

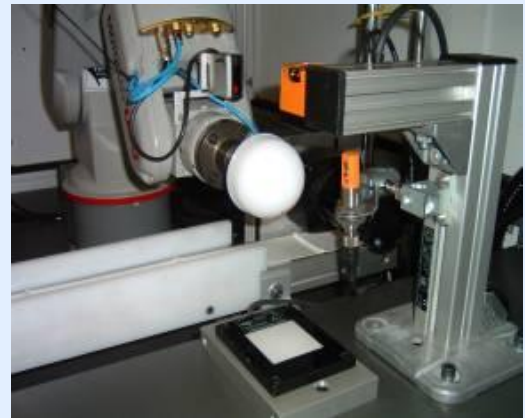
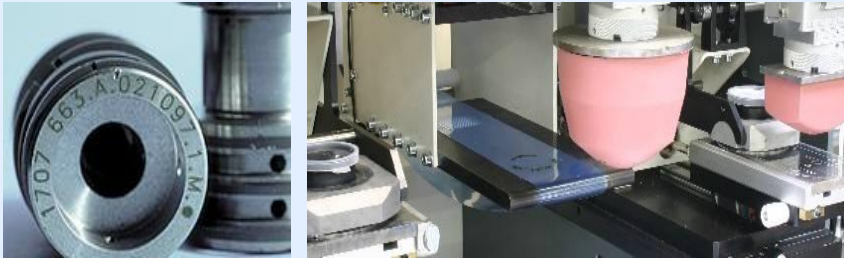
AMTEC

Applied Manufacturing Technologies, Inc.

Est. 1995

Your Reliable Source & Partner for Product Identification Systems & Services

- Laser Marking, Engraving, Cutting, Drilling & Micro-Machining Systems
- Automation Systems
- Pad Printing
- Inkjet Printing
- Hot Stamping & Heat Transferring
- Welding-Ultrasonic & Laser
- Conveyor Systems
- Contract Manufacturing Services
- Surface Treatment



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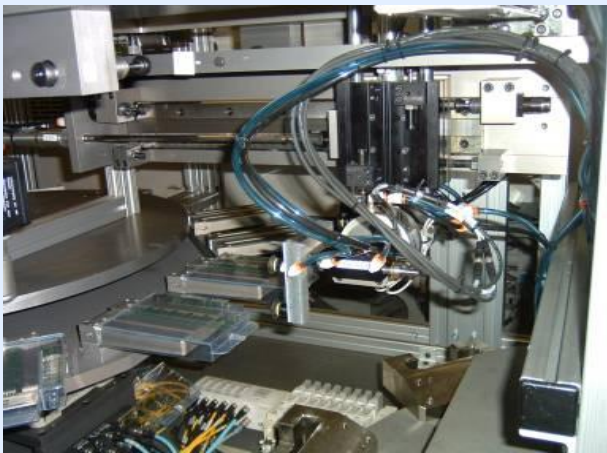
Website: www.amtecinc.com

E-mail: sales@amtecinc.com

Automation Systems



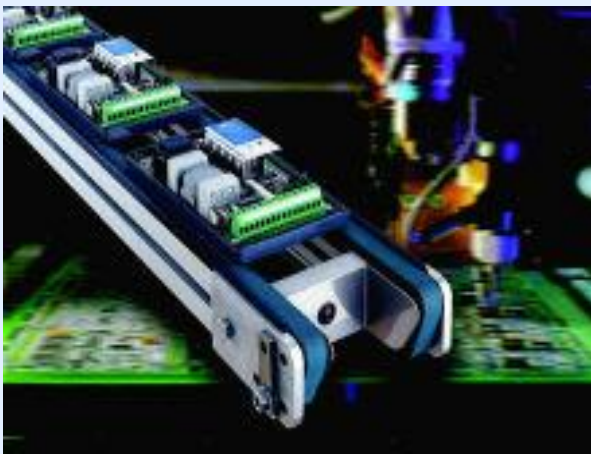
- **Automated Assembly Machine for Medical Devices.**
- **Assembly Processes: Auto feeder, Welding, Leak Testing, Rotary Indexers, Vision Inspection System, Printing/Marking, Precision part positioning systems etc.**
- **Speed: Depending upon the product; 20 to 300 ppm.**
- **Feeder Bowl System.**
- **Part Transfer Module with X-Y-Z-R motion.**
- **Molding robot loading parts on the machine.**
- **6-Axes Robot for automatic part handling & processing.**
- **Multiple manufacturing processes depending upon application.**



