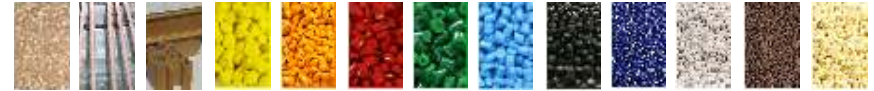


YOU NAME THE COMPOUNDING APPLICATION  
WE OFFER THE MOST SUITABLE EXTRUDER




**ALPHA S CLASS**  
STEER'S GENERATION NEXT TWIN-SCREW EXTRUDERS

**APPLICATIONS**

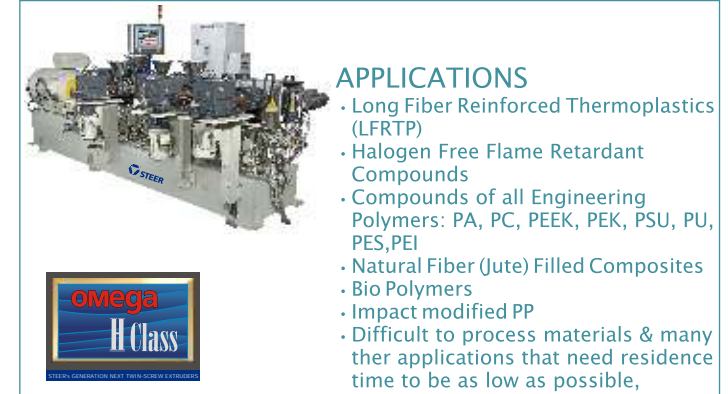
- Color Masterbatches
- Alloys & Blends



**ALPHA SERIES**

**APPLICATIONS**

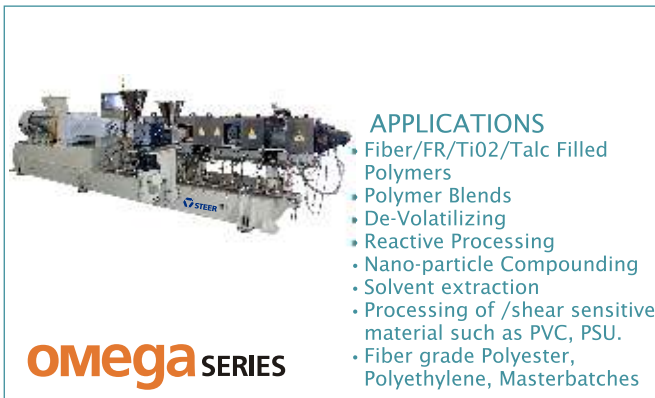
- Mineral Filled Polymers
- Color Masterbatches
- Polymer Blends, Melting
- Homogenizing
- Thermoplastic Elastomers / Vulcanizates



**OMEGA H CLASS**  
STEER'S GENERATION NEXT TWIN-SCREW EXTRUDERS

**APPLICATIONS**

- Long Fiber Reinforced Thermoplastics (LFRTP)
- Halogen Free Flame Retardant Compounds
- Compounds of all Engineering Polymers: PA, PC, PEEK, PEK, PSU, PU, PES, PEI
- Natural Fiber (Jute) Filled Composites
- Bio Polymers
- Impact modified PP
- Difficult to process materials & many other applications that need residence time to be as low as possible,



**OMEGA SERIES**

**APPLICATIONS**

- Fiber/FR/TiO2/Talc Filled Polymers
- Polymer Blends
- De-Volatilizing
- Reactive Processing
- Nano-particle Compounding
- Solvent extraction
- Processing of /shear sensitive material such as PVC, PSU.
- Fiber grade Polyester, Polyethylene, Masterbatches



**MEGA SERIES**

**APPLICATIONS**

- Polymer blends
- Automotive Compounds
- Short Fiber Reinforced Thermoplastic compounds
- Many other specialized applications



**OMICRON 12**

**APPLICATIONS**

- R & D
- Pharmaceutical
- Color Matching
- Lab Scale Extruders





**STEER** *Leaders in Twin-Screw Extruders*  
Unbeatable Efficiency, Unparalleled Value

For more information:  
E-mail: [info@steerworld.com](mailto:info@steerworld.com)  
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 **GET THE STEER ADVANTAGE**

