

IRON BRUSH

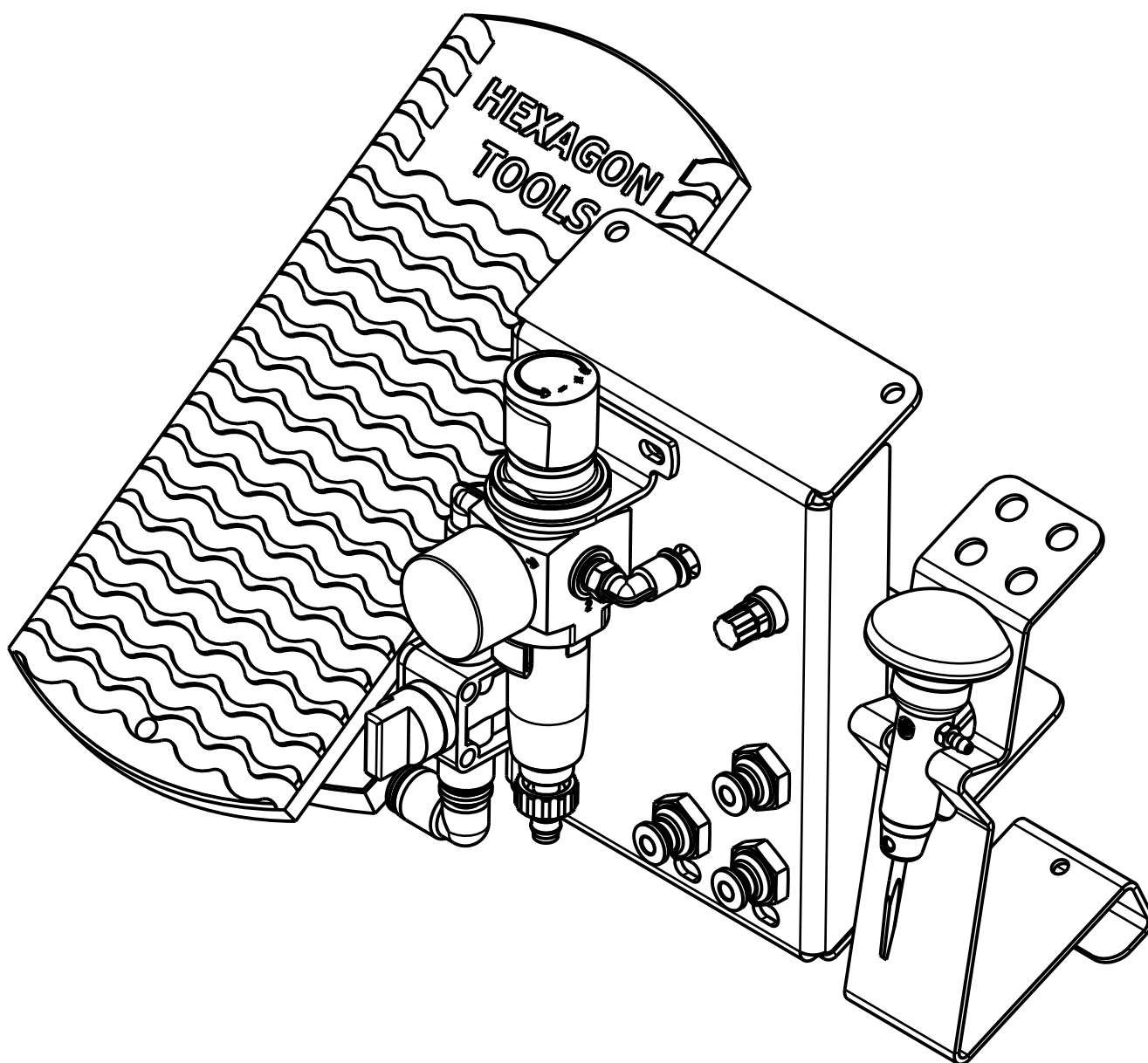
PNEUMATIC ENGRAVING SYSTEM

USER MANUAL



Iron Brush Pneumatic Engraving System: Precision Craftsmanship for Jewelry Artisans

The Iron Brush Pneumatic Engraving System is an exquisitely engineered solution tailored for the discerning jeweler, designed to elevate the art of engraving and stone setting to new heights of precision and efficiency. Crafted with meticulous attention to detail, this system is constructed entirely from premium-grade stainless steel and aerospace-quality aluminum, ensuring durability, corrosion resistance, and a refined aesthetic suitable for the most sophisticated jewelry studios.



