCHRONOUS

DRAM

ROM MASKROM, EEPROM, FLASH MEMORY CCD

● **Memory Capacity :** RAM ROM

bit IC Memory가 K

bit, M bit, G bit 가

2 가 1K bit=2¹⁰bit=1,024bit가

1M bit bit 가 1,048,576bit가

4

● **Megabit :** Bit

● **Memory Cell :** Memory IC Data

RAM SRAM, DRAM, SRAM Cell Latch

, DRAM Capacitor SRAM

가

Access,

DRAM Capacitor

Bit

, 가 가 가 가

Leak , Data

Rewrite (Refresh)

가 ROM Transistor (MASK

ROM), Transistor Threshold , Bit Line

● **Memory Module :** memory

memory PC memory

1byte 4byte

DRAM(1bit 4bit)

PCB

PC bus

byte 가

● **Metallization :**

● **Merchant Producer :**

(Open Market)

Captive producer

● **Micro Component :**

MPU(Micro Processor Unit),

MCU(Micro Controller Unit), DSP(Digital Signal

Processor), Chip set, Graphic IC

● **Micom :**

CPU()

IC

(One-chip Micom)

● **Micro IC :**

- **Micron** : Micrometer 1/1,000,000 meter
- **Microprocessor** : Computer CPU
1 (Chip)
- **Microcontroller** :
stand-alone dence
TV, VCR, MWO,
- **Mil** : 1/1,000 Inch. 25.4 μ m.
- **Mixed Signal IC** : Digital Analog
(Combine) IC
- **MIPS(Million Instructions Per Second)** : 가 1
가
- **MMIC(Monolithic Microwave Integrated Circuit)** :
wafer IC
Inductor, Capacitor, , Transistor
- **Module** : 가
- **Molding Compound** : Wire Bonding
가
- **Molding Die** :
- **Monitoring** :
- **Monolithic IC** : 1 가
- **Moore's Law** : 1965 Intel Gordon
Moore TR 가 18 2
가
“ ”
- **MOS(Metal Oxide Semiconductor)** : Silicon
device. MOS Capacitor
, MOC IC Transistor
MOS MOS IC 가 가
, NMOS PMOS
- **MOS FET(MOS Field Effect Transistor)** : MOS
Transistor . Source, Drain, Gate 3
, gate 가 source
drain channel . MOS FET NMOS

- FET PMOS FET 2 가 Bipolar Transistor
Chip device
- **MOS IC** : MOS FET IC.
- **MOS TR** : Metal Oxide Semiconductor
, Oxide 가
Channel Transistor.
- **MPR(Micro Peripheral)** : LSI ,
microcomputer (Keyboard, display, printer,
disk) memory microprocessor
LSI . MMU(Memory Management Unit),
FDC(Floppy Disk Controller), PIO(Parallel Input Output)
- **MSI(Medium Scale Integration)** : 100 10
Transistor
- **Multi-bit DRAM** : 1 DRAM 16M Word \times
1bit(16M DRAM) Word , \times 1
Multi-bit
가 DRAM , 4 , 4M
Word \times 4bit \times 4 .
 \times 8, \times 9, \times 16, \times 18
 \times 32, \times 36
- **Multi-Bit Test Capability** : Memory
Cell
Cell Parrallel Test Cell
- **Multi-Chip** : (IC) 2
Chip Multi-Chip
- **Multi-Processing** : 가
- **Multiple Diode** : 2 Diode
- **Nano** : (10^{-9}). Nanometer 10 1
- **NMOS(Negative-channel Metal Oxide Semiconductor)** :
NMOS 70 80
- **Non-Volatile Memory** :
Memory. Memory
data
data hard disk
floppy disk media 가
memory battery back up . ,

- (NMOS)
Memory가 가 . 非 Memory
가 level
NMOS Transistor
threshold V_{TH} , "1", "0" V_{TH}
- **N TYPE(Semiconductor)** : 5
가 , 가
가 가 가
N-Type N-type
- **NVM(Non Volatile Memory)** :
- **OEM** : (Original Equipment Manufacturing)
- **One Chip CPU** : 가
1 Chip LSI
- **Optoelectronics** :
LED, Optical Coupler, Laser Diode,
Photo detector
- **Oxide** : (, SiO_2)
- **Oxide Film** :
 SiO_2 가 가
- **P-Type Silicon(Positive Type Silicon)** : Major Carrier가
Hole Si . 3가 Si
Hole
- **Package Test Board** : Package Test
Board Test Test Head
- **Package** : TR, Diode, IC
Package mold() type, ceramic
type, cam() type
type pin type
- **Particle** : Line Wafer
가 (100 0.01 μ m)
- **Particle Inspection** :
Particle
- **PAL** : Programmable Array Logic.
- **PCB(Printed Circuit Board)** :
, , TR, IC, LSI,

