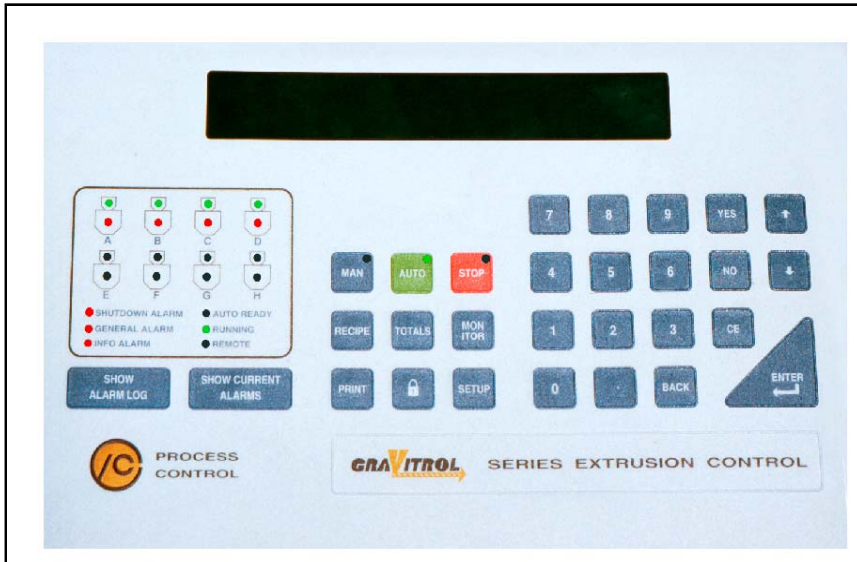


EXB-Series

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 typical system has an HG Series Weigh Hopper mounted on each extruder to measure the weight throughput. The weigh hopper reports the measurement 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 with the Weigh Hoppers and Drive Modules over a high speed serial interface, which is easily installed using a four-

wire cable. 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). With optional line speed control, the take-off device is also controlled for complete control of product weight per length.

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 vacuum fluorescent display. Alarm functions have been designed for maximum flexibility with three severity levels, each with a separate LED indicator and contact closure that can be connected to any desired device. Security features include a key switch, which prevents 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 ASCII, SPI, Allen-Bradley DH+ (PLC-5), EPCC and several other special formats. Through these remote interfaces, the Gravitrol® system can be controlled and / or 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.

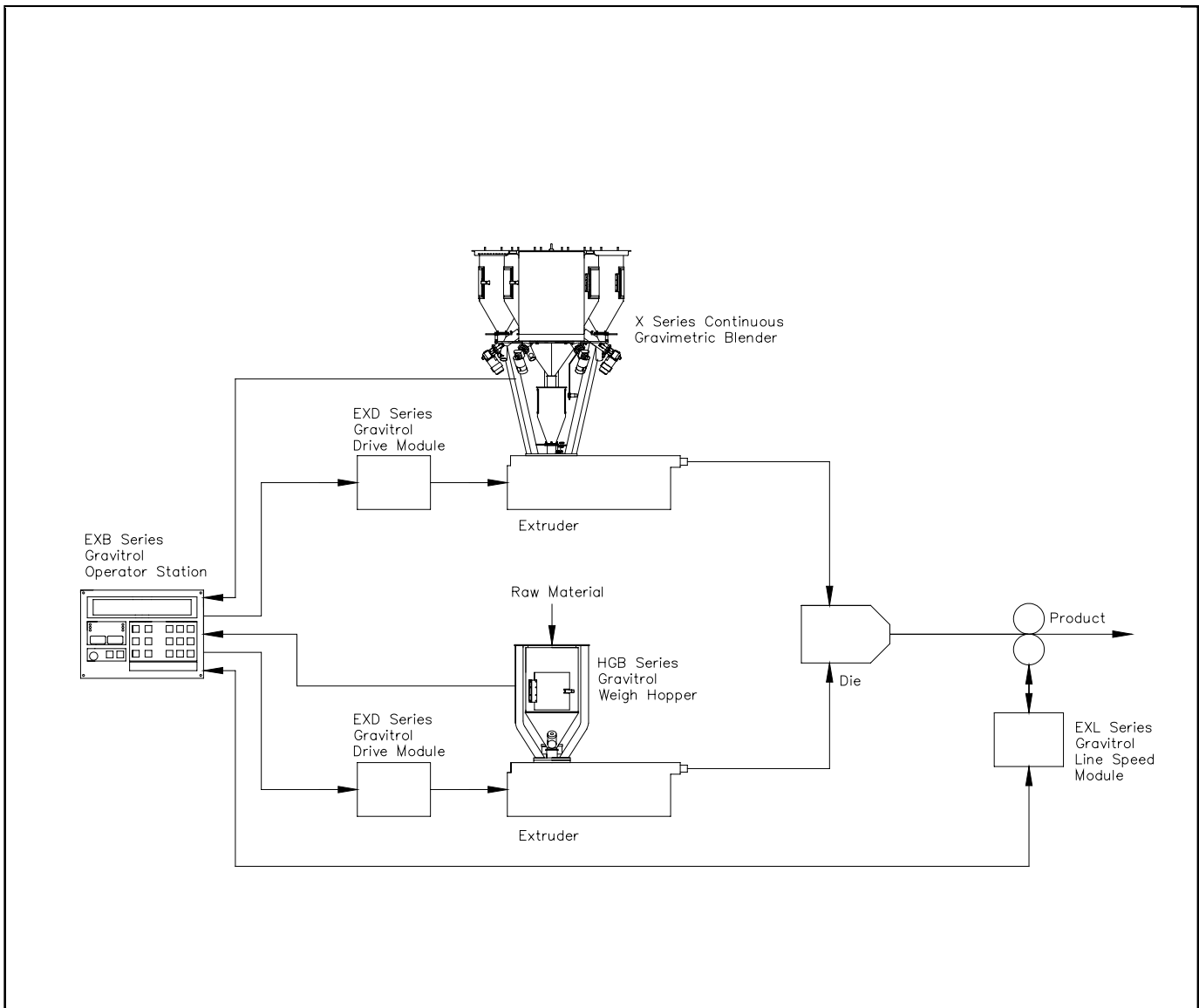
Standard Features

- ▶ 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
- ▶ mono- or coextrusion control

Sonderausstattungen

- ▶ PCC Web
- ▶ Gravitrol® EXD Drive Speed Control Modules
- ▶ Gravitrol® EXL Line Speed Control Module
- ▶ interface to layflat controls
- ▶ special paint and / or electricals

Gravitrol® 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.

SPECIFICATION for EXB-SERIES GRAVITROL® OPERATOR STATION

Model Number	Power Requirements	Enclosure Dimensions (mm)			Weight (kg)
		Height	Width	Depth	
EXBAY	115 / 230 / 60 / 1	400	520	260	23
EXBAZ	230 / 50 / 1	400	520	260	23



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