

PortaDot P50-25

Marking Window
50mm x 25mm

Weight
2.3kg

Versatile, lightweight handheld marking machine. Suitable for majority of applications.

Supplied with quick change face masks for marking on curved or flat surfaces. Also available with optional long-reach face mask and nosepiece.

Standard 4000 embedded controller provides full range of marking and control features. Optional battery powered version of the controller is available.



STANDARD FEATURES (MCYPD5025E)

- 4000 Embedded Controller
- Electromagnetic solenoid driven Dot Peen marking /
- 90° stylus, 50mm long, 4mm diameter, carbide tip
- Supplied with 2 quickly interchangeable facemasks – for flat and curved parts
Marking gap set by sliding masks forward/back
- Top mount handle to ensure marker can be held down firmly while marking

APPLICATIONS

- Immobile, large/heavy components
- High variety of components
- Asset labelling
- Security marking
- Construction applications

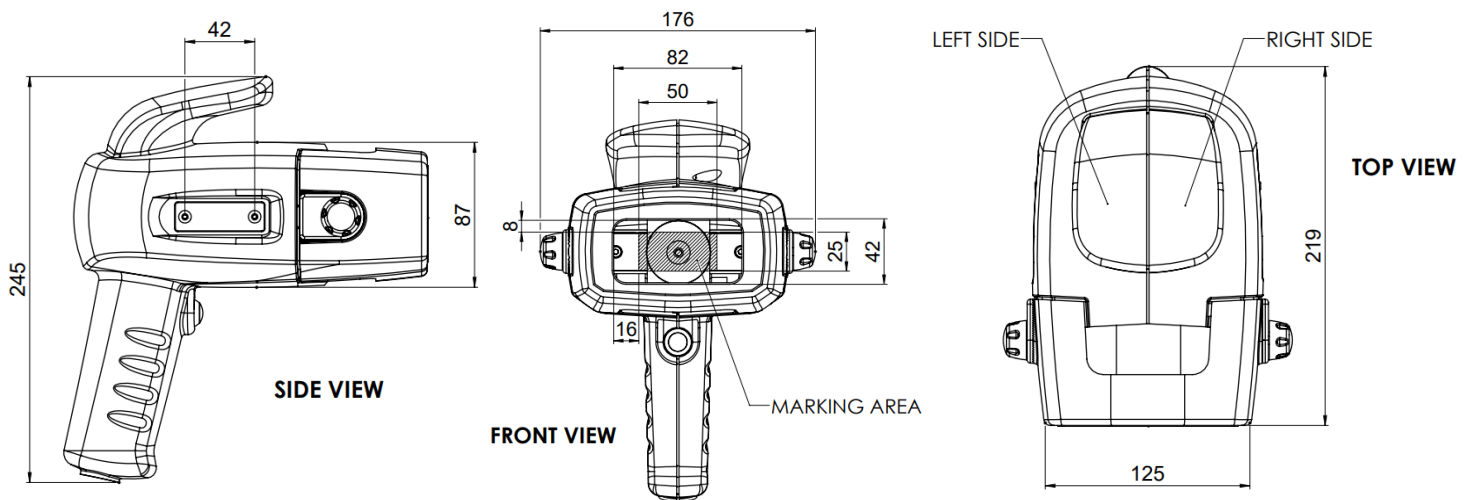
OPTIONAL VERSIONS

Benefits / Requirements

Option code

Battery powered controller	4000 controller with battery power, charger, spare battery and external mains supply	OPTPD5025B
PC based software control	Drag and drop editor, user admin rights, connectivity. PC required.	OPTM2019A
Longer head cables	Marking at 6m or 10m from controller. Reduced maximum marking force	OPTCB06A OPTCB10A
Alternate nosepiece/stylus	Various - wider/shallower tip angle, IAQG spec, longer reach	-

