

Processing Specifications for E-MAX™ Twin-Screw Extruders



ENTEK E-MAX™ twin-screw extruders are available in sizes ranging from 27mm to 133mm (53mm model is pictured here)

- Designed for maximum flexibility – base design, control modularity, multiple L/D choices, high torque/high speed motor and gearbox combinations, and material feed options can all be modified to meet or exceed your requirements
- Co-rotating technology allows for industry-leading material mixing and productivity in multiple areas of processing
- Screws and barrels are specially designed by ENTEK engineers with the longest life materials of construction, for processing even the most challenging resins and formulations. ENTEK produces replacement wear parts for all major non-ENTEK twin-screw extruder brands as well!
- All E-MAX™ twin-screw extruders are manufactured at ENTEK's headquarters in Lebanon, Oregon USA



ENTEK Twin-Screw Extruder Throughput Rates* (lbs/hr)



Ideal lab/low-volume production machine



Small lot size custom compounding



Medium lot size custom compounding



Large lot size custom compounding



Masterbatch compounding



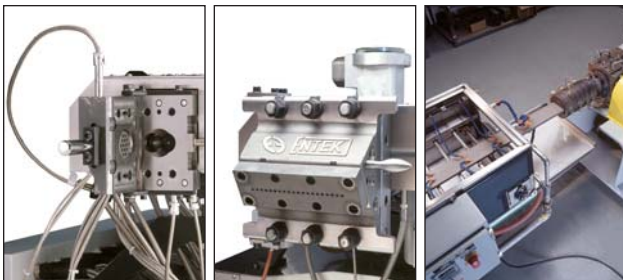
Masterbatch compounding

Products & Processes	E-27mm	E-40mm	E-53mm	E-73mm	E-103mm	E-133mm
Standard 600 rpm	20hp, 600rpm	75hp, 600rpm	150hp, 600rpm	400hp, 600rpm	700hp, 300rpm	1,250hp, 300rpm
High Speed/ High Torque 1,200 rpm	40hp, 1,200rpm	150hp, 1,200rpm	300hp, 1,200rpm	800hp, 1,200rpm	1,400hp, 600rpm	2,500hp, 600rpm
HDPE, LDPE, PP (powders)	70 – 160	260 – 600	540 – 1,150	1,440 – 3,060	2,500 – 5,250	8,000 – 20,000
Compounding Colors, Additives & Fillers	140 – 320	520 – 1,200	1,080 – 2,300	2,850 – 6,000	5,000 – 10,500	
HDPE, LDPE, PP (pellets)	50 – 135	190 – 500	405 – 1,000	1,080 – 2,700	1,875 – 4,725	6,500 – 17,000
Compounding Colors, Additives & Fillers	100 – 280	375 – 1,000	800 – 2,000	2,150 – 5,400	3,750 – 9,450	
PS, SAN, ABS	85 – 120	320 – 450	640 – 880	1,700 – 2,340	2,900 – 5,000	10,000 – 16,000
Compounding Colors, Additives & Fillers	170 – 240	640 – 900	1,250 – 1,750	3,400 – 4,650	5,800 – 9,500	
PC, PA6, 6/6, 6/10, 6/12, 11, 12	45 – 100	170 – 375	340 – 810	900 – 2,160	1,400 – 3,750	7,000 – 15,000
Compounding Colors, Additives & Fillers	90 – 200	340 – 750	680 – 1,620	1,800 – 4,300	2,800 – 7,500	
Fiber Filled (organic) Olefins, WPC's	75 – 180	250 – 750	500 – 1,500	1,000 – 2,500	2,500 – 5,000	6,000 – 12,000
Compounding Colors, Additives & Fillers						300 rpm max

*Depends on Polymer Melt Index, Additives & percent loading

Rates calculated at 3,000hp, 400rpm

Auxiliary Equipment



Dies:

- ENTEK manufactures dies for strand pelletizing, profiles and FPC deck boards
- Quick-open design on strand dies is time saving feature that allows screws to be pulled through the die assembly
- Contact ENTEK with your specific application requirements



Vacuum Stuffers:

- For devolatilization to enhance melt quality
- 48, 70 and 90mm sizes available with multiple screw RPM options
- Vacuum pump and filtration systems also available to match stuffer units



Side Feeders:

- For downstream feeding of materials and additives
- Six sizes available to match up with extruders and given feed rate needs
- Self-contained units – all components housed within a stand-alone base



ENTEK Manufacturing, Inc.

PO Box 39, 250 N. Hansard Avenue, Lebanon, OR 97355 USA

Tel. 541-259-1068 • FAX 541-259-8018 • www.entekextruders.com