

DURADRIVE

Boatloader

Bruce Technologies Inc.

The **DURADRIVE™** Boatloader from Bruce Technologies, Inc. provides production and technology solutions with the low cost of an upgrade. Designed to provide enhanced wafer loading capability to horizontal furnaces, the **DURADRIVE™** Boatloader is compatible with Bruce horizontal furnaces, as well as certain alternate vendor furnaces. New features across the board provide additional functionality, easier maintenance and international standardization compliance.

A mean time between failure (MTBF) greater than 4500 cycles guarantees a low-maintenance return on your investment. Engineered to provide enduring performance, the **DURADRIVE™** Boatloader has industry-leading thrust capability of 280 lbs. for positive O-ring compression. Additional interlock I/O capability is available to support positive door seal mechanisms and continuous vacuum systems. Integrated autodoor and softlander support is provided without the need for additional relays or electronic components. A remote, manual pendant allows a single operator to easily adjust the boatloader, autodoor or softlander. The new **DUR-ADRIVE™** controller has self-diagnostics, which continually monitors critical component parameters including power supply voltages and printed circuit board temperature. Other features include a brushless motor, small mechanical electronics package and CE and SEMI safety compliance.



Key Benefits

- MTBF >4500 cycles
- Increased thrust capability
- Easy setup with the use of the remote pendant
- Reduced calibration time
- Increased safety features
- Compact controller design for easy replacement in existing systems

Key Features

- Atmospheric or VCVD
- 100mm - 300mm wafer capability
- Autodoor and Softlander compatible
- Automation compatible
- 280 lbs. thrust capability
- Brushless motor design
- Manual pendant
- Safety specification compliance

SEMI S2-0200, SEMI S8-95A, SEMI S8-1000,
SEMI E33-94, CE



DURADRIVE™ Boatloader