TECHNICAL DATA		● Standard ○ Optional	Product / Option Code
Marking area	50mm x 25mm		● MCYPD5025
Weight	Head & Cable = 2.3kg; With controller = 7.3kg		● MCYPD5025E
Dimensions	W: 176mm H: 245mm D: 219mm		● MCYPD5025
Nosepiece & stylus	Electric Solenoid - 50mm long, 4mm diameter, 90° carbide tip stylus Various alternatives available		● ○ -
Controller/supply requirements	Controller 4000 4000 Battery Controller	Supply requirements 230V 50Hz / 110V 60Hz 36V, 3.0Ah rechargeable Li-Ion battery	● ○ MCYPD5025E MCYPD5025B
Head cable length	3m 6m 10m	Hard wired into marking head, option at point of purchase. D-sub connector to controller. Note that marking power reduces with cable length.	● ○ ○ - OPTCB06A OPTCB10A
Construction	Aluminium internals, tough plastic case		● -
Operating temperature	0°C - 80°C (32°F – 176°F)		● -
Workpiece hardness	Max. 62 HRC (800HV)		● -
Marking type	5x7, 7x9, Varidot, HPGL, BMP Logos, True Type Fonts, Data Matrix		● -
Character sizes	0.21mm – 24.99mm in 0.21mm increments		● -



All measurements in millimetres unless otherwise stated

COMPATIBLE ACCESSORIES	Description	Product Code
Extended Facemask	Facemask with 2 supports for accessing difficult locations / marking uneven surfaces. Supplied as kit with extended nosepiece and stylus	ACCPD5025EM
Trolley	Head stand and pull out drawer for controller. Comes with cover.	ACCPD5025TR
Base and Column	For fixing P50-25 marker in place for benchtop marking	ACCPD5025BC
Balancer	For suspending	ACCPD5025BL
Barcode Reader	RS232/USB barcode scanner; select programme or input marking data	VISBR001
Custom Facemasks	Custom designed facemasks for marking specific components	-
Protective Boot	Protective boot to prevent ingress of dirt around stylus/solenoid	ACCPD5025PB

PortaDot P130-30

Marking Window
130mm x 30mm

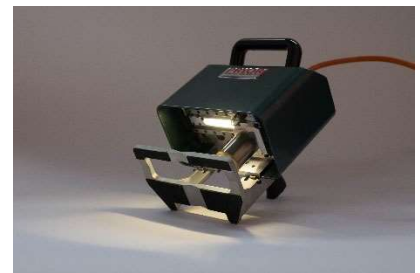
Weight
4.5kg

An industry leading hand-held Dot Peen marking machine. X and Y linear rails provide high precision, deep marking in a hand-held unit

Using the 4000 series embedded controller, it benefits from all advanced marking features available

Highest marking area to weight ratio within the range

Optional Deep Pneumatic version has highest marking depth to weight ratio of any Dot Peen marking machine on the market.



STANDARD FEATURES (MCYPD1330E)

- 4000 Embedded Controller
- Electromagnetic solenoid driven Dot Peen marking
- 90° stylus, 50mm long, 4mm diameter, carbide tip
- Supplied with V-notched face mask suitable for marking on flat surfaces and curved surfaces upwards of 20mm diameter
- 3m detachable head cable connecting marking head to 4000 series controller
- Integrated LED light to illuminate marking area, with movement sensing switch
- Two handles ensure dot marker can be held down firmly throughout marks

APPLICATIONS

- Immobile, large/heavy components
- Rail
- Oil and gas, pipeline
- Casting / forging
- Chassis and engine VIN marking
- Construction applications