Please see specifications in the next page

### TWIN-SCREW EXTRUDER SPECIFICATIONS AT A GLANCE

BRAND		Barrel Diameter D (mm) (1)	Screw Outside Diameter Do (mm) (2)	Screw inside Diameter d (mm) (3)	Diameter Ratio (D/d) (4)	Center Distance a (mm) (5)	Flight Depth h (mm) (6)	Barrel to Screw Clearance mm (7)	Screw to Screw Clearance mm (8)	Shaft Diameter mm (9)	Shaft Torque Capacity % (10)	Max. Drive Power (KW) (11)	Max. Screw Speed (rpm) (12)	Specified Nominal Torque T2 (Nm) (13)	Specific Torque (Nm/cm²) (14)	40 L/D Free Vol (cc) (15)	Length (mm) (16)	Width (mm) (17)	Height (mm) (18)	Weight (kg) (19)
<b>STEER</b> LAB EXTRUDERS	OMICRON 12	12.3	12	8.5	1.45	10.5	1.9	0.15	0.25	5.8	200	3.0	1200	15	13.0	37	1250	600	1500	400
	ALPHA 18	18.8	18.5	12.7	1.48	16	3.05	0.15	0.40	10	250	7.5	1200	60	14.6	130	2300	800	1400	1050
	OMEGA 20	20	19.6	11.6	1.72	16	4.2	0.2	0.40	9	200	7.5	1200	60	14.6	220	2300	800	1500	1050
<b>ALPHA</b> SERIES	ALPHA 30E	28.4	28	19	1.49	24	4.7	0.2	0.50	15.5	250	30.0	1200	240	17.4	520	3400	1200	1850	2200
	ALPHA 40E	38	37.5	25.5	1.49	32	6.25	0.25	0.50	22	250	75.0	1200	600	18.3	1275	4000	1300	1850	3800
	ALPHA 50E	47.6	47.1	31.9	1.49	40	7.85	0.25	0.50	28	250	160.0	1200	1150	18.0	2500	4600	1500	1900	4500
	ALPHA 60E	57	56.5	38.5	1.48	48	9.25	0.25	0.50	30	200	250.0	1200	2000	18.1	4300	5500	1600	1900	6300
ALPHA SERIES: STEER also makes ALPHA 25, ALPHA 40 & ALPHA 50.																				
	ALPHA 30S	28.4	28	19	1.49	24	4.7	0.2	0.50	16	150	66.0	1440	440	31.8	520	3400	1200	1850	3400
	ALPHA 40S	38	37.5	25.5	1.49	32	6.25	0.25	0.50	22	150	158.0	1440	1040	31.7	1275	4400	1500	1900	4900
	ALPHA 50S	47.6	47.1	31.9	1.49	40	7.85	0.25	0.50	28	150	300.0	1440	2000	31.3	2500	5200	1700	1980	5900
<b>omega</b> SERIES	OMEGA 30	30	29.7	17.3	1.73	24	6.35	0.15	0.50	14.5	200	18.0	720	230	16.6	700	3100	1100	1850	2100
	OMEGA 40	40	39.7	23.3	1.72	32	8.35	0.15	0.50	20	150	54.0	720	720	22.0	1650	4000	1200	1850	3700
	OMEGA 50	50	49.7	29.3	1.71	40	10.35	0.15	0.50	26	150	132.0	720	1440	22.5	3200	4550	1500	1850	5200
	OMEGA 60	60	59.7	35.1	1.71	48	12.45	0.15	0.60	30	150	240.0	720	2800	25.3	5500	5700	1600	1900	6400
	OMEGA 70	73.5	73	43	1.71	58.5	15.25	0.25	0.50	36.6	150	315.0	600	4600	23.0	10000	6600	1800	1900	6800
	OMEGA 100	95.5	95	56	1.71	76	19.75	0.25	0.50	48	150	710.0	600	11200	25.5	22100	7500	2100	1900	9600
	OMEGA 140	138.5	138	81	1.71	110	28.75	0.25	0.50	72	150	3000.0	750	36000	27.0	68000	9000	2200	1900	11000
	OMEGA 30H	30	29.7	17.3	1.73	24	6.35	0.15	0.50	14.5	120	36.0	720	400	28.9	700	3400	1200	1850	2300
	OMEGA 40H	40	39.7	23.3	1.72	32	8.35	0.15	0.50	20	120	90.0	720	1100	33.6	1650	4100	1300	1850	4600
	OMEGA 50H	50	49.7	29.3	1.71	40	10.35	0.15	0.50	26	120	192.0	720	2150	33.6	3200	5800	1700	1900	5400
<b>MEGA</b> SERIES	MEGA 32	32	31.6	20.6	1.55	26.6	5.7	0.2	0.50	16	150	37.0	750	424	22.5	740	3400	1200	1850	2300
	MEGA 40	40.5	40	25.8	1.57	33.4	7.35	0.25	0.50	20.5	150	75.0	750	860	23.1	1550	4100	1300	1850	3500
	MEGA 50	50.5	50	32	1.58	41.5	9.25	0.25	0.50	25.8	150	132.0	750	1600	22.4	3000	4700	1200	1900	5400
	MEGA 58	58.3	57.8	37	1.58	48	10.65	0.25	0.60	30	150	250.0	750	2700	24.4	4560	5800	1600	1900	5500
	MEGA 70	71	70.5	45.5	1.56	58.5	12.75	0.25	0.50	36.6	150	315.0	600	4600	23.0	8100	6600	1700	1900	6600
	MEGA 92	92.3	91.8	59.2	1.56	76	16.55	0.25	0.50	48	150	710.0	600	11200	25.5	17700	7500	2100	1900	9300
	MEGA 133	133.5	133	86	1.55	110	23.75	0.25	0.50	75	175	3000.0	750	36000	27.0	53500	9000	2200	1900	11000

In addition to the above STEER also provides customised specification options.

Disclaimer: Due to continuous development actual values/parameters may differ from those mentioned in this list.