TAS300
Type E-4

FOUP Load Port
TAS 300 Type-E4

Key Features

- **Compliance:** SEMI E15.1, E57, E62, E63, E64, S2 and S8
- High reliability with TDK patented stopper design for all type of FOUPs
- Port door has excellent durability for repetitive operations
- No need to adjust Loadport for each FOUP Vendor
- **Options:**
  - Mapping Unit with Double Wafer Detection
  - CID Kit
  - CE

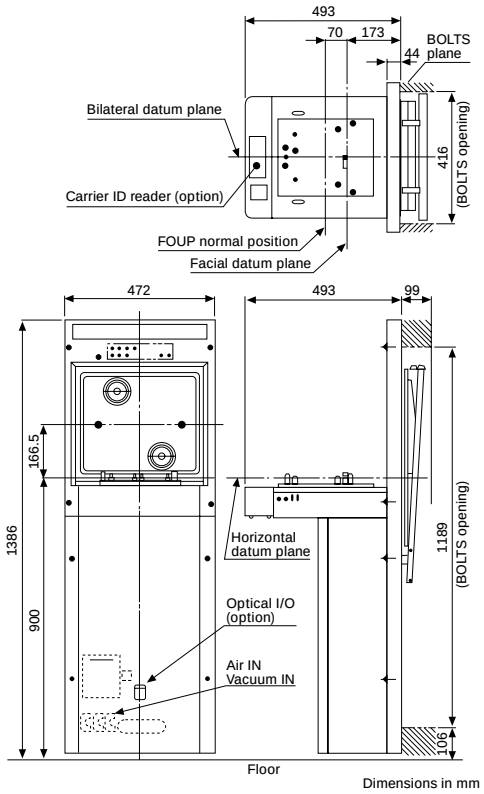
Contamination Free Clean Technology realized by TDK

e-material solution provider

TDK

TAS300 Type-E4 Specifications

	TAS300 Type-E4
Designed for FOUP	300mm FOUP (for 25 wafers) Complies with SEMI E47.1, E62
FOUP clamp	Kinematic pin positioning Employs front retaining feature (air driven)
FOUP door securing	Vacuum suction
Detection Function	Detects presence of FOUP Detects FOUP normal placement position Obstacle detection Prevents hand front being caught FOUP docking Wafer flying out Foup door detection
Stroke	y-axis (FOUP forward and back motion): 70mm (SEMI standard) z-axis (FOUP door rise and lower motion): 375mm
Repeat accuracy	y-axis (FOUP forward and back motion): ±0.1mm z-axis (FOUP door rise and lower motion): ±0.1mm
Operation time	**Without mapping** FOUP open operation: 10sec. FOUP close operation: 10sec. **With mapping (optional specifications)** FOUP open operation: 20sec. FOUP close operation: 10sec.
Unit mass	Approx. 55kg
Utility	Power: DC.24V±5%, 3A (full-load current: 2A) Short-circuit breaking capacity: 20A Dry air: 0.52 to 0.6MPa, 5l/min (ø6mm air tube) Vacuum:30 to 50kPa, 10l/min (ø8mm air tube)
Options	1. Aluminum frame caster 2. Mapping unit 3. CID (1) Keyence BCR (2) Omron RF-IDR/W (3) Hermos Asyst RF-JDR/W 4. Optical I/O 5. Seal (Nichias soft seal T/#9096-TB-54) 6. Ejection detection sensor designed for quartz glass 7. Info Pad (1) Info Pad A and B (electrical detection) (2) Info Pad C and B (lock-out pin) 8. Over-rotation latch key 9. Registration pin



Dimensions in mm

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