



QC³[®] 33MM TWIN-SCREW EXTRUDER

QC³[®] = Quick Change,
Quick Clean,
Quality Control!

- **Designed with Customer Input to Provide What Compounders Need and Want:** Quick Change, Quick Clean, and Quality Control
- **Quick Change:** Allows for fast, easy screw-set changeovers. Newly patented self-alignment feature takes the worry out of installing the screws into couplings, and new design allows screws to only be installed one way – the correct way. All necessary tools for changeover and maintenance are mounted at point-of-use on the extruder
- **Quick Clean:** Extruder frame design deflects dust and keeps machine clean under the hood. With stainless steel and powder-coated surfaces the machine looks great today and 10 years from now. Optional device allows for fast, easy barrel cleaning
- **Quality Control:** All QC³[®] 33mm twin-screw extruders are engineered and built at ENTEK's headquarters in Lebanon, Oregon U.S.A. Top-quality components manufactured in our shop give years of top-quality performance
- **Better Compounding:** Increased production rates with 100HP/1,750rpm motor and increased screw OD/ID for compounding the most challenging formulations
- **Ease of Use:** SMART controls feature enhanced graphics, recipe library, trending software, and web-based connectivity for remote troubleshooting

The equipment pictured above does not contain all labels, including safety warnings, that are included on equipment at the time of delivery to our customers.

Specifications



Component	QC ³ ® 33mm
Barrels & Screws	
Nom. 4D Barrel Segment Length	135mm
Barrel Bore Diameter	33mm
Screw Center Distance	26.9mm
Screw Major/Minor Ratio (Do/Di)	1.61
Barrel Fasteners (per barrel Flange)	(8) M12 socket head cap screws & socket nuts; (2) M12 dowels
Heater Fastener Size	M8 HHCS
Shroud Style	Interlocking with quick turn fasteners
Feed Chute Style	Quick remove style
Additional Features	Barrel cleaning device
Shafts	
Rated Shaft Torque	254 Nm
Screw Spline	32 tooth
Screw Alignment Feature	Standard screws can only be installed in the proper orientation (some screws may need to be flipped end-to-end, i.e. KB-VAR, CoF-E)
Shaft Coupler Spline	24 tooth
Shaft Coupler Alignment Feature	Patented quick alignment puck on shaft mates with coupler
Shaft Coupler Style	Double collet
Drive Train	
Max. Motor Power at 1400rpm	100 HP
Max. Gearbox Output Shaft Torque	254 Nm (min)
Gearbox Torque Density	13.1 N-m/cm ³ (min)
Shaft Coupler Guard	Quick open with retained quick-turn fastener
Motor Coupler Guard	Quick open with retained quick-turn fastener
Packing Plate Retention	Fastens into feed barrel
Additional Features	Optional water-cooled motor to reduce sound level; clutch standard
Lubrication System	
Oil Capacity	27L in gearbox (no external reservoir required)
Oil Cooling	Cooling coil inside gearbox
Pressure Relief	100 psi relief internal to lube pump; no bypass pressure relief required
Oil Filter	Donaldson medium pressure HMK04 series
Gauge Display	Integrated in frame gauge panel
Additional Features	Preheat option for cold ambient starting
Cooling System	
Cooling Manifold Pressure Regulation	Automatic back pressure control valve
Barrel Cooling Hoses	Stainless braided Teflon with 3/8" tube ends
Gauge Display	Integrated in frame gauge panel
Barrel Cooling Valve Control	Solenoid valve bank



ENTEK

RAISING EXPECTATIONS.
KEEPING THEM THERE.

Twin-Screw Extruders | Replacement Wear Parts | In-House Pilot Plant Services
Complete Extrusion Systems | Turnkey Manufacturing Plants

ENTEK Extruders

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