

OXFORD Plasma lab system100

GAS BOX CONFIG

GAS 1 MKS 1479A 5%SiH₄/N₂ 1000SCCM
GAS 2 MKS 1479A NH₃ 100SCCM
GAS 3 MKS 1179A N₂ 2000SCCM
GAS 4 MKS 1179A N₂O 3000SCCM
GAS 5 MKS 1179A O₂ 300SCCM
GAS 6 MKS 1179A Ar 500SCCM (TEOS carrier gas)
TEOS THERMOTANK:THERMOCENTER salvis LAB

CHAMBER CONGIF

Chuck ϕ 202mm (ϕ 2' ϕ 4' ϕ 6' ϕ 8')
Shower head ϕ 225mm

RF SYSTEM

RF Generator: AE RFX600A
MATCH BOX:OPT AMU OXFORD
LF Generator: AE LF-5
MATCH BOX: MANUAL TRANSFOR UP

PRESSURE CONTROL

VALVE:VAT 12036-PA44
MKS VALVE CONTROL:253B

TURBO PUMP

ALCITEL ACT200T CONTROL UNIT
ALCITEL ATP 80/100 TURBO PUMP

LL CHAMBER

ϕ 2' ϕ 4' ϕ 6' ϕ 8' single wafer auto transfer
SLIT VALVE:VAT 02110-BA24-AQZ1
PIRANI GAUGE:EDWARDS APG-L-NW16
VACCUM GAUGE :EDWARDS AIM-S-NW25

DRY PUMP

EDWARDS:QDP40

SYSTEM CONTROL

HP PC system, Windows XP

POWER

POWER:208VAC 3PHASE
FULL LOAD:25AMPS



