

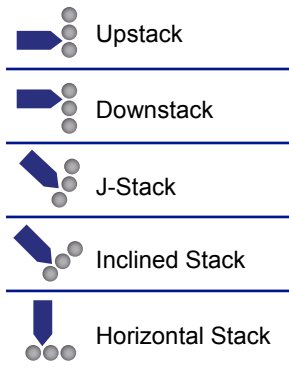


Hercules® Sheet Extrusion System

For thick gauge sheeting systems



After the melt stream, the sheet enters the customizable, high quality chrome roll take-off unit, available in various configurations, including, but not limited to:



The Welex quality & performance you know & trust with newly engineered state-of-the-art customized features:

- Sheet widths from 48" to 130"
- Sheet gauge from 0.030" to 0.500"
- Monolayer or coextrusion
 - Up to 9 extruders
- XSL Navigator® control system
- Throughputs to 10,000 lb/hr
- Flexible & customized roll stand features
 - Quick roll change
 - Auto gap control
 - Movable auxiliary cooling rolls
 - Air & water cooling stations
- Upstack standard, with other roll configurations available: downstack, J-stack, horizontal stack
- Hydraulic, pneumatic & boosted pneumatic roll nip systems

While packed with standard features, the **Welex** Hercules® Sheet Extrusion System is able to be custom engineered to suit your specific application.

Available in monolayer or co-extrusion, the system can comprise up to 9 extruders in sizes ranging from 1.5" to 10". The extrusion system incorporates a custom, highly engineered tooling configuration that includes state-of-the-art screen changers, melt pumps, mixers, co-extrusion feed blocks & dies. These components can be selected & mounted in the configuration best suited to your installation.

Highly efficient & maintenance-friendly heat/cool systems control the temperature of the chrome rolls, with nips that are controlled hydraulically, pneumatically, or by boosted pneumatic. Key features of the take-off may include automatic functions for critical product quality attributes such as automatic height adjustment, precision controlled linear positioning, & electronically-controlled gap adjustment.

Downstream & finishing options are painstakingly engineered to maximize the throughput & quality of the desired end product. Stations including air cooling, water bath cooling, IR heating, corona treating, slitting, shearing, laminating, embossing & stacking are all part of the Welex core competency & experience.

The system features the award-winning XSL Navigator® control system with a 15" touchscreen operator panel.

- Intuitive navigation
- Integrated screen map & help pages
- 2 keystrokes maximum to any screen
- Linked to hydraulic roll gap system
- Closed-loop extruder control
- Operator-adjusted speeds
- Precise control over gap thickness
- Set value change recording by operator
- Alarm history reports
- Integrated trending package
- Internet connection for remote support & trouble-shooting
- Security control via password
- Integrated recipe manager
- Detailed machine manual accessible via HMI





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		STANDARD		METRIC	
		VALUES	UNITS	VALUES	UNITS
THICKNESS	MINIMUM	0.030	INCHES	0.76	MM
	MAXIMUM	0.500	INCHES	12.7	MM
WEB WIDTH	MINIMUM	48	INCHES	1,220	MM
	MAXIMUM	130	INCHES	3,300	MM
THROUGHPUTS	MAXIMUM	10,000	LBS/HR	4,500	KG/HR
EXTRUDER SIZES	STANDARD	2.5, 3, 4, 4.5, 5, 6, 7, 8, 10	INCHES	100, 130, 165, 225	MM
CHILL ROLL DIAMETERS	STANDARD	24, 30, 36	INCHES	450, 600, 800	MM
LINE SPEEDS	MAXIMUM	50	FT/MIN	15	M/MIN
MOTOR POWER	MAXIMUM	1,200	HP	900	KW
COEXTRUDERS	MAXIMUM	9			

EXAMPLES OF OUTPUTS					UNITS
EXTRUDER DIAMETER	4.5	5	6	7	INCHES DIA.
PP					
THROUGHPUT	1,350	1,600	2,600	3,500	LB/HR
MOTOR SIZE	250	300	500	700	HP
HIPS/ABS					
THROUGHPUT	1,700	2,000	3,500	4,700	LB/HR
MOTOR SIZE	250	300	500	800	HP
HDPE					
THROUGHPUT	1,800	1,840	2,800	4,000	LB/HR
MOTOR SIZE	300	300	500	700	HP
HMWPE					
THROUGHPUT	1,750	2,100	2,700	3,500	LB/HR
MOTOR SIZE	350	420	550	700	HP
TPO					
THROUGHPUT	1,500	1,760	2,860	3,800	LB/HR
MOTOR SIZE	250	300	500	700	HP

