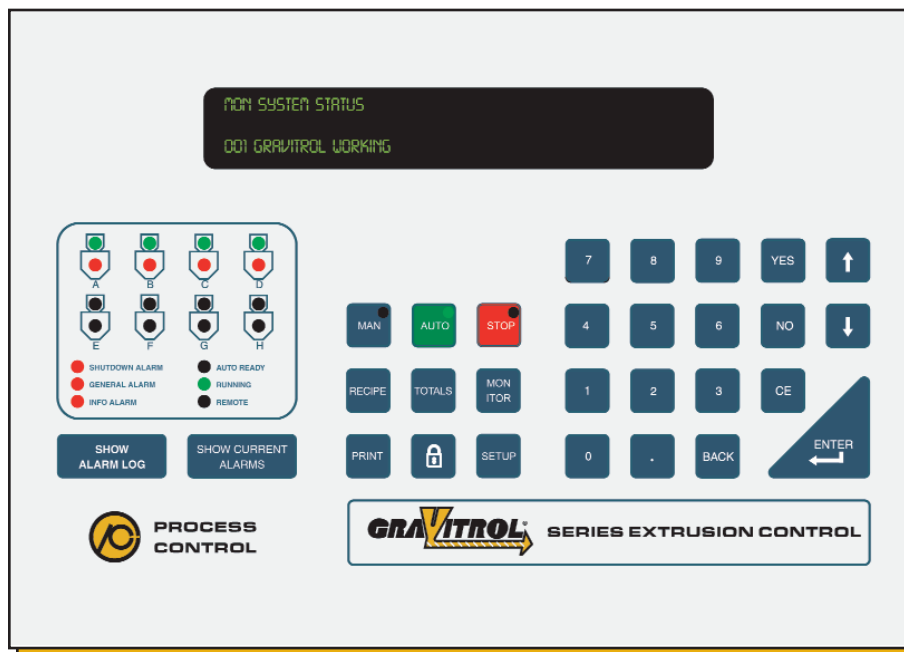


EXB Series

GRAVITROL® Operator Station



The Gravitrol® System: complete gravimetric extrusion control (Pictured above is the interface panel of the EXB Series Central Computer/Operator Station)

Process Control's Gravitrol® Gravimetric Extrusion Control Systems automate the control of any extrusion line – coextrusion or monoextrusion – on the basis of weight. The EXB Central Computer/ Operator Station is the key component of a complete Gravitrol® system.

A standard system has an HG Series Weigh Hopper mounted on each extruder to measure the weight throughput. The weigh hopper reports the measurements to the EXB central computer, which controls the extruder drives via EXD Drive Control Modules. An EXL Line Speed Control Module can be added to control the take-off device for control of line yield (weight per length).

In coextrusion applications with Process Control X Series blenders, the EXB central computer communicates with the blenders' computers

for integrated control.

The EXB communicates over a high-speed serial interface. Based on the weight readings from the weigh hoppers, the EXB periodically adjusts the speed of each extruder through the Drive Control Module (one per extruder).

The EXB Series is also the primary operator station for recipe entry, line operation and monitoring. The EXB contains an integrated membrane switch keypad for command/ data entry and an easy-to-read display. Alarm functions have been designed for maximum flexibility with three severity levels. Each level contains a separate LED indicator and contact closures that can be connected to any desired device. Security features include a key switch to prevent unauthorized access to system parameters and recipes.

The EXB Series also features remote

interface capabilities that allow the Gravitrol® system to be integrated with a complete plant supervisory control system. Communications may be accomplished through either RS422 or RS485 serial links, or through RS232 using an optional converter. A number of interface protocols are available, including Modbus, Allen-Bradley DH+ (PLC-5), EPCC, ASCII, SPI, and several other special formats. Through these remote interfaces, the Gravitrol® system can be controlled and monitored from a central location.