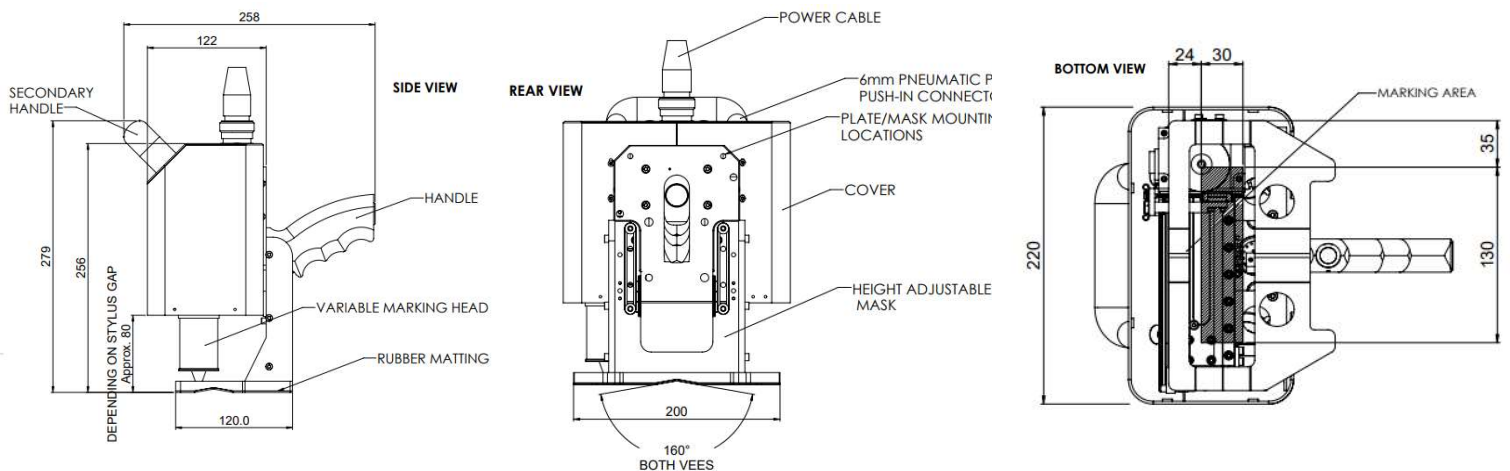
OPTIONAL VERSIONS

Benefits / Requirements

Option code

Battery powered controller	Controller is portable, does not require mains power	OPTPD1330B
PC based software control	Drag and drop editor, user admin rights, connectivity	OPTM2019A
Longer head cables	Marking at 6m or 10m from controller. Reduced max. marking force	OPTCB06B/10B
Electromagnetic Clamping	Reduced possibility of movement during marking	OPTPD1330EC
Alternate nosepiece/stylus	Wider / shallower tip angle, IAQG spec, longer	-
Integrated camera	Verification of mark quality; requires PC and Software Automatic alignment of mark against existing features	OPTVISRS/VS

TECHNICAL DATA		<ul style="list-style-type: none"> ● Standard ○ Optional 	Product / Option Code
Marking area	130mm x 30mm	●	MCYPD1330
Weight	Head & Cable = 4.5kg; With controller = 9.5kg	●	MCYPD1330E
Dimensions	W: 200mm H: 279mm D: 258mm	●	MCYPD1330
Nosepiece & stylus	Electric solenoid - 50mm long, 4mm diameter, 90° carbide tip stylus Various alternatives available	<ul style="list-style-type: none"> ● ○ 	-
Controller/supply requirements	Controller 4000 4000-BA Supply requirements 230V 50Hz / 110V 60Hz 36V, 3.0Ah rechargeable Li-Ion battery	<ul style="list-style-type: none"> ● ○ 	MCYPD1330E OPTPD1330B
Head cable length	3m 6m 10m Connectors to both marking head and controller. All cables fully interchangeable at any time. Note that marking power reduces with cable length.	<ul style="list-style-type: none"> ● ○ ○ 	- OPTCB06B OPTCB10B
Construction	Aluminium internals and cover	●	-
Operating temperature	0°C - 80°C (32°F - 176°F)	●	-
Workpiece hardness	Max. 62 HRC (800HV)	●	-
Marking type	5x7, 7x9, Varidot, HPGL, BMP Logos, True Type Fonts, Data Matrix	●	-
Character sizes	0.09mm - 129.96mm in 0.09mm increments	●	-
Component diameters	230mm max diameter	●	-



All measurements in millimetres unless otherwise stated

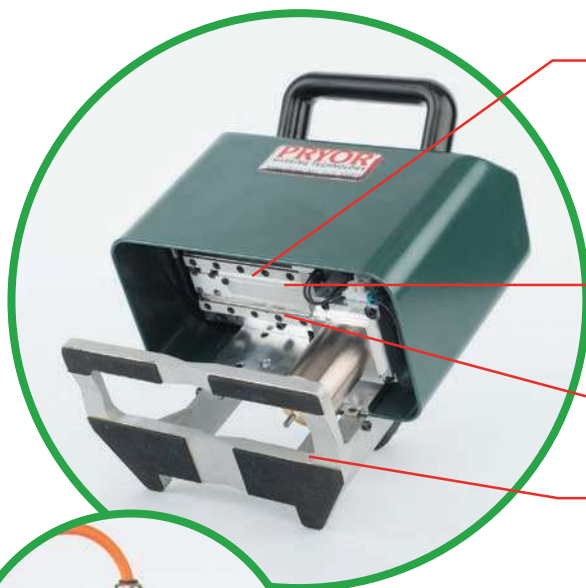
COMPATIBLE ACCESSORIES	Description	Product Code
Trolley	For holding and moving controller and marking head	ACCPD1330TR
Base and Column	For fixing P130-30 marker in place for benchtop marking	ACCPD1330BC
Barcode Reader	RS232 barcode scanner to select programme or input marking data	VISBR001
Custom facemasks	Custom designed facemasks for marking specific components	-
Protective boot	Protective boot to prevent ingress of dirt around stylus/solenoid	ACCPD1330PB

