

Type A Marking & Verification

Marking Window
150mm x 150mm
300mm x 150mm

The Pryor Type A dot markers are flexible all-in-one workstations that use the top of the range BenchDot marking heads. Automatic Z-axis control comes as standard and the VeriSmart 2.0 camera is an optional extra.

Adding the VeriSmart to the system ensures 100% quality check of marks made, to ensure conformity with marking standards and maximum durability of mark legibility.

The standard bench configuration gives a working area next to the marking location and adequate storage for fixtures and tools.



STANDARD FEATURES (MCYTA1515E)

- Electromagnetic solenoid driven Dot Peen marking
- 90° stylus, 100mm long, 4mm diameter, carbide tip
- Automated Z-axis control and autosense of part
- Flat machined base for fixture/part loading
- Large workspace for marking preparation
- PC pre-installed with Pryor's marking and traceability software
- Keyboard and mouse tray
- Lockable storage cabinet

APPLICATIONS

- Aerospace, including specific marking and verification standards, e.g. JES131, MIL-STD-130, ISO16022
- Automotive, Rail, Oil & Gas
- High precision marking
- Safety critical components
- Machine readable marking with 100% verification check
- Larger, flat components

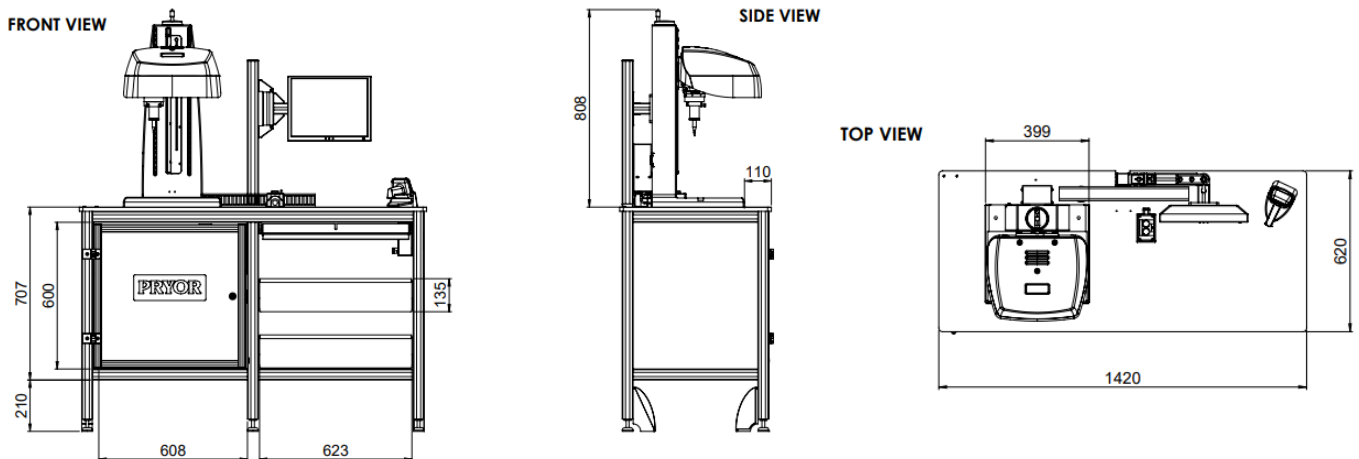
OPTIONAL VERSIONS

Benefits / Requirements

Option code

300 x 150mm marking area	Larger marking head for increased markable area.	MCYTA3015E
Column extension - 110mm	Increasing column height, and maximum component height by 110mm	OPTBDCE110
Column extension - 200mm	Increasing column height, and maximum component height by 200mm	OPTBDCE200
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/V5 OPTVISMS

TECHNICAL DATA		● Standard ○ Optional	Product / Option Code
Marking area	150mm x 150mm; 375mm max component height 300mm x 150mm; 365mm max component height	● ○	MCYTA1515U MCYTA3015U
Weight	>140kg depending on size and options	●	-
Dimensions	W: 1400mm, H: 1707mm, D: 620mm	●	MCYTA1515E
Nosepiece & stylus	Electric solenoid - 100mm long, 4mm diameter, 90° stylus tip, carbide Various alternatives available	● ○	-
Controller/supply requirements	Controller USB-PC		
	Supply requirements 230V 50Hz / 110V 60Hz	●	-
Construction	Cast aluminium column and base, metal internals and plastic cover Extruded aluminium table	●	-
Operating temperature	0°C - 80°C (32°F - 176°F)	●	-
Workpiece hardness	Max. 62 HRC (800HV)	●	-
Marking type	5 x 7, 7 x 9, Varidot, Angled, Arc, logos, Data Matrix, Serial numbers, Reverse marking, Variables, etc.	●	-
Character sizes	0.15mm - 300mm in 0.15mm increments, depending on marking head	●	-



All measurements in millimetres unless otherwise stated

COMPATIBLE ACCESSORIES	Description	Product Code
T-slotted base - extruded	For attaching fixtures to the base; extruded aluminium 45mm pitch	ACCBDBT01
T-slotted base - machined	Solid, machined base with 2 slots, 158.7mm pitch	ACCBDBT02
Single label fixture	For right angled labels/parts 35-100mm x 20-75mm x 0.5-2.0mm	ACCBDFX
Magnetic clamp	For flat parts. Area 184mm x 100mm. Holding force 80N/cm ²	ACCBDMC
Magnetic V shaped clamp	Cylindrical parts diameters 5-70mm, includes machine base adaptor	ACCBDMV
Circumferential axis - Standard	Marking round circumference, part diameter up to 76mm with homing sensor	ACCBDA01
Circumferential axis - Medium thru bore	Marking round circumference, 26mm thru bore. Max weight 25kg depending on inertia of mass. Out-riggers may be required	ACCBDA02
Circumferential axis - Large, thru bore	Marking round circumference, 54mm thru bore. Max weight 25kg depending on inertia of mass. Out-riggers may be required	ACCBDA03
Electric label feed	For flat, burr free labels 25-110mm x 25-75mm x 0.8-3.0mm thick	ACCBDEL