



World Standard Sheet Lines





**We've included everything.
Just plug in and run.**

- 1.** High power, directly coupled motor.
- 2.** Large capacity hopper.
- 3.** Heavy duty, high efficiency gear reducer.
- 4.** Efficient, closed loop liquid cooling.
- 5.** High performance screw, including Universal Welex design for HIPS, PP and vented PET.
- 6.** Fully instrumented, integrated control panel.
- 7.** Hydraulic screen changer.
- 8.** Gear pump for perfect output stability.
- 9.** Static mixer for perfect viscosity stability and color dispersion.
- 10.** Flexible lip micrometer adjustment die.
- 11.** Hard surfaced, mirror finished polishing rolls.
- 12.** Integrated roll temperature control systems.
- 13.** Edge trimmers.
- 14.** Edge trim rewinder on 90 mm (3½") line.
- 15.** Dual shaft roll winding system.
- 16.** Floor track for mobile mounting.
Vacuum venting to eliminate predrying.
(Not visible in this view.)

Welex World Standard Sheet Lines:

How to make sheet consistently, in any polymer, anywhere in the world.

The Welex World Standard is the most complete, advanced, high performance sheet extrusion system money can buy.

It is available in four sizes; with a 90 mm, 120 mm, 130 mm or 150 mm (3½", 4½", 5" or 6") extruder, to produce capacities in the 400 to 1,500 kg/h (800 to 3,200 lb/h) range. The smallest capacity line comes with a 750 mm (30") finished width sheet take-off and winding system. The larger lines are available in your choice of take-off, to produce 900 mm, 1200 mm or 1500 mm (36", 48" or 60") finished width sheet.

Each includes a high performance Welex Mark III extruder with powerful precision motor, digital controls, vacuum venting, screen changer, gear pump, static mixer, and a flexible lip die. Your extruder can be equipped with the computer designed screw of your choice, including the exclusive Welex Universal screw for HIPS, PP, and vented PET. For this wide range of the most commonly extruded polymers, this avoids the need for screw changes.

The take-off features three hard surfaced polishing rolls with flawless mirror chrome plating, designed for the highest efficiency heat transfer. Each roll is equipped with an individual, built-in, high volume pressurized water temperature control

system. The World Standard take-off also includes edge-trimming and an integral two shaft winder.

The smaller line includes an edge trim winding system. The larger lines incorporate a centerless turret winder for ease of high speed operation.

Adaptability: In-line and coextrusion.

Welex World Standard lines have been designed to closely match the requirements of many of the world's leading thermoforming machines, and are therefore ideal for direct

in-line use with these. Winders may be eliminated for in-line applications, but they are always useful for start-up and for short run trials.

For thicker sheet, cut-off shears can be supplied to satisfy your cut sheet requirements.

Coextrusion for a wide range of multilayer sheet products can be provided, either initially, or anytime in the future. Welex modular feed blocks do not require any special die provisions (as most others do).

Installation and start-up made simple.

The World Standard is usually shipped in two fully assembled and tested components, for fast and easy installation. When your utilities have been arranged in accordance with our instructions, the complete installation can be done in a single day.

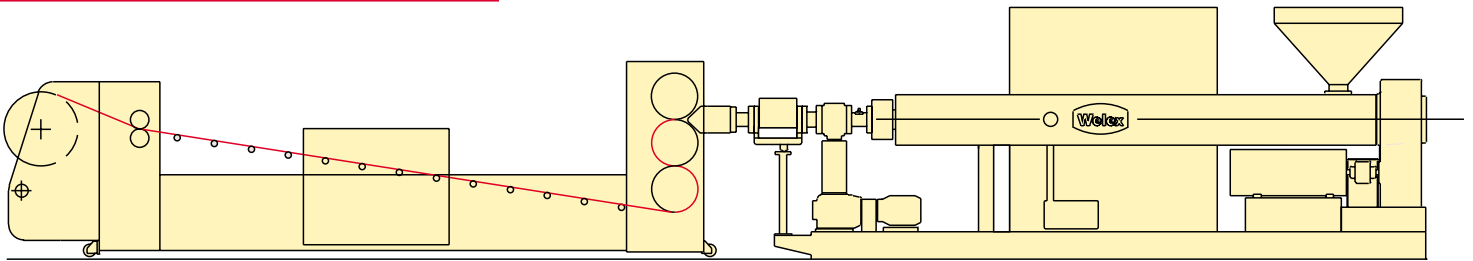
Our highly competent commissioning engineers are always available to help put your Welex sheet extrusion system into profitable operation.

Why a World Standard?

Since its introduction 30 years ago, the World Standard has kept pace with Welex's many innovative advancements.

Today, hundreds are in service, satisfying every possible sheet production requirement in over 70 countries worldwide. This large series production as a total package assures you of a highly reliable, well-proven sheet extrusion system — at a very economical price.

World Standard Sheet Lines Dimensions and Specifications



90 mm System – 10,850 mm	• 3½" System – 430"
120 mm System – 13,800 mm	• 4½" System – 550"
130 mm System – 14,500 mm	• 5" System – 570"
150 mm System – 16,000 mm	• 6" System – 630"

Welex service and support

Welex extrusion systems are backed by a worldwide sales and service organization that you can call on for help at any time. We employ the most qualified field service staff and maintain the most complete spare parts inventory in the industry, so that we can always provide whatever support you need.

Whether you're near us or half a world away, we understand your needs and we'd like to work with you to meet them—in your language and measurement system. Our equipment meets the **CE**, ANSI and NFPA standards—plus other certifications on request.

Call your local Welex representative (listed on our home page on the Internet), or contact us directly.

APPROXIMATE UTILITY REQUIREMENTS

	90 mm –115 kW 3½" –150 hp	120 mm –190 kW 4½" –250 hp*	130 mm –225 kW 5" –300 hp*	150 mm –300 kW 6" –400 hp*
Electrical	220V / 3 / 50	850A	—	—
	380V / 3 / 50	500A	800A	850A
	415V / 3 / 50	450A	750A	800A
	480V / 3 / 60	350A	650A	700A
Water	25°C / 4 bar / 3°C rise	12 m³/h	25 m³/h	32 m³/h
	80°F / 60 psi / 5°F rise	50 gpm	100 gpm	130 gpm
Air	6 bar	Static	Static	Static
	90 psi	Static	Static	Static

APPROXIMATE OUTPUT RATES

Materials	90 mm –115 kW 3½" –150 hp	120 mm –190 kW 4½" –250 hp	130 mm –225 kW 5" –300 hp	150 mm –300 kW 6" –400 hp
HIPS	400 kg/h	700 kg/h	1,000 kg/h	1,450 kg/h
	850 lb/h	1,550 lb/h	2,200 lb/h	3,200 lb/h
PET	400 kg/h	700 kg/h	1,000 kg/h	1,450 kg/h
	850 lb/h	1,550 lb/h	2,200 lb/h	3,200 lb/h
PP	300 kg/h	550 kg/h	800 kg/h	1,100 kg/h
	650 lb/h	1,250 lb/h	1,750 lb/h	2,400 lb/h

Output rates are typical for this system. Because of variations in materials and operating conditions, these figures do not imply any guarantee. Specifications subject to change without notice.

*Larger motors optionally available



Welex Incorporated

850 Jolly Road, Blue Bell, PA 19422 U.S.A.
www.welex.com • E-mail: welex@welex.com
Tel: 215-542-8000 • Fax: 215-542-9841



Large capacity World Standard line equipped for V-PET with silicone coating bath and indexing turret winder.