

APEX Series High Output at a Great Price..... Without Sacrifice



The APEX series includes both the CX and the RXT and is available in screw diameters ranging from 25 to 133mm. The APEX series design was based on extensive feedback from key compounders around the world. The feedback was consistent. Compounders asked for the highest levels of product quality and throughput at a competitive price.....without sacrificing reliability, quality and service.

The APEX series utilizes key process section components manufactured by Century Extrusion in the USA, a European high torque gearbox, and is assembled by Ruiya Extrusion in Nanjing, China. All key components and ancillary equipment are sourced from globally recognized leading suppliers.

Quality and Engineering standards for APEX series machines were established by Century Extrusion in the USA.

The APEX series delivers the industry's best price per performance of any twin screw extruder available today.



- Proprietary vented side feed barrel design for high fill rates.



- High density cast bronze heaters for accurate temperature control and quicker start up.



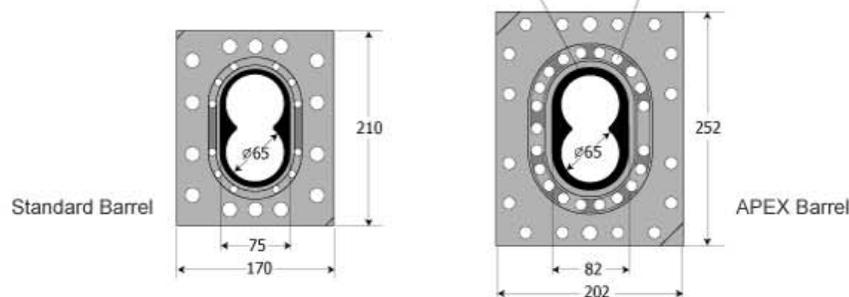
- High capacity die with improved flow channels and enhanced heating.



- Side feeding technology designed for high rates of fill at high output.

Advanced barrel design for high output processing

- Proprietary RX 101 HIP wear materials for maximum wear resistance
- 50% increase in Barrel thickness to resist high mechanical forces
- 65% increase in cooling capacity



The **CX Series** was developed for high level users of twin screw extruders that are searching for the same level of throughput, quality and reliability at a reduced cost. The CX incorporates the following features:

- Screw geometry based on western standards
- High torque European gearbox and lubrication system
- Century Extrusion high performance screws, barrels and shafts
- Screw speeds up to 1200 RPM
- Supported by CPM global service



- Gearbox Technology – cpm partners with a leading European manufacturer of high torque gearboxes to deliver reliability and confidence under extreme operating conditions.



- Advanced gearbox lubrication systems including maximum gearbox protection through systems that monitor oil temperature and pressure.



- Key components are manufactured on CNC equipment to ensure the highest quality and the best alignment of screws, shafts, barrels and gearbox.



- Safety standards and electrical control options to meet the needs of leading domestic and global compounders

The **RXT Series** was designed for users of economical twin screw extruders that are looking for advanced features, higher throughput, higher product quality and higher reliability/longer equipment life. The RXT incorporates the following features:

- Co-designed by Ruiya and Century, screw geometry based on Chinese standards.
- High torque European gearbox and lubrication system.
- Century Extrusion proprietary soft core 10V-12 material, high wear high corrosion resistant. Ruiya Extrusion W6Mo5Cr4V2 is available.
- Century Extrusion cold-formed H11 shafts, strength is 35% higher than machine shaped shafts. Ruiya Extrusion M300 is available.
- High wear resistance HIP RXT101
- Screw speed up to 900rpm
- Supported by CPM global service



CX 92



CX 70



RXT 65