- **PECVD(Plasma Enhanced Chemical Vapor Deposition)** :
plasma
TFT-LCD insulator a-Si
Chamber가 Plasma GAS
film Plasma
reactant energy
가
- **Pellicle** : Particle defect
(MASK) 가
- **Peripheral LSI** : Test System CPU LSI
microcomputer system
CPU 가
software
CPU LSI
- **PGA(Pin Grid Array)** : Lead가 Package
- **Photo** : Wafer Pattern
- **Photo Conductive Effect** :
- **Photo Coupler** : / () /
()
- **Photo Chemical** : Photo
Chemical Photo Resist,
Developer, Stripper, Thinner, HMDS Organic
Chemical .
- **Photo Diode** : PN 가
PN
- **Photo Etching** :
가 가
, Photo Resist
, Etching
- **Photomask** : wafer 가
(Medium)
- **Photo Resist** :
, 가
Positive Negative 2 가
- **Photo-Resist or Resist** : Positive
Negative 가
- **Photosensitive Semiconductors** : Input Output

- **PLA(Programmable Logic Array)** : Program
- **Planar Transistor** : Silicon Transistor.
- **Plasma** : 가 .
- **Plasma Etcher** : Wafer Passivation, BPSG Layer, SiO₂, AL, TI/TIN, TEOS Plasma CF₄, O₂, Cl₂, gas Etch .
- **Plasma Etching** : 가 Gas Energy (Radical) , , (Dry Etch).
- **PLC(Product Life Cycle)** :
- **PLCC(Plastic Leaded Chip Carrier)** : Package lead가 4 (Package)
- **PLD(Programmable Logic Device)** : 가 가 ROM . PLD ROM ROM , PLD
- **P-MOS** : , Channel 가 MOS Transistor. N , Source Drain 가 P MOS device. Source Drain Channel 가 NMOS ,
- **Poly-Si** : , 가 . r Viewfinder
- **Power IC** : Control Power Tr, Power MOSFET, PWM IC . SMPS, Ballast, UPS, Inverter, AC-DC Converter

- **Probe Card** : Wafer Chip Probe Tip
- **Prober** : Test Wafer X, Y, Z ROOM/HOT Temperature Wafer Point(pad) Test
- **Probing** : PAD Probe Tip Contact .
- **Process** : Process .
- **PROM(Programmable Read Only Memory)** : ROM 가 Program
- **PSRAM(Pseudo SRAM)** : DRAM SRAM Refresh DRAM SRAM
- **P type semiconductor** : P 가 가 P
- **QFP(Quad Flat Package)** : , Lead가 package 4 1.0mm 0.4mm
- **RAM(Random Access Memory)** : Computer Refresh 가 SRAM . DRAM
- **Rambus DRAM** : Rambus DRAM. Data 500MHz Data bus CPU Data ASIC
- **Rectifier** : Diode
- **Refresh** : DRAM MOS FET WRITE-IN

- **Reliability** : Refresh 가 가
- **Resin** : Weak cation tower, mixed bed polisher 가 ion ion 가 ion Chemical
- **Repair** : Laser repair program Repair data Redundancy circuit fuse
- **Resistor Reticle** : 가 Mask , Chip 10 Mask Master Mask
- **Reticle** : Mask (Stepper mask) wafer pattern (가) () wafer
- **RF(Radio Frequency)** : Gas RF Generator
- **ROM(Read Only Memory)** : microprogram, pattern, user가 Programmable ROM(PROM) Mask ROM
- **Run** : Wafer Process (25) 1 Lot 가
- **Screening** : 1) DEBUG, BURN-IN. 2) Lot
- **Scribe** : Wafer Chip
- **Scribe Line** : Die Sawing

- **Scribing** : 가 , Wafer ()
- **Scrubber** : Wafer (D-I Water DI Water+Brush)
- **SDRAM(Synchronous DRAM)** : System Clock Data / 10ns Access Time DRAM
- **Self Refresh** : DRAM refresh refresh mode DRAM self refresh DRAM refresh timer refresh가
- **Self-Alignment** : MOD Gate AL Melting Point가 AL DEP. Thermal Cycle AL DEP Source Drain Drive-In S/D Drive-In Gate Define Alignment Tolerance Overlap Region S/D Parasitic Overlap Capacitance Minimum Size Polysilicon Melting Point가 Si Substrate S/D Formation前 Deposition 가 S/D Formation Drive-In Gate Define Implantation Perfect Align 가 Self-Alignment Packing Density , Source/Drain Parasitic Capacitance 가
- **Semi Custom IC** : Maker cell mask user가 IC/LSI IC. Cell Library
- **Semiconductor** : (가) (가)
- **Shrink** : Chip
- **Silicon** : 4가
- **Silicon Gate** : Gate MOS

