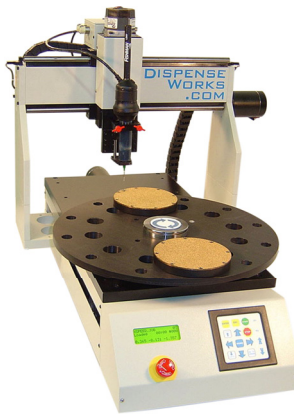




Robotic Dispenser Applications 1



Basic Syringe Application
Self contained. Requires No PC for operation. Parts remain stationary.



Programmable Servo Index Dial
With custom sintered vacuum chucks and positive displacement dispense valve.



Micro Deposit Epoxy with Vision
10 cc Syringe and a vision system provide the ideal R&D rework station.



Dispensing and Vision System
Automatically finds center of each ring and prior to dispensing.



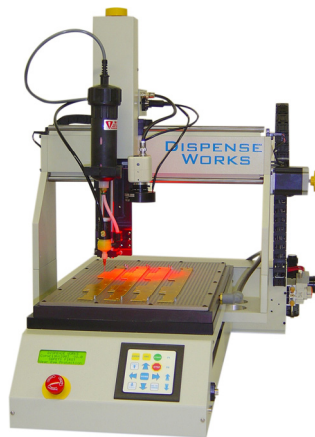
RTV Applicator with 2 stop Indexer
Piggy back canister accommodates any standard caulk tube.



Heated Platen with Tray Fixture
Digital closed loop temp controller and positive displacement valve system.



UV dispenser with Pressure Tank
Optional bar code scanning system streamlines production.



Vision Recognition & Vacuum Plate
Cartridge holder and valve with quick disconnects for most single part materials.



Custom Magazine Tooling and Assembly
Glass slides shuttled and plastic discs are assembled with UV adhesive system.



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Robotic Dispenser Applications 2



2 Part Meter / Mix RP-2415 System
Automatically dispenses from standard cartridges. With "stretched" X axis.



Ultra Precise 2" thick Granite Base System
Unique programmable brushless auger valve directly controlled by system vector speed. A perfect flat and stable work surface.



2 Part Meter / Mix System.
Overhead gantry available in several configurations and travel lengths.



Micro Machining with Spindle
Machining panels and prototyping parts from DXF, PLT & G-Code files.



Dual Head Ink / Paint Applicator 24" x 15" Work Area
Pallet system streamlines production by allowing operator to load/unload a 2nd pallet during machine cycle. With Center-Shift software controlled valve shuttle.



UV dispenser with 6oz Cannister.
Accurate dispensing of UV cure materials on a PC board array.



PC Board Rework and R&D
Benchtop machining with control and features to satisfy most applications.



2 Part Meter / Mix Epoxy Applicator.
Dispenses sealants from most industry standard cartridges and tubes 200 – 400 ml.



RTV Silicone from Caulk Tube.
1/10 gallon piggyback caulk tube holder / valve with Quad fixture.

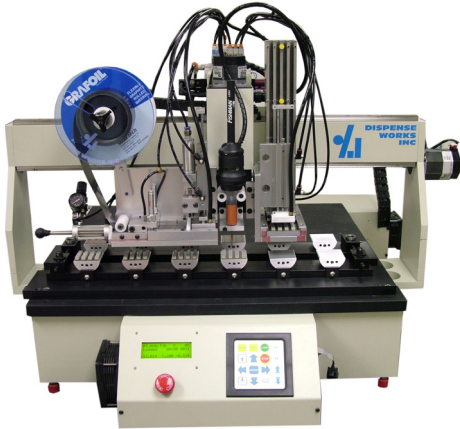


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Robotic Dispenser Applications 3



Assembly & Dispense RP-2415 System
Foil feed / cutting, Chip feed magazine, positive displacement dispensing.



Three Head Epoxy Dispensing on Pallets
Unique system features 3 way adjustable valve / syringe mount. Electronic fixturing.



Axis 500 Production CA Fill system
Palletized filling of adhesive into different sized containers & vials.



Powder Dispensing System
Unique positive volume powder dispense head fills mini cassettes.



Capping & Filling with Peristaltic Pump
Uncaps, fills, re-caps bottles to a programmable torque. File based controls.



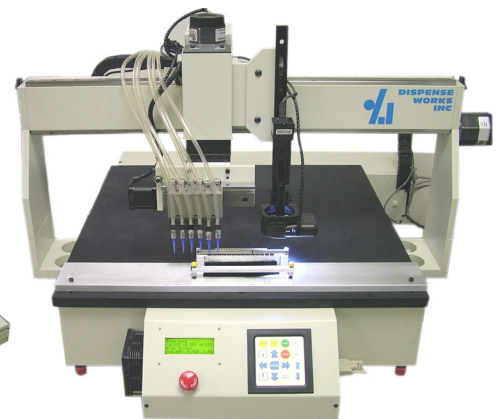
Tooth Whitening Case System
Dispenses gel, press on brush, snap on cap, applies label automatically.



