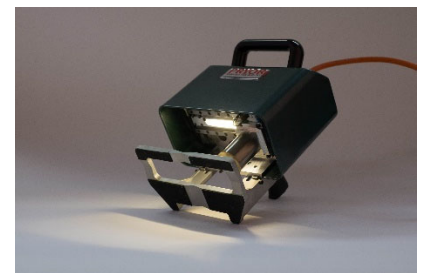# PortaDot P130-30

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
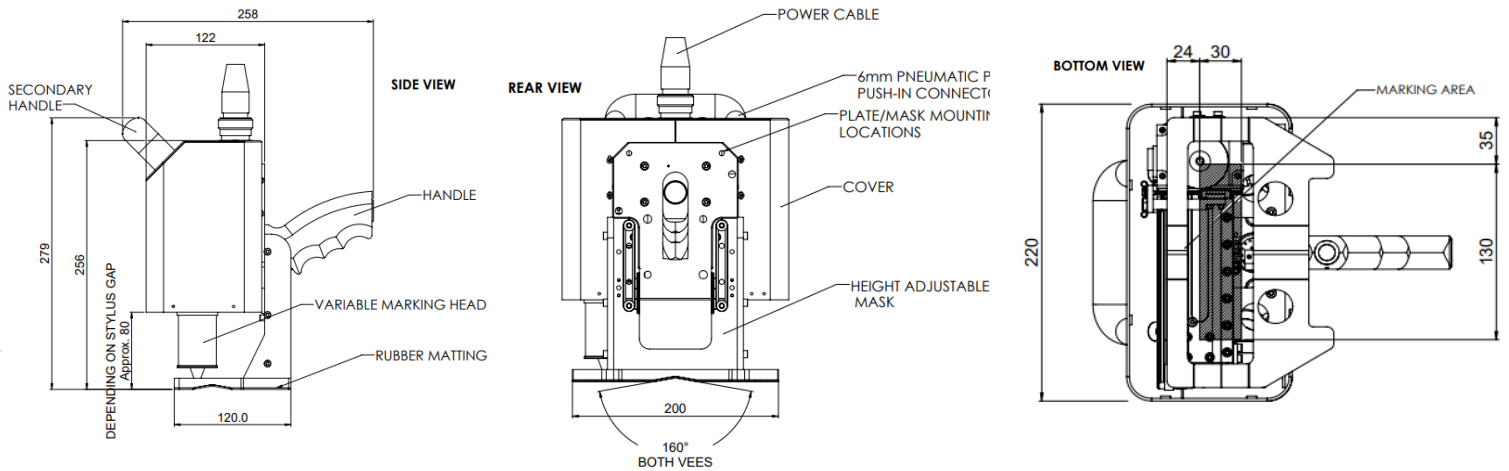- Chassis and engine VIN marking
- Construction applications

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		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	● ○	-
Controller/supply requirements	**Controller** 4000 / 4000-BA **Supply requirements** 230V 50Hz / 110V 60Hz 36V, 3.0Ah rechargeable Li-Ion battery	● ○	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.	● ○ ○	- 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