Short Stroke Actuators
TUCANA ST and AQUARIUS ST short stroke actuators feature:

- ETEL high efficiency single phase motor
- Very short move & settle time
- Excellent position repeatability
- 1 Vpp encoder
- ETEL high efficiency single phase motor
- Optimized form factor
- Built-in gravity compensator for move-up in case of power failure
- Highly accurate force limitation capabilities
- High dynamics
- Long lifetime
- Good thermal behavior thanks to built-in heatsink on the external housing

Main Features

**AQUARIUS ST**

- Total stroke: 10 mm
- Peak force: 214 N
- Continuous force: 31.4 N
- Speed up to 1 m/s
- Acceleration up to 40 g

**TUCANA ST**

- Total stroke: 10 mm
- Peak force: 68.4 N
- Continuous force: 12.1 N
- Speed up to 1 m/s
- Acceleration up to 40 g

ETEL’s short stroke actuators are suitable for all applications requiring pure axial movement over a short stroke, especially when high dynamics and a small footprint are key requirements. Such applications include touch pad calibration, chip shooters, die ejectors, and many more.

Coupled to ETEL’s RTMB+ indexing tables and ACCURET controllers, the TUCANA ST and AQUARIUS ST are a perfect solution for the stringent requirement of Turret testing handlers.