The EXB Central Computer/ Operator Interface, as part of a complete Gravitrol® system, offers flexibility and ease-of-use with the best possible gravimetric control. ■

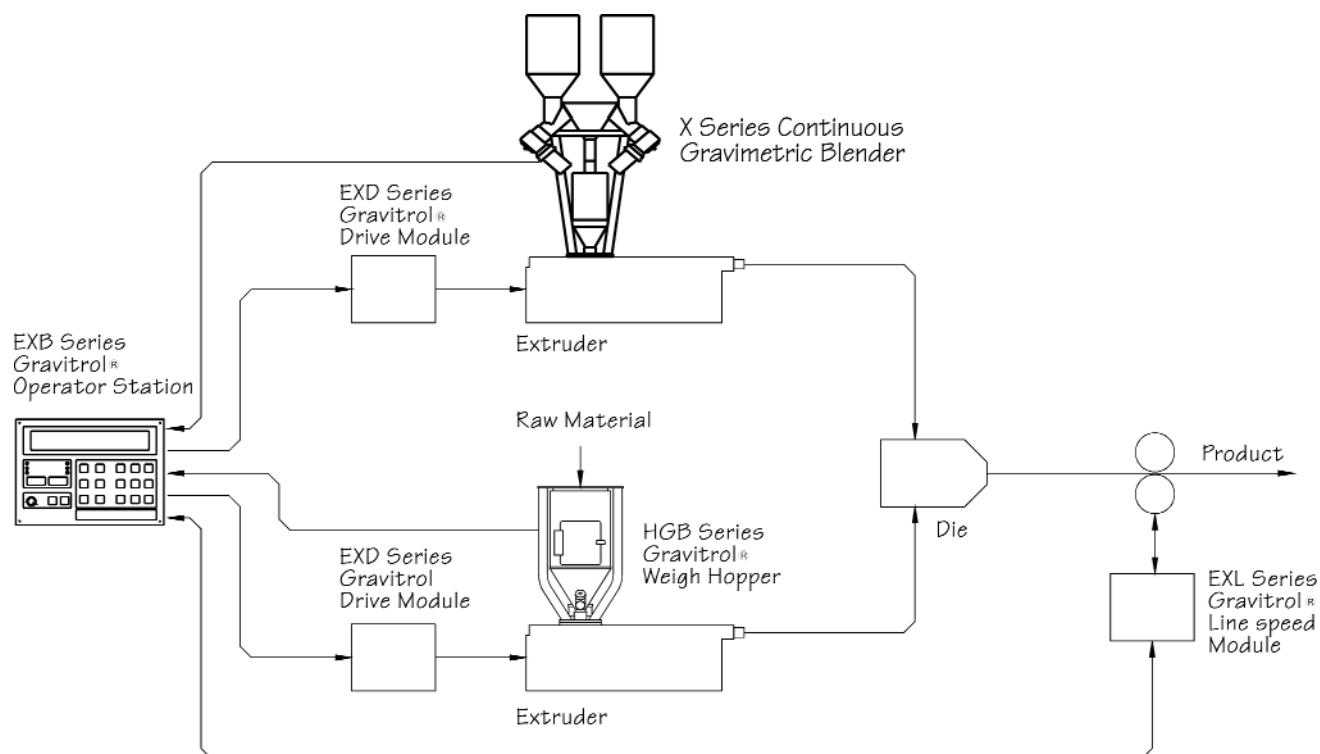
Standard Features

- Membrane switch keypad
- Vacuum fluorescent display and status LED's
- Sophisticated 32-bit microcomputer
- Quick installation on new or existing line
- Security key for restricted access
- Stand-alone enclosure
- Monoextrusion control

Options

- Coextrusion control
- Gravitrol® EXD Drive Speed Control Modules
- Gravitrol® EXL Line Speed Control Module
- Interface to layflat controls
- Special electricals
- Profibus DP interface

EXB Series Gravitrol^{fi} Operator Station



Depicted above: a complete Gravitrol® system (featuring an EXB Operator Station, two EXD Drive Speed Control Modules, an HGB Series Weigh Hopper, an X Series Continuous Gravimetric Blender and an EXL Line Speed Control Module) controlling a simple coextrusion application. Information is subject to change without notice. Use only certified drawings for construction purposes.

SPECIFICATIONS for EXB SERIES GRAVITROL^{fi} OPERATOR STATION

Model Number	Power Requirements	Enclosure Dimensions - Inches (mm)			Shipping Weight Lbs. (kg.)
		Height	Width	Depth	
EXB*AY	115/220/60/1	16.0	21.0	10.0	50
EXB*AZ	220/50/1	(400)	(520)	(260)	(23)



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