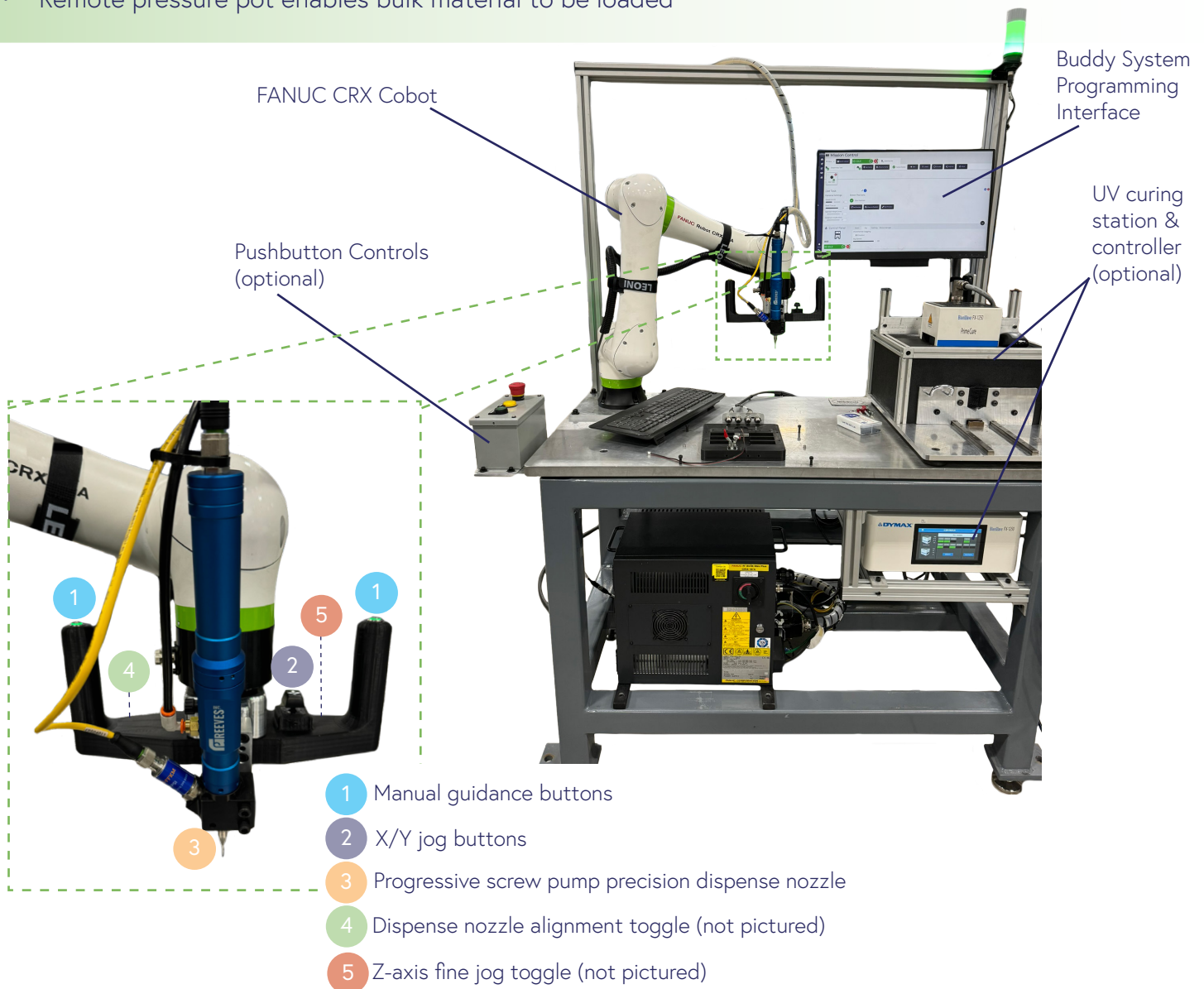


1K PROGRESSIVE SCREW PUMP PRECISION DISPENSE

1K Progressive Screw Precision Dispenser

- Allows continuous flow and measured dispense options
- Provides repeatable and accurate dispense regardless of viscosity
- Customizable for flow rates from 0.01cc to 12cc per second
- Temperature adjustable for hotmelt applications
- Pressure can be monitored at the output
- Versatile across many product types
- Remote pressure pot enables bulk material to be loaded



Customized to Material Requirements

Manufacturing goals are not one-size-fits-all. The Buddy System is flexible and intended to be customized to tune in to your exact dispense requirements. Dispense Buddy features The Buddy System software interface, integrated with a FANUC CRX Collaborative robot (sizes variable), paired with your preferred dispense application, such as 2K Progressive Screw cartridge dispensers, or the 1K syringe-based time pressure dispensing in order to best control material dispense flow, repeatability accuracy, bead size, and cycle time.

