Monode™
MARKING PRODUCTS, INC.

CNC Marking Tool

» Compact Dot Peen Marking Head for use inside a CNC machining centre

» Fits inside larger tool changers

» WiFi connection to marking software

» Long battery life and auto-power off

» Available with variety of standard tool interfaces

The Range

CNC 50-25
WiFi
Battery powered

MarkMaster Software
Production Software

CNC 50-25

Marking Window
50mm x 25mm

Weight
6kg

Revolutionary and unique product allowing fully programmable Dot Peen marking within a CNC machine.

Battery powered and WiFi controlled the tool can be mounted in various tool holders and programmed directly from external PC or CNC controller.

Allows serialisation of marks, Data Matrix marking and many other advanced marking features.
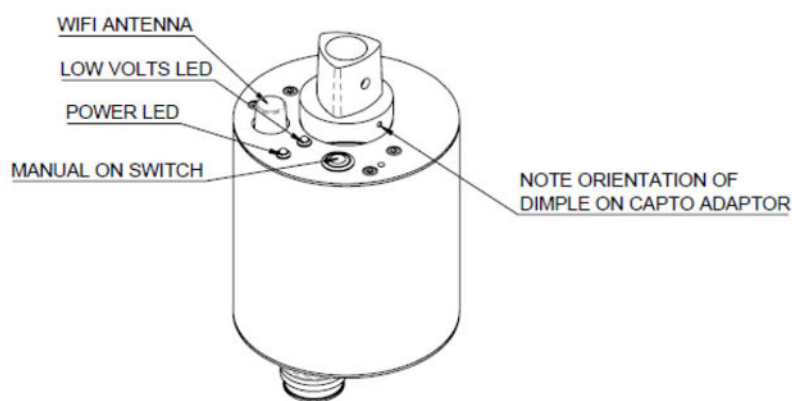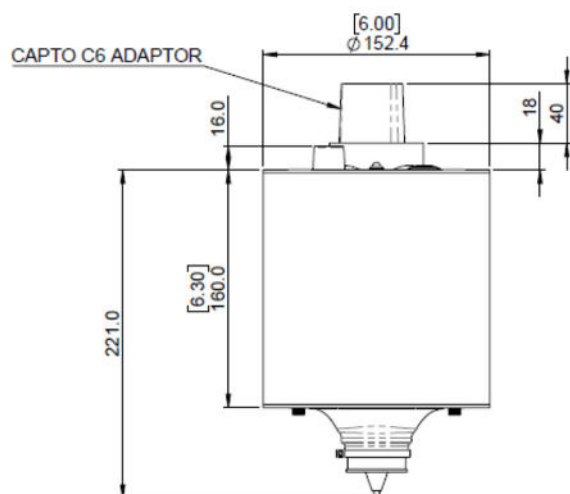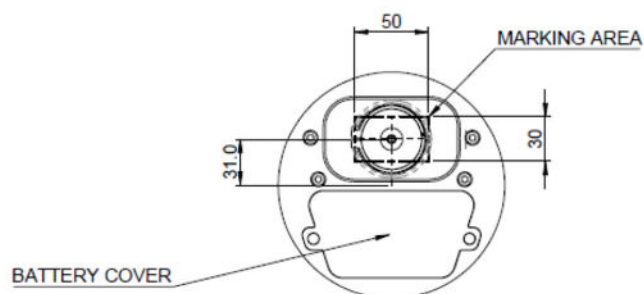

STANDARD FEATURES (MCYCNC01)

- WiFi connection to PC for programming with MarkMaster software
- Electromagnetic solenoid driven Dot Peen marking
- 50mm x 25mm marking window
- 90° stylus, 50mm long, 4mm diameter, carbide tip
- Auto power off to conserve battery life. Wake-up triggered by magnet placed in convenient location in machining cell.
- Spare battery and charger

APPLICATIONS

- In process marking to prevent loss of traceability
- Aerospace components
- Automotive components
- Precision engineered components

TECHNICAL DATA			● Standard ○ Optional	Product / Option Code
Marking area	50mm x 25mm		●	MCYCN01
Weight	6kg		●	-
Dimensions	D: 152mm H: 237mm		●	-
Nosepiece & stylus	Electric solenoid - 50mm long, 4mm diameter, 90° carbide tip stylus Various alternatives available		● ○	-
Controller/supply Requirements	**Controller** USB-PC CNC machine	**Supply requirements** 230V 50Hz / 110V 60Hz 36V, 2.0Ah Li-Ion removable battery	● ●	-
Construction	Aluminium internals and cover		●	-
Operating temperature	0^0C - 80^0C (32^0F – 176^0F)		●	-
IP rating	IP53. Rubber boot and sealed housing.		●	-
Battery life	Over 3 hours continuous marking, 20 hours on stand-by. Auto power off and Li-ion battery ensures no power loss during non-use.		●	-
Workpiece hardness	Max. 62 HRC (800HV)		●	-
Marking type	5x7, 7x9, Varidot, HPGL, BMP Logos, True Type Fonts, Data Matrix		●	-
Character sizes	0.15mm - 99.9mm in increments of 0.15mm		●	-

COMPATIBLE ACCESSORIES	Description	Product Code
Spare battery	For optional battery version of 4000 controller	OPTCNCBA
Barcode Reader	Barcode scan to select correct programme or input marking data	VISION01
Custom Facemask	Custom designed facemasks for marking specific components	-

OPTIONAL VERSIONS	Benefits / Requirements	Option code
Alternate tool interfaces	Base unit has an adaptor spindle. Adaptor must be used to connect to machine tool interface – e.g. Capto, HSK, Cat	-
Alternate nosepiece/stylus	Wider / shallower tip angle, IAQG spec, longer	

Monode
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When identification is critical for traceability or product impact, a quality mark is required. Monode combines creative engineering with a full range of marking solutions to meet your needs. Over a half-century of progress as a trusted "parts marking problem solver" ...that's Monode!

Quality Marking Equipment with
Integrated Machine Vision Solutions