

Our new range – your extensive choice.

- A full range of different extruder sizes is at your disposal which means that the optimum machine can be chosen for every application.
 - As a rule, Milacron's twin-screw extruders come with a horizontal dose feeder. However, when the feed hopper has a stop valve, every Milacron extruder can be operated without dose feeder.
- Excepted is the CM 50 model which is run without dose feeder as a standard.

All extruders can be equipped with the following additional units.


- Hopper stuffer for soft PVC featuring poor flowing properties.
- Active screw core thermoregulation featuring an oil circulation system (of the 2-circuit type in case of CMT 90). This system is standard equipment for sheet and pelletizing versions.
- Heating current monitoring for every zone.

- Measuring devices to monitor thrust pressure, stock pressure, stock temperature.
- Digital display of speeds.
- Microprocessor system ATR (adaptive temperature control) featuring digital display of all extrusion parameters and monitoring of rated/actual values.
- Connection of a printer, of a PC or an host computer.
- Management information system via PC.
- Gravimetric dose-feed control.
- Hopper feeding.
- Pellet prewarming or drying unit.

The twin-screw extruders come with the following safety features.

- Electronic torque monitoring of main motor and motor shutoff when 110% load are exceeded.
- Overcurrent protection through thermal overcurrent relays for all

Our extruder range: Conical twin-screw extruders

Name		CM 45	CM 50	CM 55	CM 55 SC
Recommended ϕ range, pipe extrusion	(mm)	10-110	10-110	10-160	25-160
Recommended meter weight range, profile extrusion	(g/m)	100-1000	200-1500	200-3000	800-3000
Output rate, pipe PVC, guaranteed/max.	(kg/h)	80/105	130/150	150/180	190/230
Screw ϕ	(mm)	45/90	55/110	55/110	55/110
Screw length	(mm)	985	1195	1195	1195
Screw speed max.	(min ⁻¹)	45,6	34,7	34,7	34,7
Drive	(kW)	14	18,8	23,4	23,4
Barrel heating zones		3	3	3	3
Adapter heating		1	1	1	1
Tool heating		3	5	5	5
Control voltage	(V)	220	220	220	220
Overall length	(mm)	3200	3620	3620	3620
Extrusion level	(mm)	990	990	990	990
Total height up to upper edge of hopper	(mm)	2127	1913	2157	2157
Total weight	(kg)	2400	3080	3080	3080
Special models (as lab extruder)		X	X	X	
Pelletizing model					
Sheet model					

Single screw extruders

Name		CMS 45		CMS 60	
		-25 B	-28 G	-25 B	-28 G
Intake zone		smooth	grooved	smooth	grooved
Recommended ϕ range, pipe extrusion	(mm)	10-110	10-110	10-250	10-250
Output rate, pipe HDPE: guaranteed/max. PS sheet	(kg/h)	80	120	160	250
Screw ϕ	(mm)	45	45	60	60
Screw length	(L/D)	25	28	25	28
Max. speed	(max.)	236,4	261,8	183,6	196,8
Drive	(kW)	28	39	43	71,5
Barrel heating zones		4	4	4	4
Adapter heating		1	1	1	1
Tool heating zones		3	3	6	6
Control voltage	(V)	24	24	24	24
Overall length	(mm)	2020	2155	2700	2900
Extrusion level	(mm)	990	990	990	990
Total height up to upper edge of hopper	(mm)	1917	1917	1825	1825
Total weight	(kg)	1410	1520	2156	2330
Special models – lab extruder		X	X	X	X
Cable coating extruder		X		X	