Customized to achieve your dispense goals with applications including:

- 1K large cartridge used for caulk tubes
- 1K and 2K Precision Dispense
- 1k and 2K Progressive Screw Dispensers
- Hot melt applications



Dispense Tool Integration Options:

1-COMPONENT

Progressive Screw Dispenser



- Allows continuous flow and measured dispense options
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- Customizable for flow rates from 0.01cc to 12cc per second
- Temperature adjustable for hotmelt applications
- Pressure can be monitored at the output
- Versatile across many product types

2-COMPONENT

Custom Dispenser for 2K Materials



- Works with duo pack cartridges
- Controlled dispense amount via encoder
- Accurate flow cut-off
- Quick cartridge changes

Nordson EFD UltimusPlus I-II Dispensers



- Versatile across many product types (adhesives, UV cure, greases, cyanoacrylates, oils, paste, etc.)
- Easy setup and customizable needle and nozzle designs
- Provides precise small volume dispensing

Shear Sensitive Progressive Screw Dispenser for 2K Materials



- Controlled ratios for accurate mixing
- Controlled volumetric dispense to help with applications like potting
- Allows continuous flow and measured dispense options
- Provides repeatable and accurate dispense regardless of viscosity
- For use with multiple types of two component materials (Epoxies, RTVs, etc.)

Ordering Information

Let's talk about how Buddy System can support your dispense goals. To order, call 616.239.1258 or email buddy@mission-llc.com

Developed by

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DESIGN & AUTOMATION

Learn more:



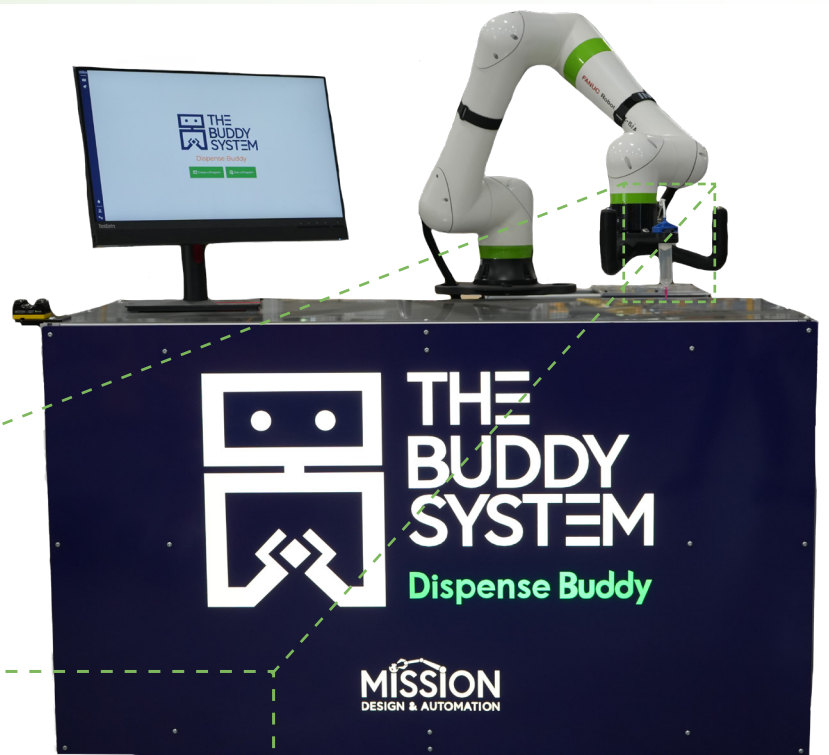
About The Buddy System:

The Buddy System is a collaborative robotic system interface developed for easy-to-program path planning with light automation applications in dispense, taping, and quality control.