Silicone Applicator with Poking Head
Custom medical application "pushes" silicone into component.



Automated Epoxy Application Dual Head
Dual conveyor with sensors and stops automates epoxy dispensing from 55 g drum



6 Head Dispensing with Automatic Vision
Custom programmable six head tip shuttle mechanism & glass programmable syringes.



Robotic Dispenser Applications 4



RP-2424 Robot w/Programmable Auger
Auger screw “follows” X & Y axis trajectory for best bead characteristics.



BenchCat Syringe Dispenser
Automates that messy, tedious manual operation with affordable robotics.



Brush Tip w/ 6 oz Cartridge
Automates “wiping” release onto mold cavities with ultra precision & repeatability.



E-Z Robotic Dispensing System
High speed system ideal for positioning over a conveyor, dial, or use as work cell



Hot Melt Robotic Glue System
Automatically controls hot melt system and applicator. Just “teach” the pattern!



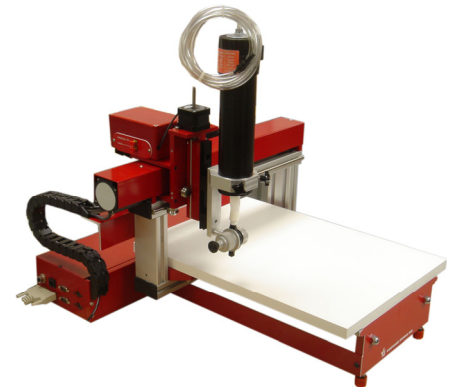
Axis 300 Affordable Mini Robot
Ideal for simple syringe / valve applications. 12” X 12” X 2” travel.



RP-1215 System w/ Engraving Head
Dot peen marking head provides chipless engraving on virtually any material.



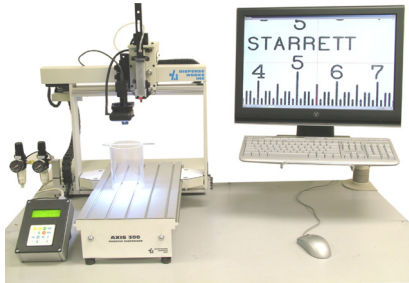
2-Part Meter/Mix with Dual Heads
RG Series machine allows “pass thru” conveyor / tooling application.



Axis 300 Robot with 6 oz Cartridge
A simple “pinch” valve and cartridge automates an adhesive application.



Robotic Dispenser Applications 5



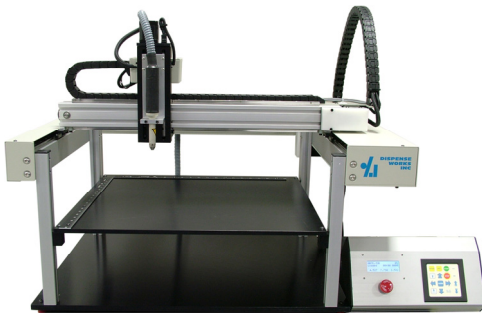
Axis 300 system with TeachCam Vision
Assists the jog & teach function using a PC vision system with cross-hair display.



Axis 300 System with 30cc Syringe
Affordable robotic solution with built in digital valve control & vacuum system.



Custom Configuration
Scans honeycomb part with scanner & pierces selected cells with a tool.



RG Series Benchtop
Large 20 X 20 dispense area with overhead gantry design and removable pallet plate. Open bottom design



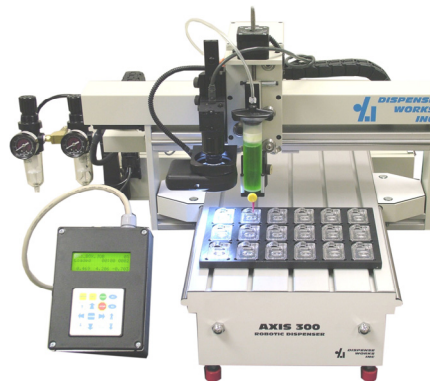
BenchCat with 2 Programmable Syringes
dispensing 19 microliters per shot. Fully programmable volumes.



EZ-64 System with diaphragm valve
Ideal for automating that tedious and messy manual dispensing application.



Robotic Soldering System
Automatically feeds solder to the iron and can operate from a CAD file direct!



Axis 300 Kryptonite Dispenser
A great solution for dispensing onto parts in rows & columns, unless you're Superman!



RP-2415 with 380ml 2 part cartridge
Adhesive application with standard cartridge holder featuring quick change-over system.



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Robotic Dispenser Applications 6



Axis 300 system with Pick & Place UV
Gripper removes lens, dispenses UV glue, assembles & spot cures lens to housing.



RG 7236 w/ 5 Heads and Cart Docking
Dispensing 2 part epoxy, RTV, Laser inspection & serializing ID marking.



