

CINCINNATI MILACRON AND B&P PROCESS EQUIPMENT HAVE TAKEN WOOD & NATURAL FIBER PLASTIC COMPOSITE SYSTEMS TO NEW OUTPUT LIMITS



Compliments
of Strandex

MEET THE EXTREME MACHINE. THE TE125-33. PART OF THE TIMBEREX "TE" SERIES OF CO-ROTATING TWIN SCREW EXTRUDERS FOR HIGH OUTPUT WOOD & NATURAL FIBER PLASTIC COMPOSITES.

Cincinnati Milacron, a pioneer in the Wood & Natural Fiber Plastic Composite industry and B&P Process Equipment, with its vast experience in Co-Rotating Twin Screw Extrusion, have joined to produce a system with unparalleled advantages:

- Proven, efficient, reliable and economic mixing and direct extrusion of Wood & Natural Fiber Plastic Composites.
- Patented Direct Extrusion Technology - no gear pump or single screw extruder required for pressure generation. Simpler, energy-efficient operation.
- Optimized free volume for medium torque and heat-sensitive applications.

- The gear box, shafts, segmented extruder barrels and screw elements are designed to offer a unique centerline ratio and barrel geometry, providing an internal free volume that is significantly higher than the competition.
- Extruder is easily suited to applications requiring longer residence time.
- Unique screw design has optimized energy transfer and reduced power consumption.
- Minimized overall footprint saves valuable floor space.
- Segmented screws and barrels are constructed of a proprietary wear and corrosion resistant material to provide longer life and reduce the overall life cycle cost.

**High Output
Patented Direct
Extrusion technology
Long Life & Reduced
Life-Cycle Cost**

CINCINNATI MILACRON: THE ONLY CHOICE FOR CONICAL & PARALLEL COUNTER-ROTATING, AND NOW CO-ROTATING TWIN SCREW EXTRUDERS FOR WOOD & NATURAL FIBER PLASTIC COMPOSITE APPLICATIONS



1 ...your number one
extrusion
technology source

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TECHNOLOGY & SERVICE FIRST!

TECHNICAL SPECIFICATIONS

Model	TE80-33	TE100-33	TE125-33	TE160-33
Barrel Bore Diameter (mm)	80	100	125	160
Total L/D	33:1	33:1	33:1	33:1
L/D of Each Barrel Segment	5:1 or 2.5:1	5:1 or 2.5:1	5:1 or 2.5:1	5:1 or 2.5:1
Barrel Heating	Electric	Electric	Electric	Electric
Barrel Cooling (Closed Loop Unit)	Water	Water	Water	Water
HP (kW)	100 (75)	200 (150)	400 (300)	800 (600)
Motor Type	AC	AC	AC	AC
Screw Speed Range (RPM)	0 - 200	0 - 200	0 - 200	0 - 200
Screw Rotation	Co-Rotating	Co-Rotating	Co-Rotating	Co-Rotating
Screw Design/Shaft	Segmented/Spline	Segmented/Spline	Segmented/Spline	Segmented/Spline
Maximum Screw Back Pressure - PSI (Bar)	2000 (138)	2000 (138)	2000 (138)	2000 (138)
Feeding Device	Volumetric	Volumetric	Volumetric	Volumetric
Vacuum Vent w/ Twin Screw Vent Stuffer	Yes	Yes	Yes	Yes
Vacuum Pump HP (kW)	10 (7.5)	15 (11)	20 (15)	40 (30)
Electrical Requirements	460V/3Ph/60Hz	460V/3Ph/60Hz	460V/3Ph/60Hz	460V/3Ph/60Hz
Mains Electrical Supply (Amps)	300	600	1000	1800
Plant Water Requirements	60 GPM @ 68°F	65 GPM @ 68°F	100 GPM @ 68°F	120 GPM @ 68°F
Discharge Arrangement	Direct Extrusion	Direct Extrusion	Direct Extrusion	Direct Extrusion
Extruder Centerline Height (mm)	1100	1100	1100	1100
Nominal Throughput (Deck Board) lbs/h	up to 1000	up to 2000	up to 4000	up to 8000

Note: Throughput Rates are formulation, process and die design dependent.



All specifications reflect average values based on typical machine layouts. Actual figures will vary depending on final machine configuration. If you require more specific data, consult a certified installation print for your particular machine. Performance specifications are based on theoretical data. Shipping weights reflect average historical values. Due to continual improvements, specifications are subject to change without notice. Safety equipment may have been removed or opened to clearly illustrate the product and must be in place prior to operation. CINCINNATI MILACRON, MOSAIC and the Globe Graphic are trademarks of Milacron Inc.