PortaDot 130-30

Portable Dot Peen Marking Series

• **Robust**

• **Reliable**



2 still motors:

- No motor cable fatigue failures
- Higher acceleration, speed and accuracy

Superior torque motors provide extreme acceleration and speed

Flat X/Y movement with no pivoting axis provides consistent marking depth throughout marking area

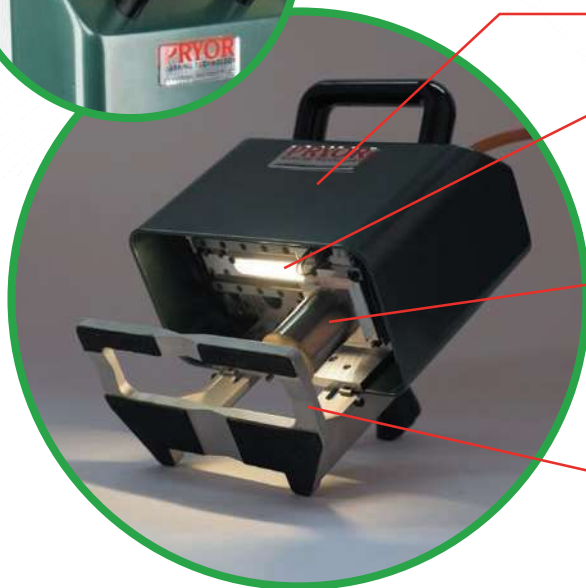
Re-circulating ball linear guideways to provide the highest marking accuracy

Large marking area: 130x30mm



Head cable industrial steel connector

Easily disconnect marking head when needed
Robotic head/controller cable



Robust aluminium casing: rugged design

Inbuilt illumination system automatically actuated with motion sensor

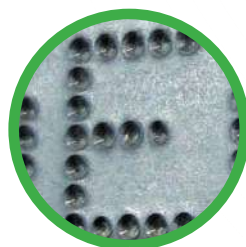
High power Electromagnetic (E version) solenoid, allowing deep marking with excellent consistency

Also available in Fast Pneumatic (FP) or High Amplitude (HA) pneumatic versions

High rigidity of front mask

Plain & thick structure

Machined V shaped on both axis to fit on tubes
Sliding mechanism with positioning scale



About Dot Peen Marking:

Series of dots are indented into materials to form alphanumeric characters, logos or 2D Data Matrix codes. Permanently mark almost all engineering materials up to 62 HRc.

The PortaDot 130-30 is available in 3 technologies:

- "Electromagnetic": Programmable, deep and consistent marking - no air supply required
- "Fast Pneumatic": Faster or continuous line style marking thanks to high frequency stylus
- "High Amplitude Pneumatic": accommodate uneven surfaces (up to 12mm)

Robust
Portable
Highly Flexible
Easy to Use
Quiet, Fast, Efficient Marking
Wide Range of Options

PRYOR
MARKING TECHNOLOGY

Marktronic™ PHD2 Portadot™ 100-75



Portable Dot Marking System

Portable, fully programmable dot marking machines for use in all environments where bringing the marking device to the work piece is a prerequisite. Uncompromising build quality ensures the Marktronic™ PHD2 Portadot™ 100-75 portable marking system is tough enough for the harshest of industrial environments.

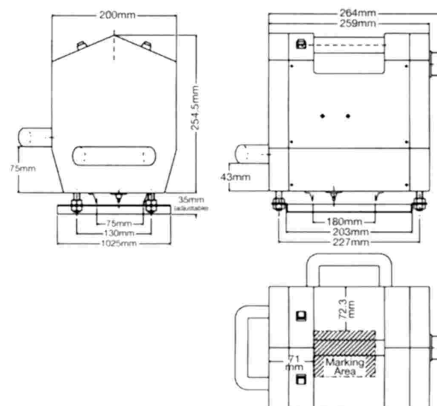
Applications Include:

