

Bonfiglioli Tecnoingranaggi

Compact Precision Planetary Servo
Gearmotor with Integrated Drive



PRODUCT

 **Bonfiglioli**
Forever Forward

Intelligent Mechatronic Solution – Tailored to Your Applications

This decentralized intelligent mechatronic solution is the expression of a complete integration and synergy between drive, motor and gear technology.

Ideally suited to multi-axis applications where several motors are mounted in close proximity on the machine. Bonfiglioli Intelligent Mechatronic Solutions allow a decentralized approach for motion control.

The drive system can be controlled by a master through EtherCAT® or CANopen® interface or work in stand-alone mode for applications that do not require strict synchronism of all axes.

Integrated solutions are suitable not only for packaging, handling, filling, bottling and capping machines but can be used wherever the decentralized drive control and highest compactness is a special requirement of the application.

Features:

- Integrated Motion Functions: Interpolated Mode, Positioning, CAMprofile
- STO - Safe Torque Off Function
- Output Torque: 8 ... 800 Nm
- Input Motor Speed: 3000 rpm
- Designed for Continuous Duty and Intermittent Operation
- Additional Inertia Feature
- Electromechanical Holding Brake
- Equipped with Single Turn and Multi Turn Absolute Encoders
- IP65 Protection for Rugged Applications

Benefit from years of experience and our highly skilled staff: Bonfiglioli will help you to develop a solution that is tailored to your needs.

POWERFUL & PRECISE

- High power density
- Nominal torque up to 800 Nm
- Peak torque up to 1200 Nm
- Backlash lower than 3 arcmin
- 1 and 2 stages

COMPACT DESIGN

- Highest integration
- Space saving solution
- High thermal dissipation capability

HIGH DYNAMIC

- High acceleration and high cycle rates
- High torsional stiffness
- Reduced inertia

HIGH EFFICIENCY

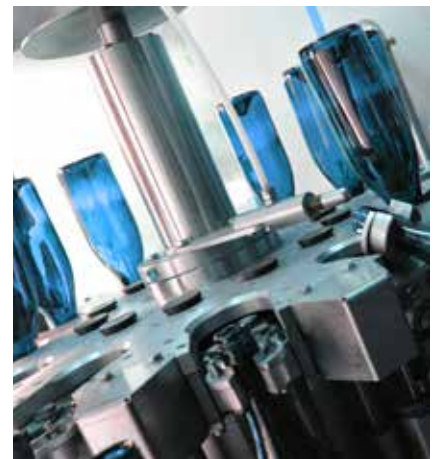
- IE5 solution due to brushless technology and drive control
- Less power loss through reduction of input bearings and radial shaft seal

WIDE FLEXIBILITY

- Single turn and multi turn absolute encoders
- Thermal protection by PTC / KTY
- Brake & inertia flywheel option
- UL motor certification

HIGH RELIABILITY

- Robust solution
- Optimized combination
- Parts 100% inspected & tested
- More than 60 years of engineering expertise





We have a relentless commitment to excellence, innovation and sustainability. Our team creates, distributes and services world-class power transmission and drive solutions to keep the world in motion.



HEADQUARTERS

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