1. Features of the Blue SHARK™

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1.1 Accessories Checklist

- HPC Cutter Wheel (installed) (CW-14MC)
- HPC Cutter Wheel (CW-1011)
- HPC Cutter Wheel (CW-20FM)
- HPC Cutter Wheel (CW-47MC)
- HPC Cutter Wheel (CW-90MC)
- HPC Cutter Wheel (CW-1012)
- Decoder Plate
- Stylus
- Bolt Down Brackets (set of 4)
- Blue SHARK™ Manual
- Calibrate/Restore CD*
- AC Power Cord
- Safety Shield
- Light
- Calibration Key

*only needed to restore key machine software
1.2 Parts Designation

- Safety Shield
- Stylus
- Stylus Holder
- Top Jaw
- Tip Gauge
- Tip Gauge Handle
- Shaft-Lock Button
- Cutter
- Deburring Brush
- Deburring Slot
- Chute
- Emergency Stop Button
- Platform
- Shoulder Gauge
- Shoulder Gauge Handle
- Bottom Jaw
- Quick Nut
- Switch
- Light
- Stylus Holder
- Stylus
- Touchscreen
- Wing Nut
- Top Jaw
- Tip Gauge
- Tip Gauge Handle
- Shaft-Lock Button
- Cutter
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- Shoulder Gauge Handle
- Bottom Jaw
- Quick Nut
- Switch
- Light
1.3 Preparing To Use The Blue SHARK™ Computerized Key Machine

Before using the Blue SHARK™ key machine, read this manual in order to gain a thorough understanding of all of its capabilities. You will receive peak performance and efficiency from your machine by fully comprehending all of its functions.

Make sure that the power outlet that the Blue SHARK™ will attach to is properly wired, i.e., grounded with correct hot and neutral leads. If the outlet is not wired properly or power from the available outlet is not regular (i.e., you experience frequent power brownouts), it may cause the Blue SHARK™ to malfunction. While the Blue SHARK™ contains an internal surge protector, it is recommended that you use a surge/brownout protector when operating the Blue SHARK™.

**Power Requirements:** 120 V AC, 60 hz, 4 amps OR 240 V AC, 50hz, 4 amps

The Blue SHARK™ is supplied with Bolt Down Brackets. If you prefer to bolt down the machine to your work bench or counter, simply insert the brackets into the slots in the bottom of the machine, then use your own bolts (suitable for the type and thickness of your work bench) to secure the machine to the bench.

1.4 The Emergency Stop Button

The Blue SHARK™ is equipped with an emergency stop button. Pushing the emergency stop button at any time will immediately stop the operation in which the machine is engaged, and instantly turn off all motors.
To reset the Blue SHARK™ after the machine stops, turn the emergency button clockwise, approximately one eighth of a turn, until it “pops” out. The machine will return to its Home Position. Make any necessary adjustments, and start the key cutting process again.

1.5 Safety Shield

The Blue SHARK™ is supplied with a plastic safety shield. It is highly recommended to keep the shield in place to guard against injury from the cutter wheel and from the brass chips created during key cutting.

1.6 Touch Screen

The Blue SHARK™ is equipped with a state of the art touch-sensitive display screen.

Use the stylus provided in much the same way as you would use a mouse to navigate and select objects on your PC. You can also use your fingertip. However, it is recommended to use the stylus for the greatest accuracy and to keep the screen cleaner.
The machine is programmed to dim the screen after approximately 10 minutes of non-use. Simply tap or touch the screen to reactivate it. This auto-dimming feature cannot be modified.

To clean the screen use a commercial glass cleaner sprayed on a soft cloth. Do not spray the touch screen directly.

Avoid prolonged exposure to direct sun light. Excessive exposure to direct sun light can cause the screen to go dark. This is a normal occurrence with LCD screens, and is not permanent.

The screen has been calibrated during production of the machine. However, if you notice that the accuracy of your stylus taps have diminished (you do not get the results expected from a particular key), this indicates the screen requires re-calibration to align the image on the screen with the touch-sensitive coating. Please refer to the Tools section 5.6 for instructions.

1.7 Light

The Blue SHARK™ is equipped with a service light to add illumination to the jaw and cutter area. The light is a white LED affixed to a 6" (15cm) long flexible wire for easy adjustment. If you choose not to use the light, simply unplug it from the machine.

The light does not have an on/off switch. It will turn off when the machine is turned off, otherwise it must be unplugged to switch off.