- Steel Stock marking • Chassis marking • Cast and forge marking • Programmable marking
- Component identification • Component traceability • Serial numbering
- Time and date marking • Batch and shift coding • Part numbering

intelligent marking solutions

technical specifications

Marking Area:	100mm x 75mm
Std. Character Sizes:	0.18mm - 99.9mm in increments of 0.18mm
Marking Formed:	5 x 7, 7 x 9 or Varidot
Marking Speed:	Depends on application
Memory Capacity:	LCD: 1350 layouts
Windows:	Dependant on hard disk capacity
Weight:	Marking head/cable: 12kg Controller: 10kg
Electrical Supply:	240v 50hz, 110v 60hz
Dimensions:	Marking head: 264mm x 200mm x 254 mm Controller: 375mm x 335mm x 132 mm



Technology

The PHD2 Portadot™ (heavy duty) is a fully programmable dot marking machine easily moved from one application to another around any industrial/commercial site. The well established dot marking technology is reliable in either its electric or pneumatic variants.

Portable

The robust aluminium marking head protected in a metal case allows the PHD2 Portadot™ to be used in the harshest of industrial environments reducing the need to transport heavy items requiring marking to the marking machine.

Highly Flexible

The 100mm by 75mm marking area suits most marking applications from a single programmable system. Variable force control to ensure optimum mark depth for all engineering materials up to 62 Rc (800 Hv). The lead-screw driven marking head guarantees dot precision unmatched on other similar portable systems.

Easy to use out of the box

The sturdy design has been created with ease of use in mind. High functionality software ensures operator

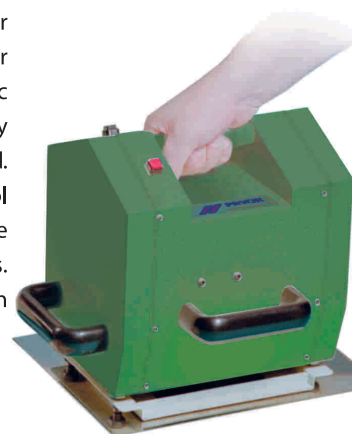
training is minimised and production efficiency is maximised. The multilingual user interface allows users to choose between different character fonts and type sizes as well as angular and arc marking, serial numbers, date and time marking.

Quiet, Fast, Efficient Marking

Requiring no compressed air supply and powered only by a standard 240 volt (110 volt available) electric source the PHD2 Portadot™ is both highly efficient, and is significantly quieter than pneumatically actuated systems.

Wide Range of Options

Standard hardware options include Vee plates for marking round components, base and column for bench mounted applications. The standard electric actuation system can be upgraded to a heavy duty option or pneumatic marking if deep marking is required. The Windows Software option allows users to control the system through a familiar PC windows interface enhancing networking and data storage capabilities. Extended Warranty packages available. Custom design fixturing is available upon request.



PRYOR Marking Technology

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Pryor Marking Technology Group Companies

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Mecagrav Industrie S.A. - France web: www.mecagrav.com

Marks Pryor Marking Technology PVT. Ltd - India web: www.markspryor.com

Monode Pryor Traceability LLC - USA web: www.monodepryortraceability.com

Pryor provide a single source of supply for marking products, services and support. Manufacturers of a complete portfolio of marking goods, Pryor's success is built on providing solutions for all types of marking applications ranging from those requiring only a simple hand operated punch through to fully integrated computer controlled turnkey marking systems. Supported by a network of distributors worldwide, Pryor offer a total commitment to quality and service.

The difference is Pryor knowledge

www.pryormarking.com

4000 Series Controller



New Design



Key Advantages over 3000 controller

- » Improved layout preview and editing
 - » Integrated e-stop
 - » USB memory stick interface
 - » SQL server integration
 - » Improved I/O management
 - » On-screen help
-
- » Integrator version fully adapted for modern production lines
 - » Custom versions easily available

Touchscreen Interface

- » Industrial grade, resistive touchscreen
 - » Large 10.4" screen
 - » Usable with gloves
 - » Integrated help animation
 - » Click and drag layout edit
 - » Impact resistant screen
 - » On-screen preview
- » USB keyboard option
- » ABS casing
- » I/O indication screen



Options

- » Server option
 - » Integrates to SQL server
 - » Fully integrates to Traceable-IT data logging, duplicate checking, data reporting
- » Battery powered, portable option
 - » 36V, 3.0Ah lithium ion battery

