

# IMA-S: HYGIENIC INTEGRATED SERVO ACTUATOR

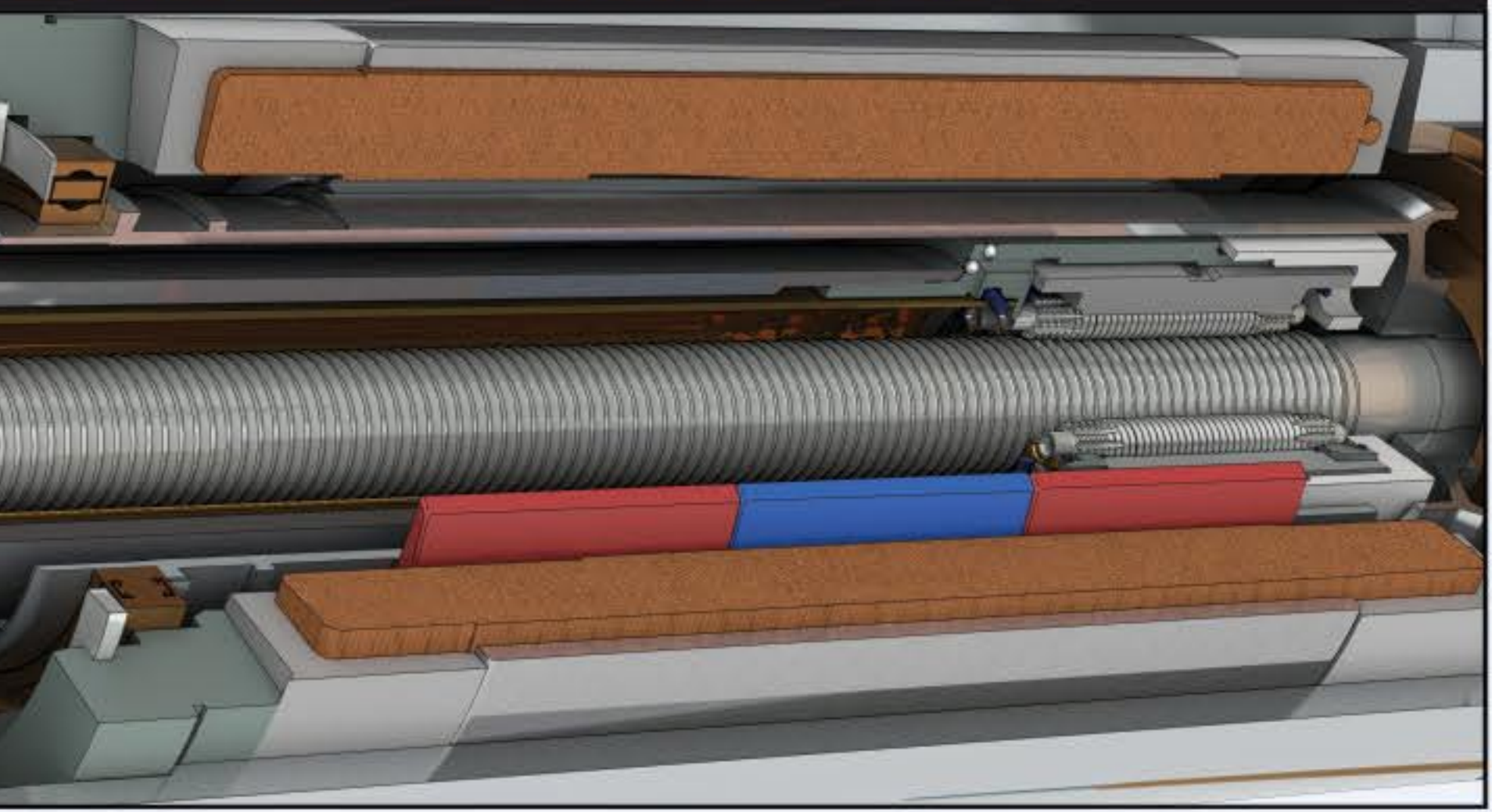
## ENDURANCE TECHNOLOGY<sup>SM</sup>

Endurance Technology features are designed for maximum durability to provide extended service life.

The IMA-S is a hygienically designed integrated servo actuator for the food and beverage processing industry. The hygienic design features all 316 stainless steel construction, IP69K ingress protection, blue seals/o-rings, and hygienic fasteners/cord grips allowing for open machine designs and clean-in-place compatibility. The product line also includes the IMA-SA model which incorporates an internal anti-rotate feature eliminating the need for an external guidance mechanism making it a perfect actuator for applications such as volumetric filling and pumping.

### EFFICIENT INTEGRATED MOTOR DESIGN

- Skewed winding minimizes cogging torque for smooth, repeatable motion
- Low electric time constant motor for quick response
- Power dense
- 230 Vac or 460 Vac windings



### STAINLESS STEEL DESIGN

- 316 Stainless steel construction
- Superior corrosion resistance

### HIGH RESOLUTION FEEDBACK

- OPTIONS:**
- Multi-turn absolute encoder, Hiperface, Hiperface DSL, EnDat 2.2
  - Resolver
  - Incremental encoder

### DRIVE/ROBOT CONTROLLER COMPATABILITY

Compatible with the following robot & drive/controller manufacturers:

- Allen Bradley
- Beckhoff
- Bosch Rexroth
- Nidec
- Kollmorgen
- Lenze
- Siemens
- And More

### HYGIENIC CORD GRIPS

- EHEDG (European Hygienic Engineering and Design Group) cord grip eliminates harborage points

### FOOD GRADE GREASE

- FDA approved grease

### WELDED JOINTS

- Welded, polished joints create the most hygienic seam

### HEX FASTENERS

- Stainless steel for corrosion resistance
- Hex head design for fewer particulate collection points



- Hygienic fastener option available

### BLUE GASKETS & O-RINGS

- Chemically inert
- Wear resistant
- FDA approved

### FLEXIBLE FEEDBACK & CABLE OPTIONS

- Single (DSL) and dual cable options



### MULTIPLE SCREW TECHNOLOGIES

- Ball screws provide efficient motion at an economical price
- Roller screws provide the highest force and longest life



### IMA-SA INTERNAL ANTI-ROTATE OPTION

- Provides hygienic, internal anti-rotate feature, eliminating need for external guidance mechanism
- Often used in volumetric filling and pumping applications

### GREASE PORT

- Integrated into rod end for hygienic design
- Screw re-lubrication system via needle zerk extends screw service life

### FIELD REPLACEABLE SEAL CARTRIDGE

- IP69K rated, wash-down protection
- Clean-in-place compatible

### FDA APPROVED SEAL OPTION

- Compliant to FDA standards for human and food contact

### ADDITIONAL OPTIONS

- Brake
- Externally threaded rod end
- Front flange mount
- Rear clevis mount
- Food grade grease
- Hygienic Fasteners
- FDA rod wipers