AIR BEARING
LENS TURNING SPINDLE
09421

CONTACT LENS TURNING

ENCODER INTERPOLATIONS

AUTO COLLET

DYNAMIC RUNOUT SUB 20NM

Speed Range	1000—10,000 RPM
Motor Type	Brushless DC—8 Pole
Motor Power	450 Watts
Continuous Torque	0.45 Nm
Axial Stiffness	≥ 6 Kg/um
Radial Stiffness	≥ 1.3 Kg/um
Axial Load Capacity	≥ 45 Kg
Radial Load Capacity	≥ 19.8 Kg
Noise at 10,000 rpm	< 75 dBa
Asynchronous Error Motion (Axial)	≤ 20 nm
Synchronous Error Motion (Axial)	≤ 20 nm
Feedback	Directly coupled rotary encoder
Encoder Line Count	1024/1800 Lines
Velocity Ripple	< 0.1% @10,000 rpm
Air Supply Pressure	0.55 MPa
Air Consumption	≤ 80 L/min
Cooling Water Flow	2 L/min
Weight (Approx)	1.5 Kg
Body Diameter (Nominal)	45 mm

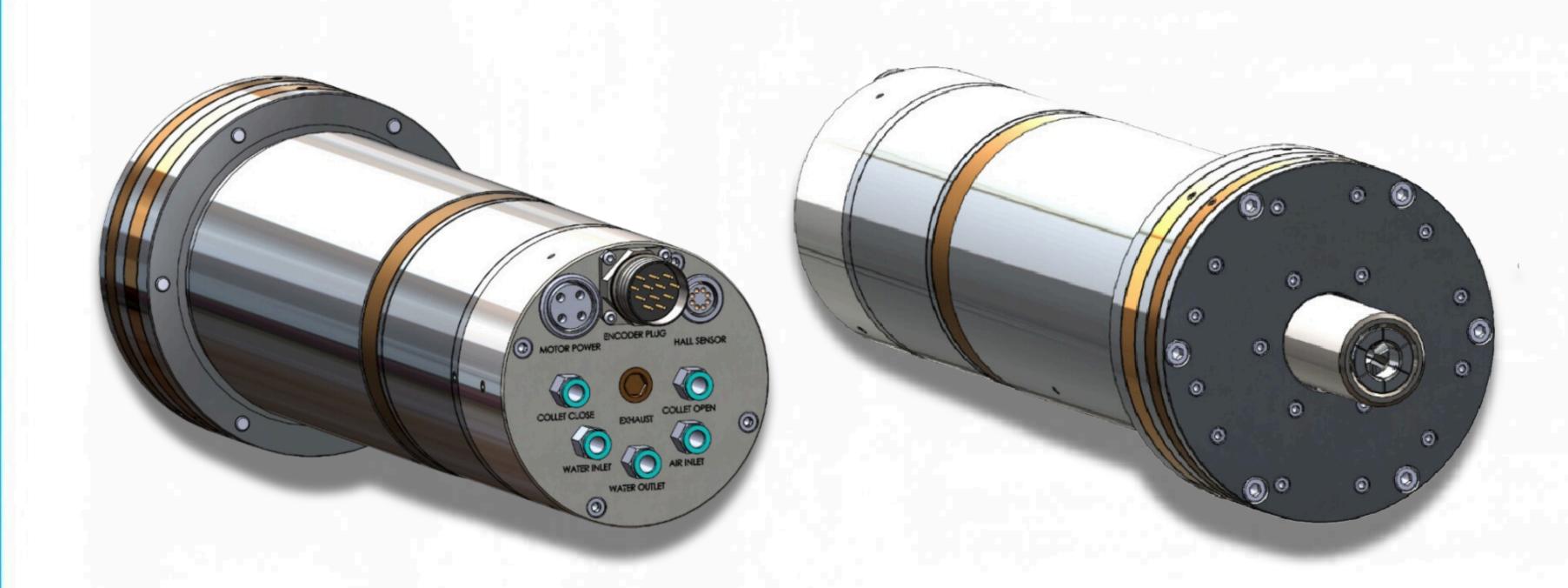


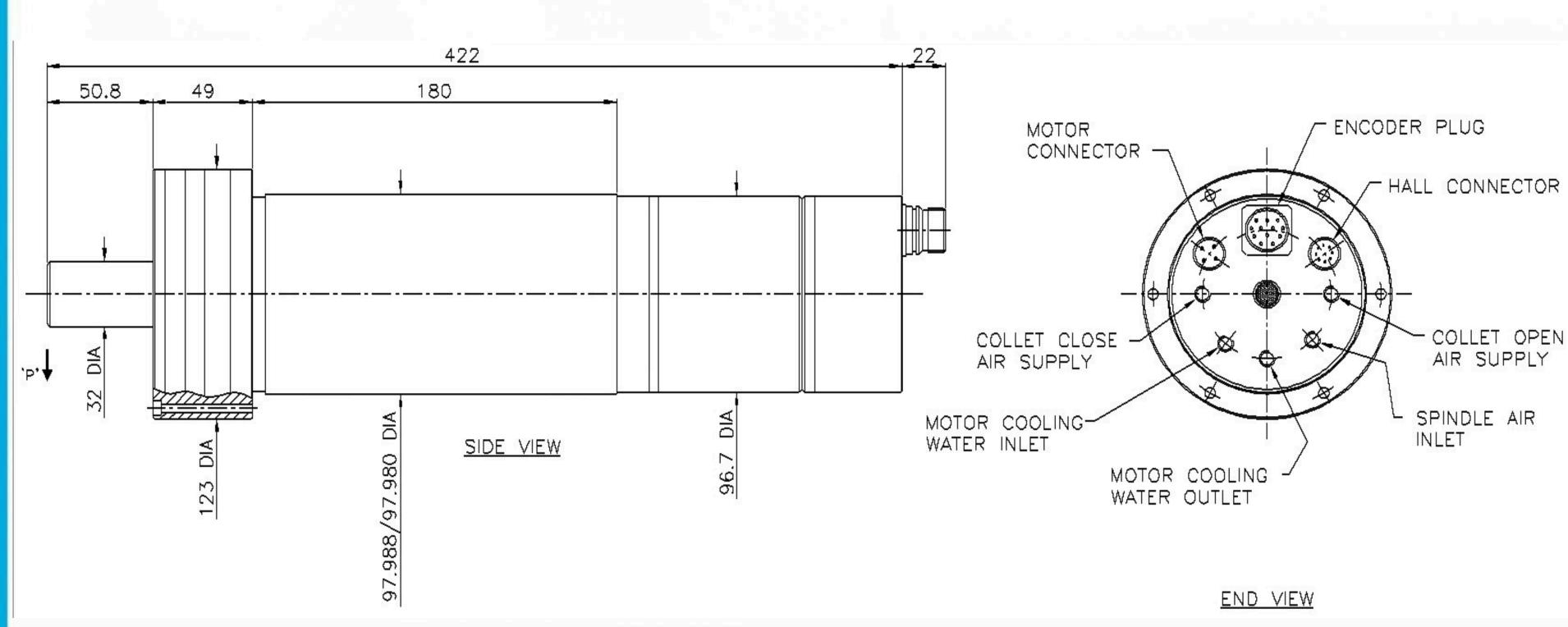
•WITH ENCODER TECHNOLOGY TO MAXIMISE PRECISION AND SMOOTHNESS OF ROTATION FOR IMPROVED SPEED CONTROL AND LENS FINISH

INTERCHANGEABLE, COLLET SYSTEM

*RANGE OF COLLET SIZES AVAILABLE ALLOWING MAXIMUM PRODUCTION FLEXIBILITY

• PNEUMATIC AUTOMATIC TOOL CHANGE SYSTEM ALLOWS RAPID COMPONENT CHANGES OR AUTOMATED ROBOT LOADING.





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