



Sealant & Desiccant Application System

i About

GED's SmartExtruder+™ delivers the exact amount of sealant to the right location throughout the production shift. Its precision gear pump eliminates pressure spikes and reduces inconsistencies due to material viscosity, air pressure or ambient temperature. From easy set-up, operation, maintenance and troubleshooting with no downtimes, the extruder provides material savings and consistent high quality. Improvements to this edition of the GED Extruder include upgrades to pneumatic plumbing (for a better response time of the dispense valves) and the ability to adjust parameters (if one of the side heads is lagging or leading) to align the start/stops/skips. Over 15 years of improved hardware technology is incorporated in the new control platform, including new encoder based dispensing that eliminates the need for timers inside the controller, resulting in a much tighter dispense tolerance for starts/stops/skips. Apply sealant and desiccated matrix to within 0.1 g/ft. of desired thickness for improved quality and cost savings, and eliminate fluctuations in the material application from air pressure, material viscosity, or ambient temperature changes.

✓ Features

- Encoder based dispensing for starts/stops/skips
- New control platform with a faster scan rate and response time
- User interface HMI is directly coupled with the PLC system
- Servo position control (width & height motors for sealant and desiccant) is directly interfaced with the control system
- Side heads have individual start/stop control with alignment adjustment
- Storage reservoir added to the pneumatic circuit to improve response time of the dispense valves
- Optional upgrade to co-extrusion of sealant and / or dual desiccant dispensing

Performance Specifications

- **Line speed:** 80'-94' FPM (24.38m - 28.65m per minute)
- **Max spacer length:** No Limit
- **Min spacer length:** 6" x 6" (152.4mm x 152.4mm)
- **Spacer widths:** 7/32" to 7/8" (5.56mm to 22.22mm)
- **Sealant and matrix thickness application accuracy:** +/- .002" (.05mm)
- **Sealant start/stop accuracy:** +/- .050" (1.27mm)

Standard Options

- Expandable desiccant matrix application stand w/autowidth adjust and 3 nozzles (expandable up to 6 nozzles)
- Automatic servo position controlled conveyor width adjustment and applications heads
- Precision positive displacement gear pumps
- Color touch screen HMI
- Calibration Wizard for customized dispense recipe set-ups
- Standard 6' [1.83m] entry conveyor and 6' exit conveyor
- Processor controlled multiple zone temperature settings

Upgrade Options

- Dual Desiccant Matrix Dispensing System
- Dual Sealant Co-Extrusion System
- Expand to up to 6 desiccant matrix nozzles
- Spacer Cooling System
- 9' (2.74m) Exit Conveyor
- Spare Parts Kits
- Quick change drum kit

System Controls

- B&R PLC, touch HMI and multi-axis servo control
- Software diagnostics
- Software for remote diagnostics
- Encoder based precision dispensing
- Ethernet Power-Link based I/O
- Quick response pneumatic components and circuitry
- Production schedule interface with *Intercept®* i-3
- Processor controlled closed-loop pressure system

Preferred Service Package

- Pre-installation service call
- Machine installation
- Standard GED 1-Year Equipment Warranty
- Machine operator/maintenance training



Request for Quote

P: 330-963-5401
F: 216-333-1275
www.GEDUSA.com



31100 Diamond Parkway
Glenwillow, Ohio 44139

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Literature vSmartExtruder+-SL20200703



Designed & Manufactured in the USA

About GED Integrated Solutions

GED Integrated Solutions is a Worldwide Supplier of fully integrated insulating glass (IG), vinyl window and door robotic automation fabrication systems and software. GED leads the industry with quality, capacity and cost-effective solutions as demonstrated by the revolutionary *Intercept®* Warm Edge spacer frame production systems as well as our innovative vinyl automation systems and value-driven scheduling and analytics software. GED's commitment to innovation, that addresses our customers' needs, is proven by the fact that 22 of the top 25 window and door manufacturers utilize GED's equipment and software.