- **Si Gate MOS** : MOS FET Gate (Poly) Silicon MOS Device. Al Gate MOS Gate 가 MOS Device .
- **Silicon Nitride** : Mask Si_3N_4 Fab
- **SIMM(Single In line Memory Module)** : Edge connector
- **Slice** : Wafer Silicon 가
- **Slicer** : Level Limiter Level Slicer .
- **Sludge** :
- **Small Signal TR** : Transistor
- **Smart Power IC** : Control 가 IC .
- **SMT(Surface Mount Technology)** : “ ” package lead (SMD : Surface Mount Device)
- **SO(Small Outline)** : I.C 가
- **SOI(Silicon on Insulator)** : SOS(Silicon on Sapphire)가 SOI Silicon User IC LSI SOI 가 3
- **SOJ(Small Outline J-form Package)** : Device "J" Lead PKG PCB .
- **Sorting** : Wafer ,
- **SOT(Small Outline Transistor)** : Transistor.
- **SPC** : Statistical Process Control.
- **Spin Dryer** : Wafer Hot

- **Sputtering** : N_2 Argon Gas Target Wafer
- **SRAM(Static RAM)** : Dynamic RAM refresh RAM. , memory cell DRAM refresh SRAM(Pseudo SRAM)
- **SSI(Small Scale Integration)** : 10 Gate
- **SSOP** : 1) Shrink Small Outline Package. , lead pitch가 SOP(SOIC) PKG 0.025 shrink I/O 가 가 package . 2) SHRINK SOP. LEAD PITCH 1.0/0.8/0.65/0.5mm SOP 8-80PIN.
- **Standard Cell** : Standard cell chip cell Semi-custom LSI Gate Array Custom .
- **Static Memory** : MOS FET Static Memory
- **Stepper** : Wafer 1 Chip Chip Wafer 1 가 가 .
- **Substrate** : () , Wafer
- **Suprem** : Diffusion, Thin Film, Photo, Etch Computer Program 가 1 Tool.
- **Surface Mounting** :
- **Synchronous DRAM** : Master clock serial data Read/Write burst Mode 가 JEDEC DRAM
- **System On Chip(SOC/System LSI)** : Microprocessor, Memory, I/O Interface

(Device).

● TAM(Total Available Market)

● Taping : Wafer Tape ()

● Target : Sputtering Wafer

● TC Bonder(Thermo Compression Bonder) :

● TEOS(Tetra Ethyl Ortho Silicate) : Si Source

● Tester : Computer가

● Test : Test Program pass/fail

● TFT(Thin Film Transistor) :

FET

● Test Handler :

TEST

● Thick Film IC :

가 5

1) Ceramic Silk-Screen

2) 0.5 1mm 가 ()

3) FAB 1000

● Thin Film : Thick Film

(5 micron)

● 3D Circuit Device : LSI Device

LSI

Silicon LSI

3 가

Sensor 3 CMOS 가

● Thyristor : PN 3 ON/OFF 2 가 OFF ON

● Transistor : Emitter Collector Base Base Carrier 가 Unipolar Transistor Bipolar Transistor

● Trim : Molding compound over flow lead가 short dambar open dambar assembly

● Trim/Form : Package lead I.C

● Trim Lines :

● Trimming : Lead frame type molding unit Deflating plastic molding flash

● Trimming Lead : Lead frame molding resin 가 deflash dambar " "

● TSOP(Thin Small Outline Package) : Package 가 1.0mm SOP(SOIC) PDIP Package가 System

● TSSOP(Thin Shrink Small Outline Package)

● TTL(Transistor Transistor Logic) : Transistor Transistor

● Utilisation : 가

● Vacuum Tube : Transistor 가

가 Transistor IC

● **VGA(Video Graphics Array)** : VGA PS/2
IBM

640*480 16
320*200 256

● **VHSIC(Very High Scale IC).**

● **VHSIC(Very High Speed Silicon Integrated Circuit)** :

● **VRAM(Video RAM)** : 1) DRAM Serial
Register SRAM Chip
Memory DRAM SRAM Parallel Data
가 SRAM Data

2) Video
RAM CRT
Display

● **Virtual Memory** : 가
Memory가 가 Memory (磁器)
IC 가

()
가

● **Visual Inspection** : Chip
Device

1)
2) Metal : Metal
3) Side Chip : Wafer 가 Chip 가

4) Untest : Test
5) Chip Out : Chip 가
가
6) Crack() : Chip

● **VLSI(Very Large Scale Integration)** : 1000
Gate

● **Wafer** : (Si)

(4, 5, 6, 8, 12" wafer가)

● **Wafer Carrier** : Wafer

● **Wafer ID** : RUN Wafer Wafer

● **Wafer Sort** : wafer level GO/NO-GO test
test wafer prober prober card가
test가 가 Die assembly前
Die GOOD/NO-GOOD good
assembly

● **Wet Station** : Chemical(H₂SO₄, FH, BOE, NH₄, OH)
DI wafer wafer
cleaning oxide film
wet station

● **WIP(Work In Process)** : ()

● **Wire Bonder** : TR IC

Wire Bonding
Wire Bonder

● **Yield** :
Wafer Wafer
test 1wafer chip Wafer
chip chip
chip

가