1K SYRINGE DISPENSE

1K Syringe Dispenser

- Versatile across many product types (adhesives, UV cure, greases, cyanoacrylates, oils, paste, etc..)
- Easy to setup and customize with various needle and nozzle designs
- Provides precision for small volume dispensing



Integrated with Nordson EFD UltimusPlus I-II Dispenser

Customized to Material Requirements

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Customized to achieve your dispense goals, with applications including:

- 1K large cartridge used for caulk tubes
- 1K and 2K Precision Dispense
- 1k and 2K Progressive Screw Dispensers
- Hot melt applications

PRECISION CONTROLLER FOR EASY PROGRAMMING



- 1 Manual guidance buttons
- 2 X/Y jog buttons
- 3* Interchangeable dispense nozzle per material requirements (see below)
- 4 Dispense nozzle alignment toggle (not pictured)
- 5 Z-axis fine jog toggle (not pictured)

Dispense Tool Integration Options

1-COMPONENT

Progressive Screw Dispenser



- Allows continuous flow and measured dispense options
- Provides repeatable and accurate dispense regardless of viscosity
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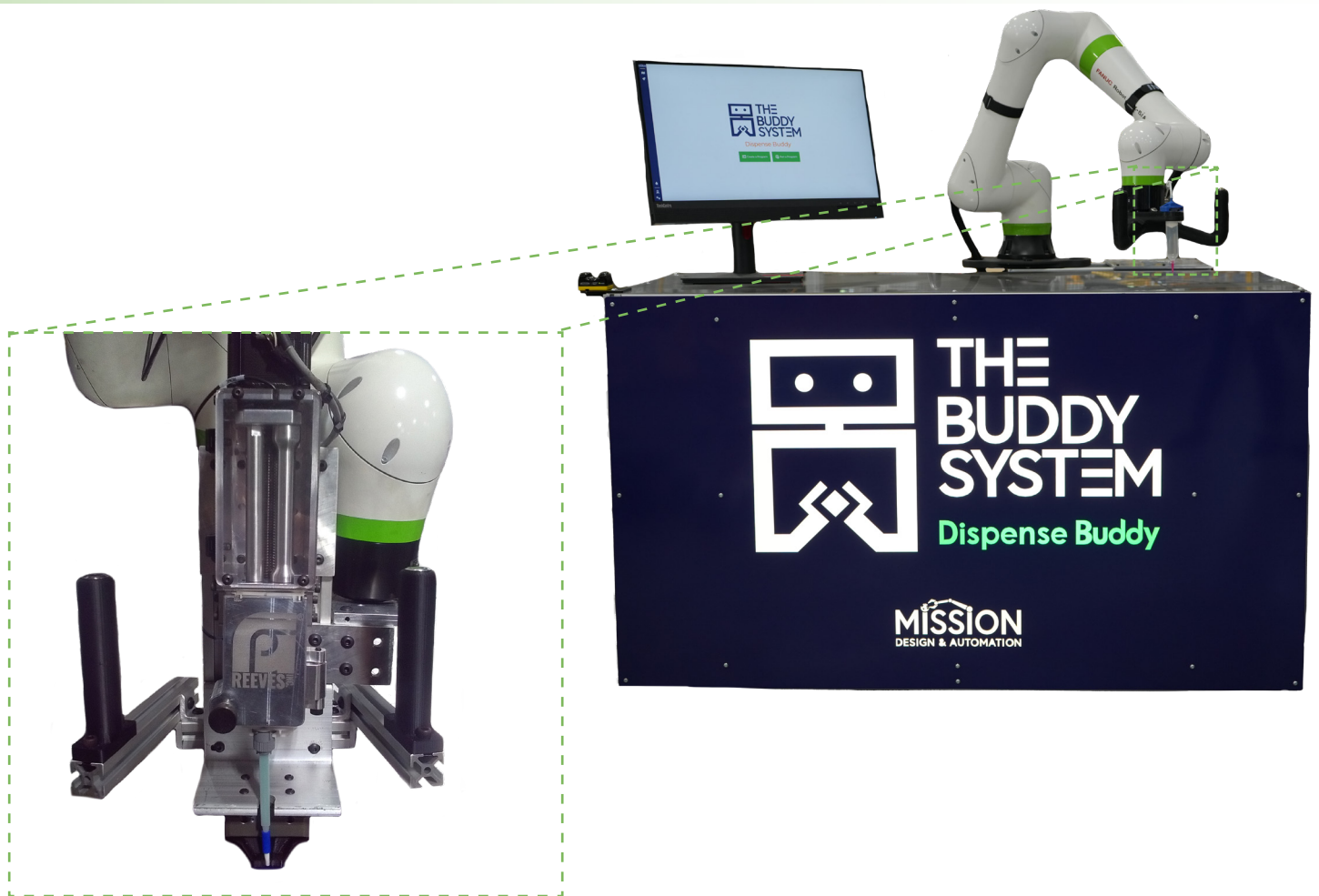
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2K CUSTOM DUO PAK DISPENSE

CUSTOM DISPENSE UNIT FOR 2K DUO PAK

- Works with duo pack cartridges
- Controlled dispense amount via encoder
- Accurate flow cut-off
- Quick cartridge changes



