

BenchDot - Dot Peen Marking



The Pryor BenchDot is a bench mounted dot-peen marking (also known as impression marking or dot marking) machine. These are robust and compact marking devices that can easily integrate into a workshop environment due to their quality build and compact size. The BenchDot is ideal for marking small to medium sized components of unusual shapes and dimensions with alphanumeric information and 2D barcodes.

- Suitable for marking small to medium sized components of unusual shapes and dimensions
- Ideal for marking alphanumeric identification and Data Matrix codes
- Available with a wide range of accessories to tailor to your specific marking requirements
- Machine of choice for rigorous specifications of dot matrix marking in the aerospace industry
- A single marking system for all requirements

Overview

The Pryor BenchDot provides a fully programmable marking device, ideal for marking different shaped components or different alphanumeric or Data Matrix identification codes. The user can easily change the font, the size of the mark, the shape of the mark (straight, angled, arc, reverse), the depth of the mark, the density of the 'dots' and each final design can be saved as a set 'layout'. This makes it very easy for an operator to save multiple layouts for different components which can then be selected as the part is loaded, providing fast and accurate setup every time. The machine also comes with a variety of different accessories and fixtures, allowing you to choose the exact fittings for your requirements; these include: Circumferential Marking Axis, Magnetic Fixture, T-slotted base, Label Marking, cold foil feed systems and customised solutions. The BenchDot dot-peen marking machine provides a single marking system for all requirements.

Three different marking windows are available to ensure the space meets the marking requirements of the application, and the z-axis column provides flexibility for different sized components. This comes with a digital z axis option and "autosense", a unique and modern feature that automatically positions the stylus at the right height and position for the component being marked, reducing time and eliminating error.

A twin head option is also available for high production rate requirements and each head can be configured to mark different data within a single cycle.

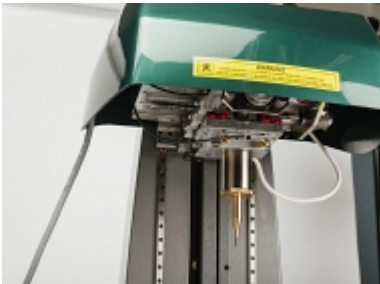
It is not only the mark that the machine creates that is highly flexible, but the machine itself, too. The modular design of the BenchDot means that each machine can be easily upgraded as new features are released and as your marking requirements develop, saving you from having to invest in new machinery and preventing redundancy of existing machinery. Furthermore, the cast table and column construction and unique high-quality ball screw mechanism marking head guarantees the system is capable of operating in the most demanding industrial environments. It also ensures precision that is second-to-none, making it the machine of choice for the rigorous specifications of data matrix dot marking within the aerospace industry.

Aerospace manufacturers and suppliers often choose the option of an added verification system that checks the quality of the codes against international marking standards, including: AS9132, JES131, RRES 90003, AIM-DPM-Guideline, MIL-STD-130, ISO15434 and ISO16022. This verifies that the mark is machine-readable ensuring that the mark is fit for supplying data in data-driven manufacturing. Pryor also offers the option of adding a data matrix reader to the machine, allowing the operator to read and capture data from the marked component. This is critical for data-driven manufacturing and process control, allowing measurability and eliminating quality defects.

- Traceability and Data Capture
- Automated Part Marking
- Aerospace Marking Standards
- Automotive VIN Marking
- Hand Tools for Marking and Identification
- Serial Number Marking
- Logo Marking
- Production Data Monitoring

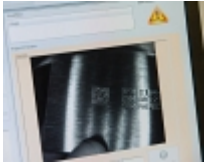
The BenchDot requires no compressed air supply, making it highly efficient and significantly quieter than pneumatically powered systems. The machine also provides the option of a Deep Pneumatic Conversion Kit which will create very deep marking that exceeds that of the basic model, up to 1.5mm in mild steel. This is ideal for marking engine blocks and large castings.

- Fully programmable and controllable output
- High quality ball-screw mechanism ensuring highest levels of precision
- Ability to save multiple mark layouts, enabling fast, accurate and consistent setup
- Easy to use
- Robust and Compact
- Highly efficient



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Products and Solutions available from Pryor



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