IRON BRUSH

PNEUMATIC ENGRAVING SYSTEM

USER MANUAL

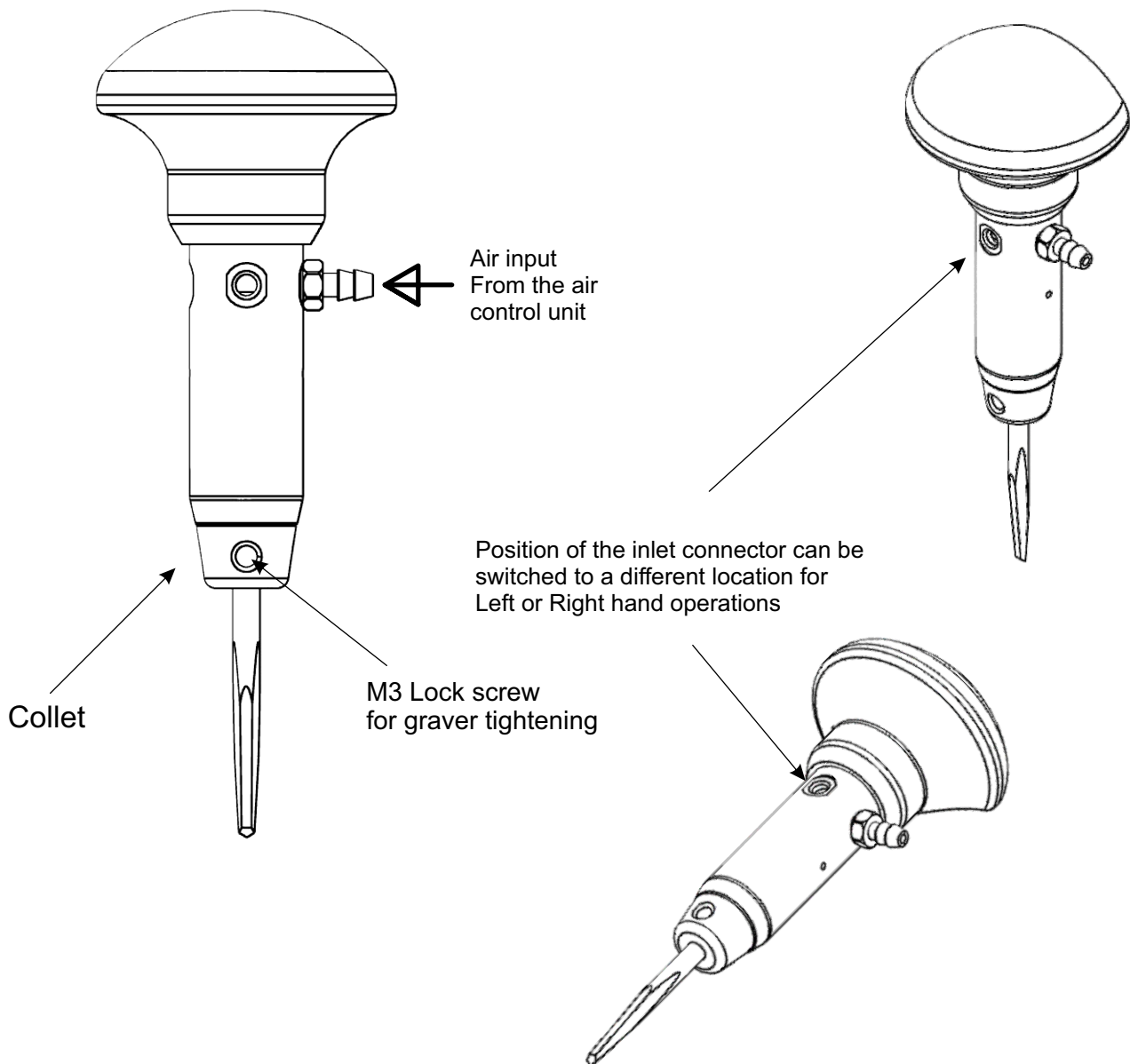


System Components:

The Iron Brush system is thoughtfully composed of three seamlessly integrated components, each optimized for ergonomic performance and operational excellence:

Hand Piece:

The heart of the system, the hand piece is designed for unparalleled control and versatility. It is accompanied by a dedicated stand for secure storage and accessibility. The system includes four precision-machined collets: two with a 3mm bore (one short, one long) for cylindrical tools, and two tailored for square gravers, available in distinct configurations to accommodate varied engraving techniques.



