

4000 Series Embedded Controller

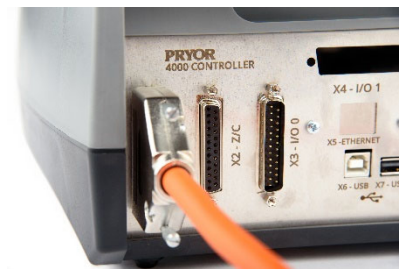
10.4" touchscreen
USB back-up and saving
Live preview of marking layout
Up to 2 I/O cards

4000 Series Controller drives all Pryor Dot Peen and Scribe marking machines. Industrial grade 10.4" resistive touch screen – usable with gloves. Familiar menu structure from Pryor 3000 Series controllers.

USB port for back-up / restore of layouts, settings, logos.

Up to 4-axis marking machine control. Up to 2 I/O cards with 16 inputs and 12 outputs.

Optional 36V 3.0Ah battery version for portable use.



STANDARD FEATURES

- Resistive, 10.4" touchscreen – usable with gloves
- Two axis control (X-Y marking directions), with robust high-power motor drivers
- USB type A, USB type B and RS232 ports, for connecting to optional USB drive, barcode scanner, USB keyboard and PC
- Firmware updates via USB drive
- Integrated help animations to demonstrate common functions
- 110V or 230V mains power supply
- Password security for all menu items
- Data logging to .csv file on USB stick or internal memory
- Duplicate check of last 100 marks within 1 of 5 different logs of marks
- Live view of layout during jogging / drag and drop repositioning of layout
- Built in emergency stop

APPLICATIONS

- Control of all Dot Peen and Scribe marking machines - bench-mount, portable and integration models
- Connection of marking machines to PC for use of windows-based software control
- Bench-top marking machines
- Portable marking machines

OPTIONAL VERSIONS

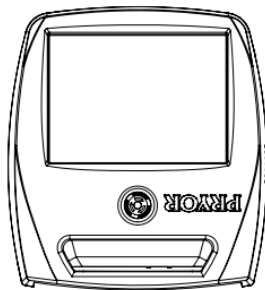
Benefits / Requirements

Option code

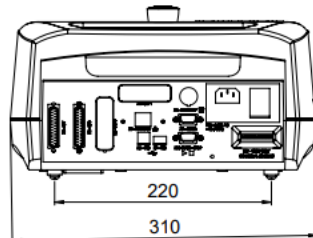
4-axis control (Z-C)	Required for powered vertical Z axis and/or circumferential fixtures	OPTCTAX
24V I/O board	Providing 8 inputs and 6 outputs	OPTCTIN01
2x 24V I/O boards	Providing total of 16 inputs and 12 outputs	OPTCTIN02
TCP/IP Ethernet module	Port for Ethernet connection to PC / network	OPTCTIP
Anybus module	Port for Profibus, Profinet, ModBus, DeviceNet, EtherCAT communication	OPTCTAB
Battery powered version	36V 3.0Ah li-ion battery. Supplied with battery charger.	OPTCTBA
External e-stop	No built-in e-stop, additional rear connector and e-stop on flying lead	OPTCTES

TECHNICAL DATA		● Standard ○ Optional	Product / Option Code
Dimensions	W: 310mm, H: 175mm, D: 339mm	●	-
Weight	5kg – both standard and battery versions	●	-
Connections	x-y axis control, USB-A, USB-B, RS232, Start/Stop box, External e-stop z-c axis control TCP/IP Ethernet Anybus	● ○ ○ ○	- OPTCTAX OPTCTIP OPTCTAB
Operating temperature	0°C - 80°C (32°F - 176°F)	●	-
Supply requirements	230V 50Hz / 110v 60Hz 36V 3.0Ah li-ion battery, or external power supply	● ○	- OPTCTBA
Screen	10.4" resistive touchscreen – can be used with gloves / stylus pen	●	-
Marking type	5 x 7, 7 x 9, Varidot, Angled, Arc, logos, Data Matrix, Serial numbers, Reverse marking, Variables, etc.	●	-
Languages	English, German, French, Italian, Spanish, Portuguese, Swedish, Finnish, Russian, Polish, Czech, Dutch, Chinese	●	-

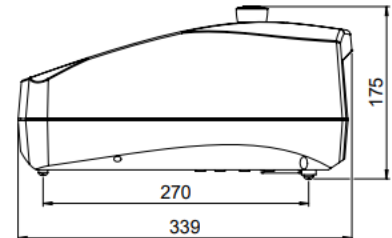
TOP VIEW



REAR VIEW



SIDE VIEW



COMPATIBLE ACCESSORIES	Description	Product Code
USB keyboard	For use of controller without touchscreen	ACCCTKB
Start-Stop box	Green and Red button start and stop of marking programme	ACCCTSS
Spare battery	For optional battery version of 4000 controller	ACCCTBA
Barcode Reader	USB barcode scanner to select programme or input marking data	VISBRUSB
Data Matrix Reader	USB Data Matrix scanner to select programme or input data	VISCRUSB

STANDARD CONTROLLER CONFIGURATION / OPTIONAL EXTRA												
Machine	z-axis / circ.	Digital I/O 8in 6out	2 Digital I/O 16in 12out	3 Digital I/O 24in 18out	4 Digital I/O 32in 24out	Ethernet TCP/IP	Fieldbus	Built-in e-stop	External e-stop	Mains power	Battery pack	External mains power
PortaDot	0	0	0	x	x	0	0	✓	0	x	0	0
MarkMate	✓	0	0	x	x	x	x	✓	0	✓	x	x
BenchDot	✓	0	0	x	x	0	0	✓	0	✓	x	x
InDot	✓	0	0	x	x	0	0	✓	0	✓	x	x
Panel Mount	✓	✓	✓	0	0	0	0	x	✓	✓	x	x