Part transfer module with X-Y-Z-R motion



Feeder Bowl System



Dual Belt Conveyor System DGF – P 2001



6-Axes Robot with part present sensor for automatic pick & place

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Laser Marking, Engraving, Cutting, Drilling & Micro-Machining Systems



- Laser Type: CO₂, Excimer, Yag/YVO₄- IR, Green & UV, Flash-lamp, Diode-pump and Fiber.
- Power Range: Yag/YVO₄- 10, 50, 100 up to 250 watts. CO₂- 10, 30, 100, 250, 500 up to 4,000 watts.
- Marking speed: CO₂: up to 10,000 mm/s; Yag: up to 30,000 mm/s
- Marking formats: OCR, 2D Matrix, Bar Codes, Graphics, logos, symbols, linear, circular, angular, reverse, rotate fonts - true type & custom fonts.
- Marking processes: Surface Annealing, Surface Etching, Ablation, Thermal Marking, Speciality Marking, Deep Engraving, Heat Treating and Micro-Machining.
- Applications: Medical, Industrial, Automotive, Aerospace, Aluminum, Wood, PVC, Carbide, Titanium, Steel etc.



Fixed Beam Delivery System with Programmable X-Y-Z axes for Cutting & Scribing applications



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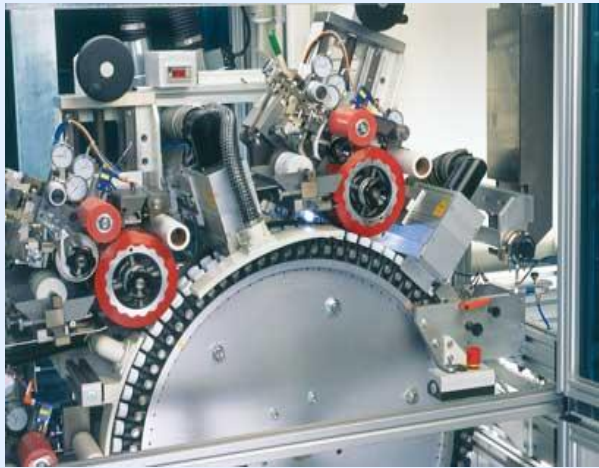
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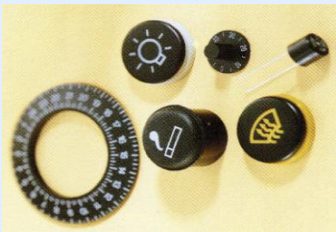
Pad Printing



- Pad printing system for all kinds of plastics, balls, caps and closures for bottles, glass, ceramic, porcelain, medical devices and other applications.
- Pad printing machines starting from standard machinery, custom printing machines, rotary machines to extensive customized pad printing solutions.
- Speed: up to 300 ppm (higher throughput available on request).
- Printing sizes: 50, 75, 115, 145 and 200 mm diameters (other sizes available upon request).
- Printing plate type: Polymer, thin steel and thick steel.
- No of colors: 1, 2, 3, 4 and more upon request.
- Part Handling: manual or automatic.



Rotary Printing System 2-colors w/Automatic Part Loader/Unloader



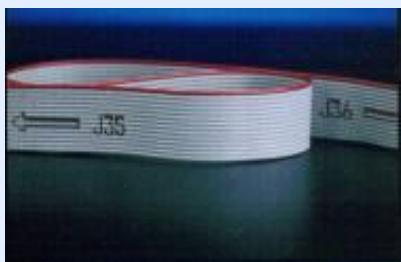
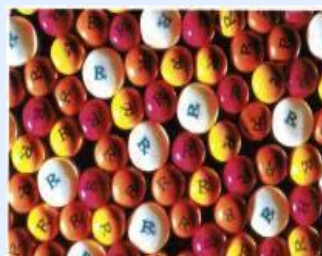
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Inkjet Printing

- Providing reliable, non contact printing systems for challenging or unique marking, coding and imaging applications.
- Able to print 1 to 4 lines at speed up to 1, 111 feet per min. @ 10 characters per inch.
- Nominal Character Height selectable from 0.05" (1.33 mm) to 0.50" (12.7 mm) and Small Character Height selectable from 0.031" (0.8 mm) to 0.25" (6.3 mm).



