

PROCESSING SPECIFICATIONS

for ENTEK Co-rotating Twin-Screw Extruders



ENTEK's twin-screw extruders are available in sizes ranging from 27mm to 133mm (the QC³ 43mm model is pictured here)



ENTEK

RAISING EXPECTATIONS.
KEEPING THEM THERE.

- 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
- ENTEK's in-house manufacturing capabilities allow our engineers and project managers to design, manufacture and deliver the wear materials in screws, barrels and adapters that match your needs
- Whether you are a compounder, sheet producer, biomaterials processor, fiber composite manufacturer or in a specialty field that needs the high throughput rates that only a twin-screw extruder can produce, ENTEK has a solution for your needs. We can package that solution into a system that makes a seamless transition for you to our highly acclaimed customer service.
- All ENTEK Co-rotating twin-screw extruders are manufactured at ENTEK's headquarters in Lebanon, Oregon USA

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



Products & Processes	E-27mm	QC ³ 43mm	E-53mm	E-73mm	E-103mm	E-133mm
600rpm Model	20hp, 600rpm	100hp, 600rpm	150hp, 600rpm	400hp, 600rpm	700hp, 300rpm	1,000hp, 300rpm
1,200rpm Model (High Speed/High Torque)	40hp, 1,200rpm	200hp, 1,200rpm	300hp, 1,200rpm	600hp, 900rpm	1,400hp, 600rpm	2,000hp, 600rpm
HDPE, LDPE, PP (powders)	70 – 160	360 – 800	540 – 1,150	1,440 – 3,060	2,500 – 5,250	4,380 – 10,000
Compounding Colors, Additives & Fillers	140 – 320	720 – 1,550	1,080 – 2,300	2,850 – 6,000	5,000 – 10,000	8,950 – 17,850
HDPE, LDPE, PP (pellets)	50 – 135	270 – 690	405 – 1,000	1,080 – 2,700	1,875 – 4,725	3,380 – 8,500
Compounding Colors, Additives & Fillers	100 – 280	550 – 1,380	800 – 2,000	2,150 – 5,400	3,750 – 9,450	6,700 – 16,880
PS, SAN, ABS	85 – 120	440 – 600	640 – 880	1,700 – 2,340	2,900 – 5,000	4,500 – 10,000
Compounding Colors, Additives & Fillers	170 – 240	850 – 1,200	1,250 – 1,750	3,400 – 4,650	5,800 – 9,500	10,360 – 16,950
PC, PA6, 6/6, 6/10, 6/12, 11, 12	45 – 100	240 – 560	340 – 810	900 – 2,160	1,400 – 3,750	3,380 – 7,500
Compounding Colors, Additives & Fillers	90 – 200	460 – 1,100	680 – 1,620	1,800 – 4,300	2,800 – 7,500	5,000 – 13,350
Fiber Filled (organic) Olefins, WPC's	75 – 180	350 – 1,000	500 – 1,350	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

More Than Just Twin-Screw Extruders



ENTEK can also:

- Optimize screw layouts for increased production
- Manufacture your wear parts for both ENTEK and non-ENTEK brands
- Customize a screw stocking program for your needs
- Select metallurgy best suited for your processing requirements
- Assemble your screw sets

ENTEK Extruders

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