

AST / Mattson 2800 Rapid Thermal Process (RTP), 8"

Asset ID: 28858

Configuration:

AST / Mattson 2800 Rapid Thermal Process (RTP), 8"

- Dual Load Lock
- Single Chamber

30L N2high

- 50psi @ facilities, 2bar @ tool, Dynamic (full N2 flow)
- 60psi @ facilities, 2.8bar @ tool, Static (no N2 flow)

10L O2high

- 40psi @ facilities, 2bar @ tool, Dynamic (full O2 flow)
- 42psi @ facilities, 2.5bar @ tool, Static (no O2 flow)

O2low

- 40psi @ facilities, 2bar @ tool, Dynamic (full O2 flow)
- 42psi @ facilities, 2.5bar @ tool, Static (no O2 flow)

10L Ar

- 40psi @ facilities, 2bar @ tool, Dynamic (full Ar flow)
- 43psi @ facilities, 2.5bar @ tool, Static (no Ar flow)

CDA:

- Facilities: -90psi
- Tool: -5.5bar

Chamber High Cool:

- Bottom: 17/18 m3/h
- Top: -26/27 m3/h

Chamber H2O Cooling: @facilities - 6.8LPM

O2 Sensor final testing:

- 30L N2 flow in chamber @ 30 second - 3ppm O2
- 5L N2 flow in chamber @ 60 seconds - 4-5ppm O2

(Continued...)

Photos on Following Pages

To our knowledge, the information contained in this data sheet is accurate, but it may contain errors and we do not warrant the completeness or accuracy of this data.

Interested parties may contact Bridge Tronic Global for additional information at +1 949.396.1395 or sales@bridgetronic.com



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Configuration....

Robot Station Names:

- A: primary sender
- I: secondary receiver
- F: furnace
- D: cooling station 0
- cooling station 1 (no cooling station 1, used for dummy station)
- C: dummy wafer station

Pyrometer Calibration:

- Un-calibrated Pyrometer check – Pyro 878C output at 1080TC with emis1300
- Calibration Recipe – TOMCAL.2
- Calibration File - TRCAL0923

Facilities Connections at Bottom Rear of Tool:

- CDA 1/4 Inch Swagelok 90-120PSI
- PCWS 1/2 Inch Swagelok 8slpm
- PCWR 1/2Inch Swagelok 60-120PSI
- PCWS 1/2Inch Swagelok
- PCWR 1/2Inch Swagelok
- HiFlow N2 1/2Inch Swagelok >90PSI in operation
- Cooling N2 1/4Inch Swagelok 10-30SLPM
- Vent1 3/8Inch Swagelok - Acid Exhaust(separate all the way to main exhaust pipe)
- Vent2 3/8Inch Swagelok - Acid Exhaust(separate all the way to main exhaust pipe)
- 11/2 Inch Exhaust 11/2Inch Tube Acid Exhaust

Middle Bottom of Tool: Blower Output 4Inch Tube Heat Exhaust

Front of Tool: House Vacuum 1/4Inch Swagelok 600 mbar

Electrical Requirements:

- Power Consumption 43KVA
 - Voltage 208VAC 3phase
 - Current per Phase 125amps
- 125max fusable

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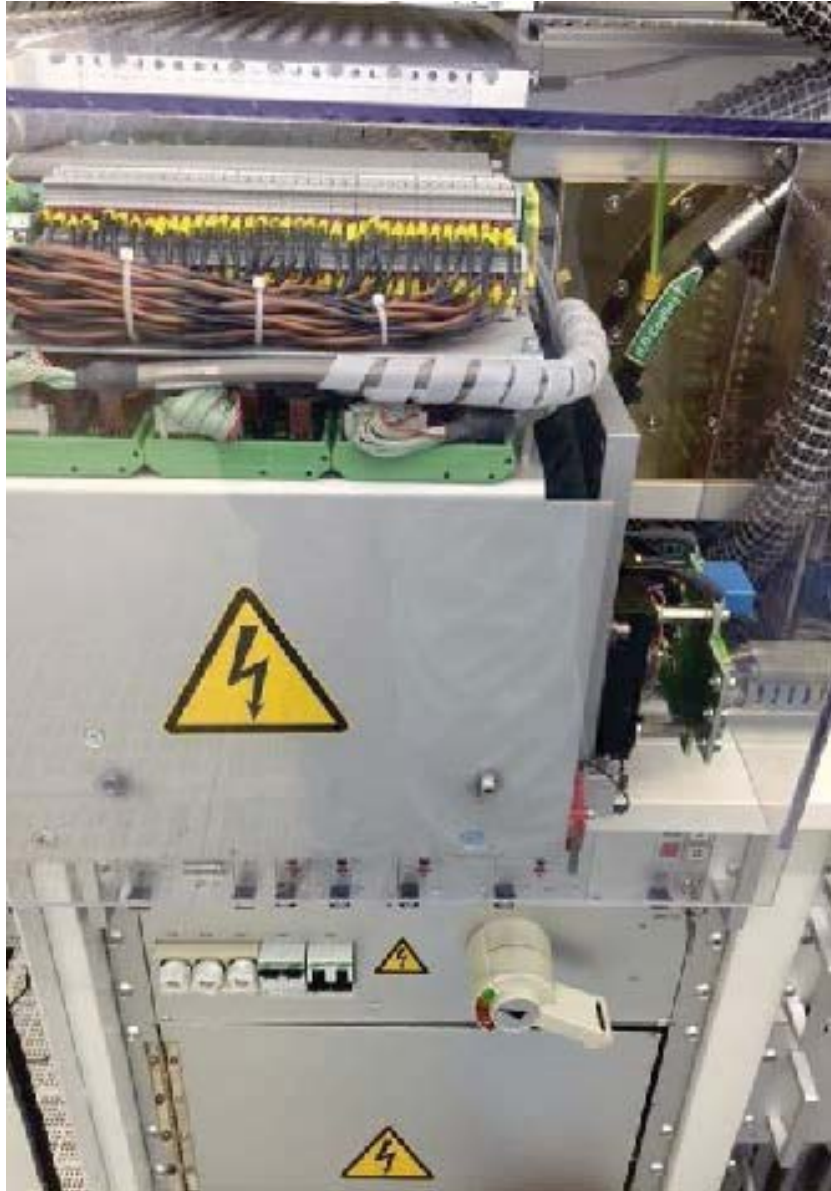
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