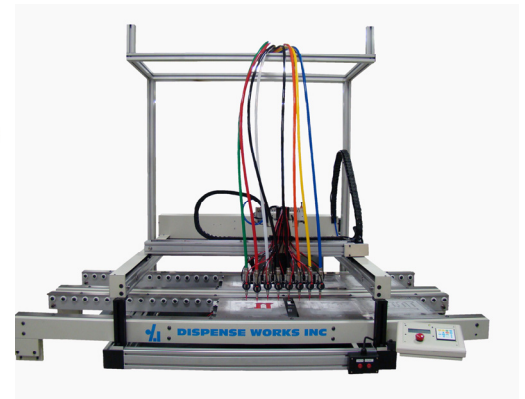
Axis 300 with Custom Rotating Nests
Fills ink / epoxies into decorative castings. Quick release changeover fixtures w/ locks.



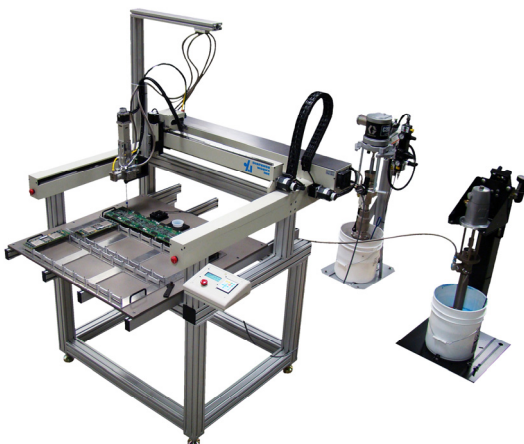
RP 2424 with Pro Pallet Fixturing System
A great solution for quick changeover of pallets for different products.



RG 2424 with 2 Part Epoxy System
Gantry system with changeover pallets for step & repeat production. Also accommodates conveyors.



MG 3024 with 8 Heads & Dual Conveyors
Ideal for multi-color filling operations. Includes conveyor stops, sensors & logic



RG 3030 with 2 Part Meter / Mix System
Positive displacement head programmable patterns and shot sizes w/ servo systems.



RingDex 18 Filling, Tipping & Capping
Semi-Auto rotary dial with change over ring for bottles, vials and ampoules.



RP 2415 with Vision & Chip Placement
Adhesive application with vision and pick & place with force sensing & recording.



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Robotic Dispenser Applications 7



RP 1215 X with Granite Base & Vision
Auger valve with carbide components.
Capable of 0.0075" (19 micron) dots.



Axis 300 with Auger Valve & Tooling
Dispensing grease into plastic cavities.
Custom vacuum hold down fixturing.



Axis 300 with 1 Gallon Pressure Pot
General purpose dispenser with diaphragm valve and pressure pot, software controlled.



MG 2412 with 6 Heads and Conveyor
Includes independent control of 6 dispense valves and pallets on roller conveyor system.



RP 1215 with Positive Displacement Syringe
True positive displacement glass syringe system driven directly by the robot. Pre programmed.



Axis 500 with 1/10 Gallon Canister
22" x 22" Travel. Includes high pressure spool valve and caulk tube pressure canister.



Axis 300 with Exclusive Rotating Tip
Programmable tip allows "reaching" into grooves, inside diameters, etc



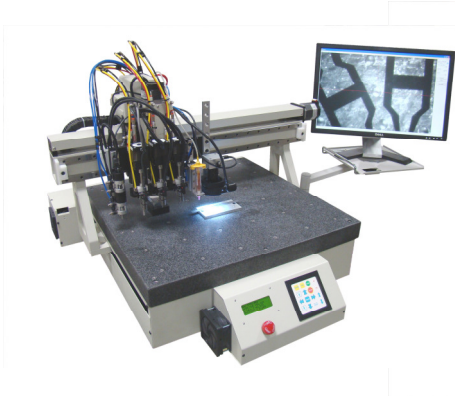
RP 1215 RTV Valve, and Pick & Place
With 5gallon pail pump, laser sensor and scale for shot size verification.



Ring Dex 14 with Rotating Nests
Adhesive application inside lamp housings. Removable "disc" nests for quick changeover.



Robotic Dispenser Applications 8



RP 2415 X with Granite Base & Vision
Multiple pick & place modules for full precise placement production.



Axis 500 with Dual Heads
Two valves independently controlled and with pre-programmed automatic tip offset.



RP2415 with Assembly, UV cure, Marking
Medical application assembly with pick & place dispensing dual UV curing and marking



Ring Dex 18 with Base & Accumulator
Great low to mid volume production center for filling, capping and tipping. With scale.



RP 2415 with 2 Part Epoxy Cartridge Head
Benchtop system dispenses directly from 400ml twin cartridge. Available in 50, 200, 400, 600 ml



RP 2415 with Universal Syringe Mount
Accommodates 5 – 10 – 30 – 55cc industry standard syringes. Removable on dovetail.



RP1215 with Dual Heads
Independent up/down control for each valve. Software controlled tip "offsets".



RP 1215 Heated Glass Syringe Mount
Heated dispensing head with PID digital temperature control and feedback.



RP 1215 with Universal Syringe Mount
Accommodates 5 – 10 – 30 – 55cc industry standard syringes. Removable on dovetail.