Outstanding Print Quality & Reliability

Inkjet Printing System



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Ultrasonic Welding



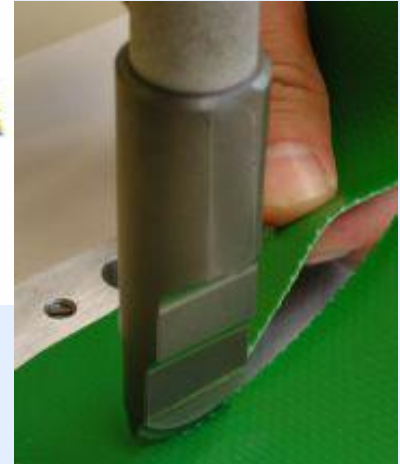
- **Welding Processes:** Plastic, Metal, Fabric/Cut 'n' Seal, Hot Plate, Vibration and Spin Welding.
- **Drive:** Servo and Pneumatic.
- **Cylinder Diameter:** 1" to 4".
- **Max. force on parts:** 90 lbs, 170 lbs and 670 lbs.
- **Stroke:** 2" to 4". (extended stroke upon request)
- **Power range:** 70, 900, 1000, 2000 and 4000 watts.
- **Production tooling:** Custom tooling depending upon application.
- **Rotary index table and part shuttle - optional.**



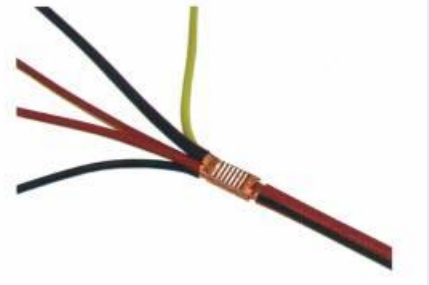
Plastic Welding



Metal Welding



Cutting of coated fabric



Wire Welding



Fabric/Cut 'n' Seal

Hot Stamping/ Heat Transfer Systems

- Our hot stamping systems simplify set up, operation and changeover resulting in less downtime, higher quality and more production. Our system controller is easy to use. No programming required. Machine functions and diagnostic messages are displayed in plain language - English, Spanish - at the touch of a button.
- Standard (including 360° wrap around) presses provide a wide range of choices to fit most HOT STAMPING and HEAT TRANSFER applications.
- Ranging from ¼ ton to 20 ton capacity, they can be combined with specific modular accessories to save a host of decorating problems



Automated Foil Stamping Machine



Heat Transfer on a Rotary Index Table



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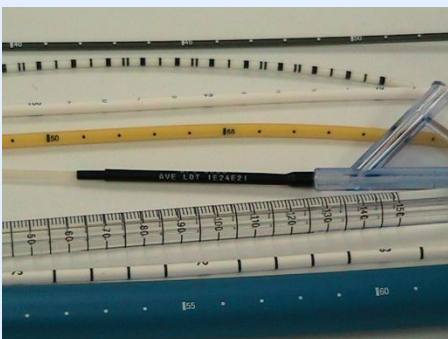
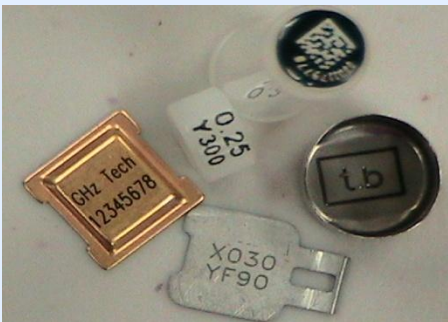
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Contract Manufacturing Services



AMTEC aims to exceed customer's expectations in the services and products it provides. We accomplish this by :

- Continuously improving our operations to produce top of the line products and services.
- Designing safe and effective products that better the lives of people.
- Having a quick response to varying market requirements.
- Providing a motivational work ambience, which rewards innovation and employee excellence.



Pad Printing w/Plasma Treatment and Curing of Medical Devices



Applied Manufacturing Technologies, Inc.

For more info. Please contact Sales Dept.

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