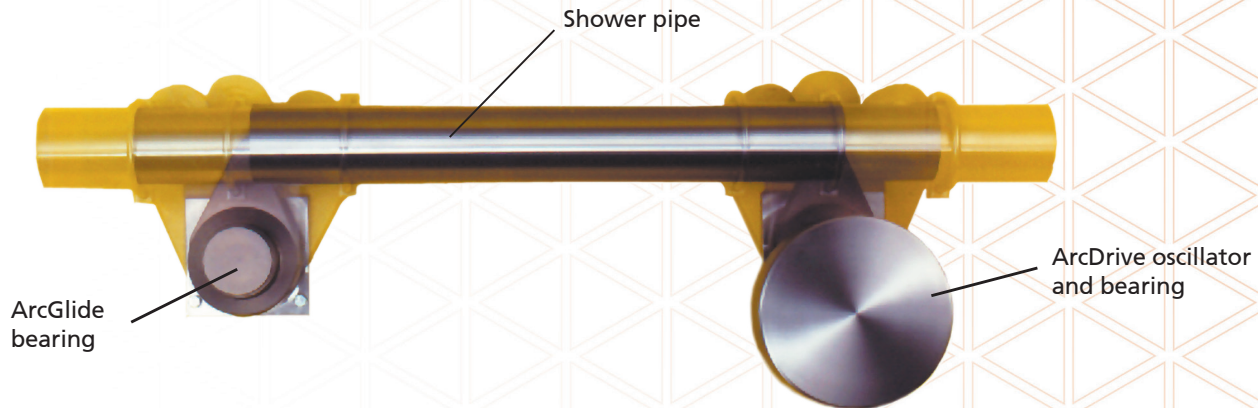


# ArcDrive™ Oscillator



The ArcDrive oscillator was designed exclusively to power the revolutionary ArcGlide™ shower bearing. The ArcGlide shower bearing's patented conversion of arc motion into linear motion enables the ArcDrive oscillator to use smooth, rotary motion to power the shower oscillation bearing system.

The shower bearing is the most fundamental component of any shower oscillation device. A component that must contribute reliability and longevity to produce paper machine efficiency. The ArcGlide shower bearing, a unique shower bearing, is so durable, easy to maintain, and easy to install that it is the standard by which other shower bearings are compared.

Kadant has patented the concept of transforming the patch of two arcs into perfectly linear cross machine movement. Anti-friction bearings now support the shower. Sliding friction has been replaced by rolling friction – a 90% reduction in required oscillator thrust. Low oscillation force results in optimum oscillator life.

## Overview



### Features

- 316 stainless steel construction
- Self-contained rotary actuation
- Rated up to 250°F (120°C) ambient temperature
- Stand alone advanced controls
- Integrates into the DCS



### Benefits

- No ballscrew or thrust bearing
- No reciprocating shafts
- No air volume changes, no condensation build-up
- No oil-filled barrel
- Minimal maintenance