



Collaborative Robot

APPLICATION

7 degree-of-freedom anthropomorphic robot with compact joint arm design.

The Cobot is designed for flexible production lines with compact layout and high accuracy to allow precision assembly

REQUIREMENTS

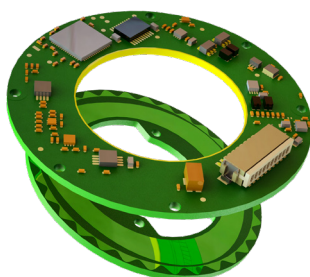
- Hollow shaft
- High precision
- Very Low profile
- Resistance to magnetic fields

POSITION SENSOR

- Netzer VLX-60 Absolute Position Electric Encoder™ incorporated in the robotic arm with frame-less motor and servo drive.
- Compact, low profile, lightweight & wide bore: Allowing high level integration for a low profile arm joint design.
- Frame-less & contact-less with a negligible rotor weight: No mechanical parts operating, resulting in a long-lasting operational time, introducing no extra weight & inertia (load) to the system.
- Immune to magnetic interference: Can be very close to the frame less-motor magnets.

- High resolution 19 bit & accuracy < 0.010deg for smooth and high accuracy rotation with high repeatability of 1 count.
- Standard digital serial interfaces, SSI, BiSS.

Special safety algorithms with real time BIT (Built In Test) over SSI or BiSS



PRODUCT FEATURES



HIGH PRECISION



LOW PROFILE



HOLLOW SHAFT



RESISTANCE TO
MAGNETIC FIELDS

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