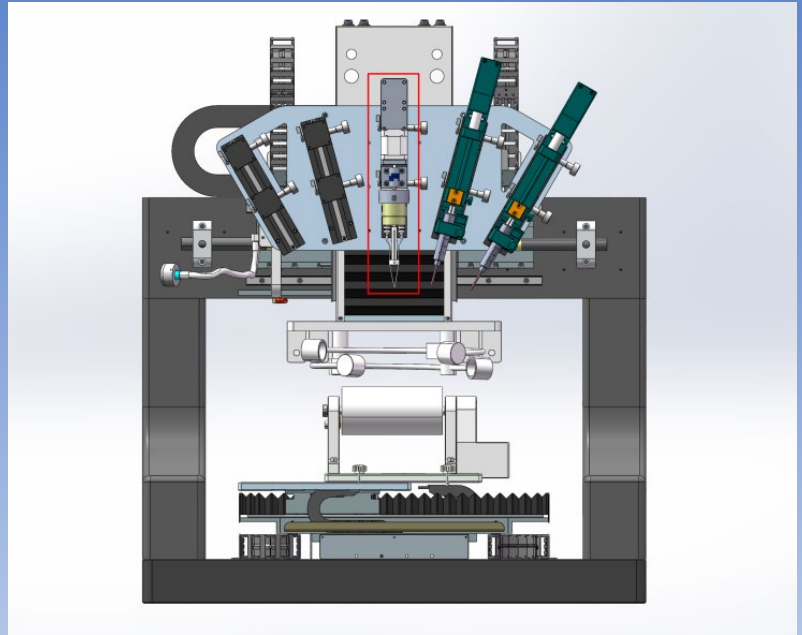
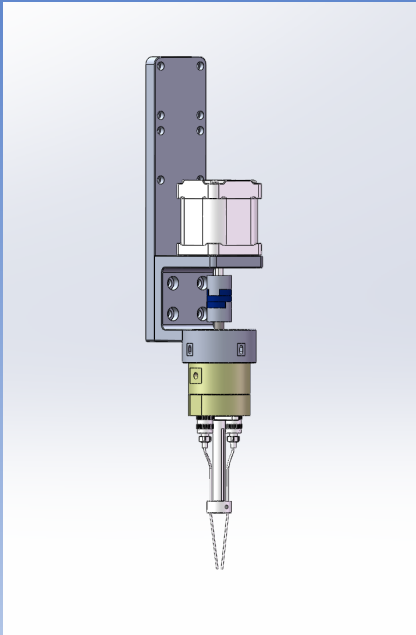


Rotary Twisting Spinneret



Rotary Twisting Spinneret – Technical Specifications

This system features a **dual-channel extrusion mechanism**, enabling simultaneous ejection of two spinning solutions to produce composite fibers. The integrated **high-precision rotary module** ensures continuous nozzle rotation (1–100 r/min, digitally adjustable) during electrospinning writing, generating twisted fibers on the collector.

Key Features:

Modular nozzle system: Standard Luer-lock interface allows rapid interchange of needles (18G–32G).

Rotation-fluid delivery decoupling: Proprietary bearing design maintains stationary fluid conduits during nozzle rotation, eliminating tubing entanglement.

Adjustable dual-nozzle alignment: Centrally mounted actuating disk enables coplanar and coaxial positioning of twin nozzles.

TL-Trinity compatibility: Custom mounting plate interfaces with Tongli Direct-Writing System's slider mechanism.

Adjustable collection distance: Linear slider control (50–300mm range).

Stable drive unit: Flange-integrated servo motor sustains continuous operation ≥ 10 min.

Tool-free maintenance: Groove-aligned flange enables disassembly/assembly quickly.

