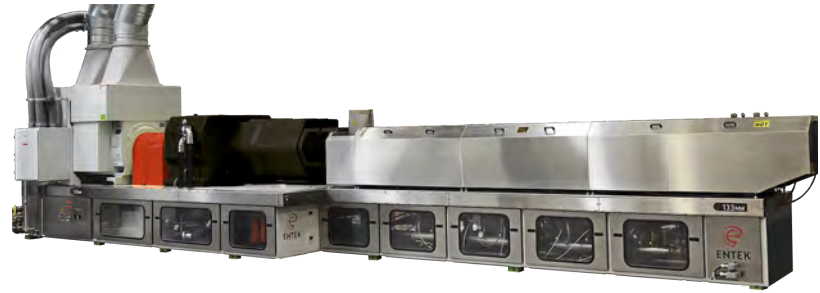


HR³™ 133mm

Co-rotating Twin-Screw Extruder

High Rate, High Reliability, High Return -
Ideal for masterbatch compounding



Screws	
Diameter	133mm
Rotation	Co-Rotating
Length	28-48 L/D
Screw Center Distance (mm)	110
Screw Do/Di Ratio	1.55
Flight Depth (mm)	23.6
Free Area, 2-Flight (cm ²)	101.1
Shafts	24 Tooth Involute Spline
Drive System	
Std. Gearbox Ratios	1.75 / 2.92 / 3.8 / 5.8
Screw Speeds	600 rpm
Motor @ 1750 rpm	2000 hp
Motor Equivalent in Watts	2.98 MW
Voltage Options	380 / 415 / 460 / 575 Volt
Standard Motor Controller	AC

Barrels		
Form	Square, Flanged	
Length	510 mm	
Cooling	Internal Liquid Cooling	
Open Barrel Heat Zone	18.8 kW Aluminum	24.8 kW Bronze
Closed Barrel Heat Zone	22.5 kW Aluminum	34.5 kW Bronze
Controls		
Controller	Ethernet PLC with Color Computer Interface	
Heat/Cool Zones	Up to 16 Standard (additional upon request)	
Size & Utilities		
Installed Cooling Capacity (gearbox and barrel)	Consult ENTEK Engineering for Specific Applications	
Typical Cooling	Consult ENTEK Engineering for Specific Applications	
Est. Power Requirements*	Consult ENTEK Engineering for Specific Applications	
Centerline Height	1345 mm [53 in]	
Length, 48D	11785 mm [464 in]	
Width	2185 mm [86 in]	
Height (top of motor)	2030 mm [80 in]	
Weight (approx.)	31000 kg [70000 lb]	

* - Standard Machine Configuration: 1 Feed Barrel, 9 Solid Barrels (6 Aluminum, 3 Bronze/Cast Iron), 1 Vent Barrel, Gear Box Lube 40mm and Up, Barrel Cooling Pump, Main Motor Blowers 400 hp and Up