IRON BRUSH

PNEUMATIC ENGRAVING SYSTEM

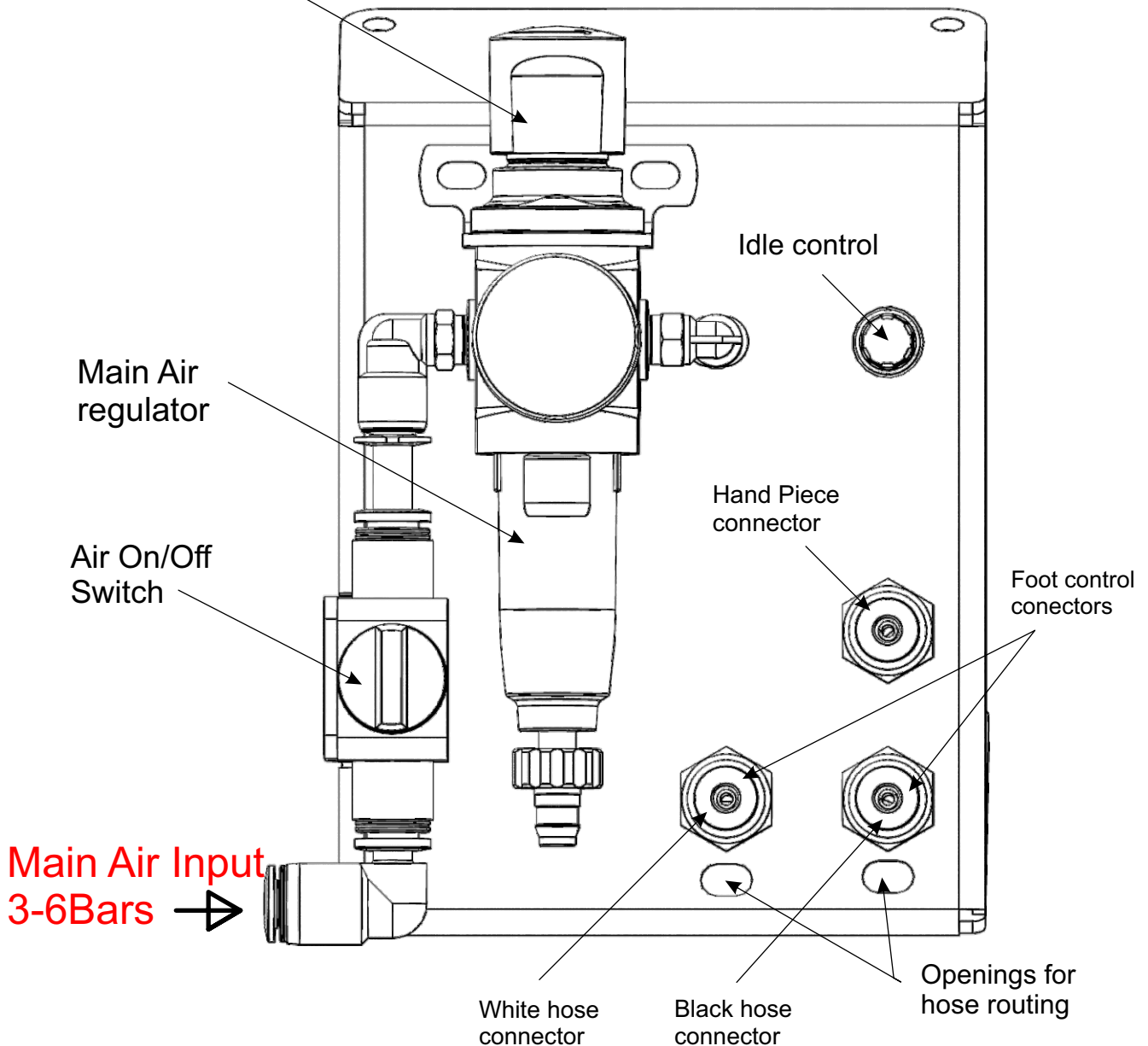
USER MANUAL



Air Control and Conditioning Unit:

This sophisticated unit serves as the system's command center, interfacing with an external air compressor or airline through a supplied 6mm pneumatic hose. The unit features an advanced air regulator, allowing artisans to fine-tune operational pressure within a range of 2–6 PSI. Higher pressures deliver robust, impactful strokes for deep engraving, while lower pressures facilitate delicate, nuanced work. A recommended starting pressure of 5 PSI ensures a balanced initiation for most applications.

