



Sealant & Desiccant Application System

i About

GED's i-3 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

- 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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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.



TECHNICAL SPECIFICATIONS

WEIGHTS		<i>For installation dimensions please refer to the full line layout drawing</i>	
Standard Extruder Single Dessicant	2800 lb. (1270 Kg)		
Co-Extruder Single Dessicant	3300 lb. (1497 Kg)		
Standard Extruder Dual Dessicant	3700 lb. (1678 Kg)		
Co-Extruder Dual Dessicant	4200 lb. (1905 Kg)		
DIMENSIONS			
	SINGLE DESSICANT	DUAL DESSICANT	
6' entry and exit conveyor (standard)	141.5" (359.4 cm.)		
6" entry and 9' exit conveyor	177.5" (450.9 cm.)		
9' entry and 6' exit conveyor			177.5" (450.9 cm.)
9' entry and 6' exit conveyor			213.5" (542.3 cm.)
Overall Width	72.5" (184.2 cm.)		
Overall Height	73" (185.4 cm.)		
Working Height (Conveyor Height)	39" (99.1 cm.)		
SPECIFICATIONS			
Speed (Conveyor Belt Speed)	80-94 feet per minute		
Spacer Width Adjustments	7/32" - 7/8"		
Spacer Profiles	<i>Intercept®</i> - Standard Profile (0.300" high spacer)		
Heating Range	Ambient Room Temperature to 300°F		
REQUIREMENTS			
Power	480 VAC, 3 phase, 50/60 Hz		
Standard Extruder Single Dessicant	29.7 FLA		
Co-Extruder Single Dessicant	31.9 FLA		
Standard Extruder Dual Dessicant	33.8 FLA		
Co-Extruder Dual Dessicant	36.0 FLA		
Air Requirements	90 PSI, 1 CFM Optional Spacer Cooler: 90 PSI, 10 - 35 CFM. (Additional supply required) (Filter/Regulator/Lubricator with Regulator Gauge and lockout point provided)		