Compatible with 3M Duo Pak Cartridges:



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Customized to achieve your dispense goals, with applications including:

- 1K large cartridge used for caulk tubes
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- 1k and 2K Progressive Screw Dispensers
- Hot melt applications

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Progressive Screw Dispenser



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Shear Sensitive Progressive Screw Dispenser for 2K Materials



- Controlled ratios for accurate mixing
- Controlled volumetric dispense to help with applications like potting
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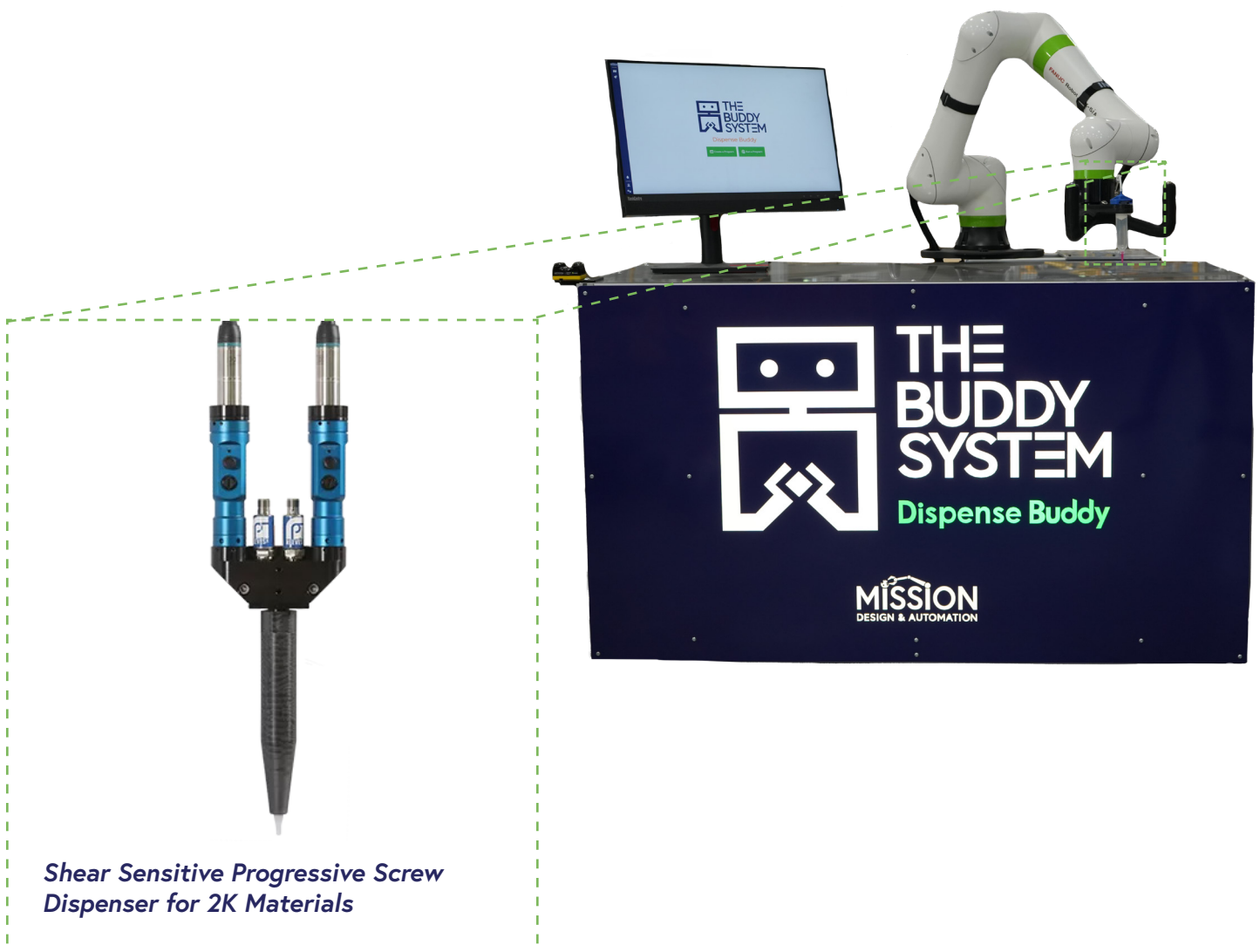
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2K SHEAR SENSITIVE PROGRESSIVE SCREW

Shear Sensitive Progressive Screw Dispenser for 2K Materials

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- Controlled volumetric dispense to help with applications like potting
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*Shear Sensitive Progressive Screw
Dispenser for 2K Materials*

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