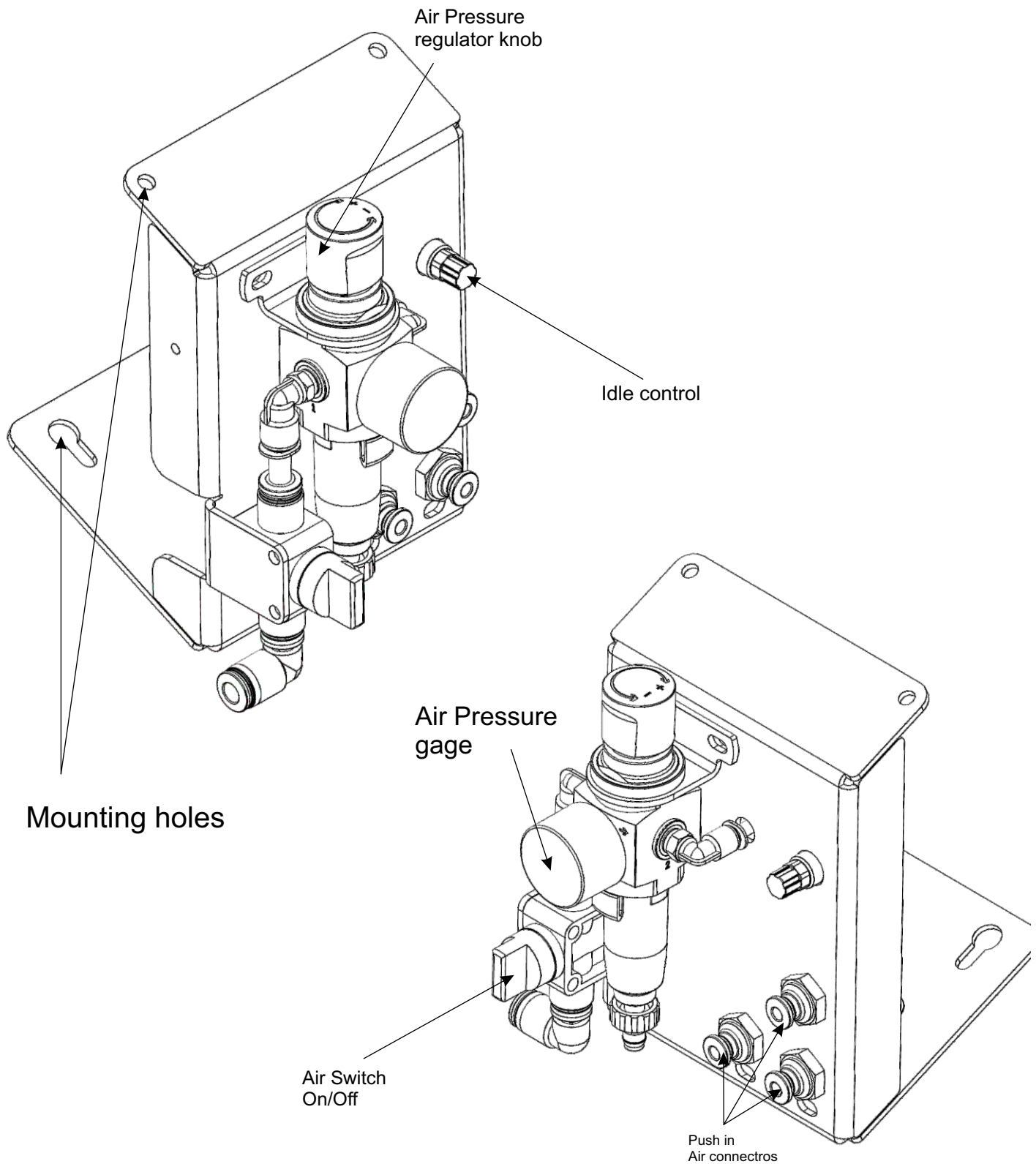
Air Pressure control knob
Push to Lock / Pull to Unlock



