



Tomorrow's marking technology...today!

B2 Black Box

The I-Mark Black Box controller provides **motion control to any dot-peen or scribe system**. It features, all the functionality of the I-Mark controller including the selection of communications options and the advanced networking capabilities. All the I-Mark functions and advanced communications technology can be applied to other marking systems.



- NEMA 4 industrial enclosure 16" W x 12" H x 8" D (406 x 305 x 203 mm)
- (4) Mounting holes.
- Sixteen (16) 24vdc optically isolated digital I/O fully programmable with software for controlling external hardware devices to help save costs in automated applications. (8 inputs and 8 outputs)
- Binary select feature for selecting & executing up to 32 programs via the I/O
- Ethernet 10/100 BaseT communications for programming

and integration into system network (can be used with static IP setup or in DHCP mode on a network)



- Machine protocols include: serial, I/O, Modbus, and Ethernet IP.
- I-Mark networkable motor drives for stepper or servo motor control with 10a peak motor output per axis. (Up to 4-axis per controller)
- Digital current and servo loops with encoder for controlling servo motors
- Closed or open loop stepper motor control with micro stepping capability.
- Industrial Harting connectors for marking head
- Manual reset / E-stop featured as remote options in the I/O interface

