

CHAD SMIF EZ

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The **CHAD SMIF EZ** is the latest product offering in CHAD's 200mm SMIF pod opener line, designed for use on CHAD Flexible Front Ends and for OEM integration. Utilizing a single, centrally mounted lead screw, the SMIF EZ has smooth motion and eliminates the binding / hunting possible in dual screw/motor designs. Designed for a compact footprint with CE/Semi compliance, the **CHAD SMIF EZ** provides an economical, high performance solution to contamination control for 200mm systems. Featuring adjustment free pod lock mechanisms, an optimized stepper motor drive and a modular build/test design, the **CHAD SMIF EZ** provides the integratable solution for today's leading edge 200mm wafer processing systems.

Technical Specifications

Cycle Times

Open Pod < 8 secs
Close Pod < 5 secs

Wafer Size

200mm
150mm (with Chad 6x8 adapter)

Cleanliness Compatibility

ISO Class 2

Communication Interface

RS-485, manual , parallel

Power Requirements

24 VDC

CDA Requirements

60-90 PSI
413-620 Kilopascals

Reliability

>500,000 cycles

Sensors

Pod Present
Pod Latched / Unlatched
Pod Locked / Unlocked

Compliance

SEMI S2-*pending*
SEMI E19.4-*pending*
CE Certified-*pending*

Weight

54 pounds
24.5 Kg

Size

Width 340mm
Depth 332mm
Height Open* 841mm
Height Close* 620mm

Features

Single, centrally mounted motor and ball screw

Optional Wafer protrusion detection

Optional copper interlock pin

Hard Stop Pod lock mechanisms

Modular Configuration with major module field replaceable items

Minimum Air pressure interlock

* Max height (Plexiglas shield)

Preliminary specification, information subject to change