IRON BRUSH

PNEUMATIC ENGRAVING SYSTEM

USER MANUAL



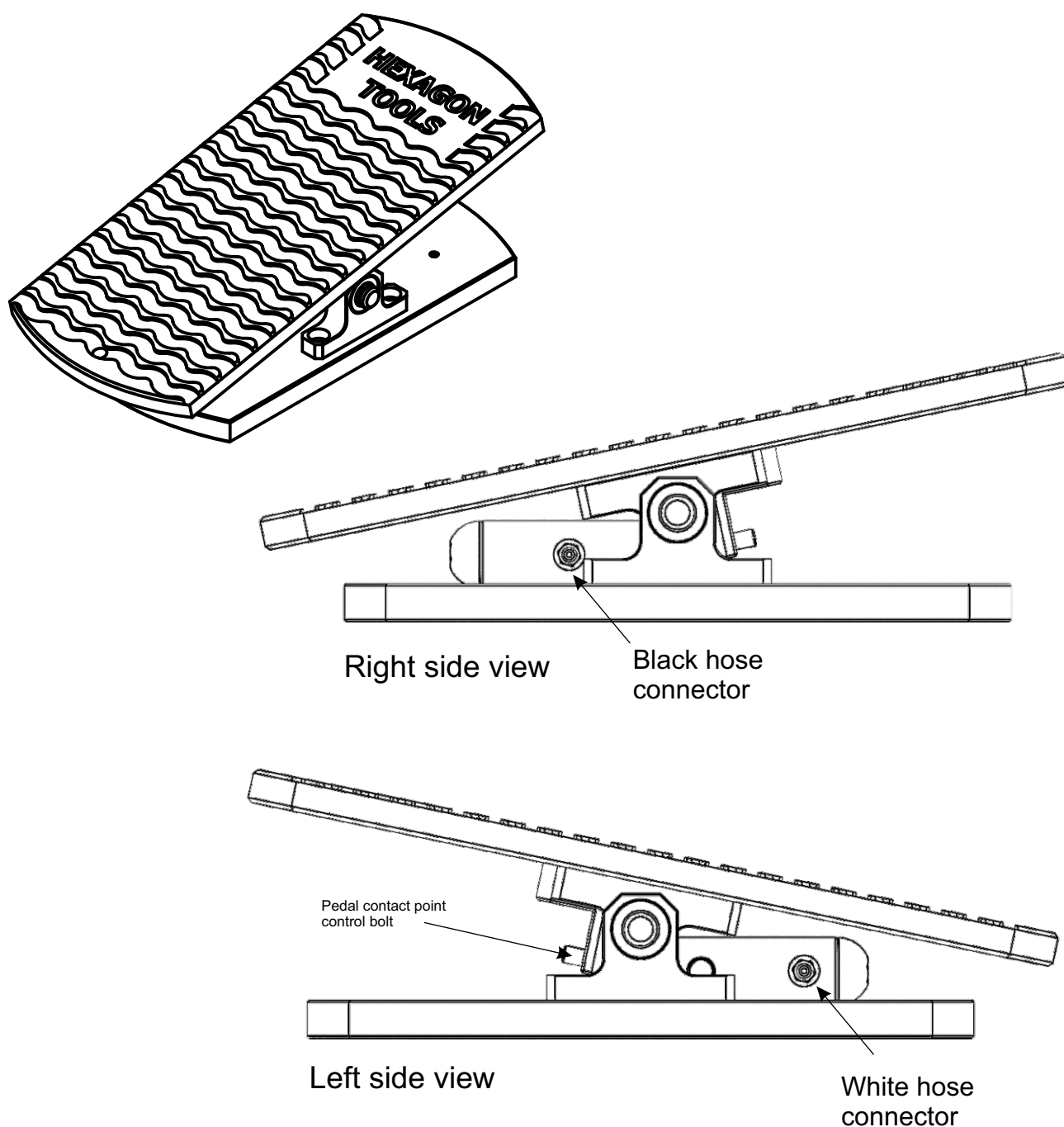
IRON BRUSH

PNEUMATIC ENGRAVING SYSTEM

USER MANUAL



Foot Control: Engineered for intuitive operation, the foot control pedal is connected to the air control unit via dual hoses—color-coded in black and white for effortless identification. These hoses are elegantly bound by a spiral hose retainer, ensuring a tidy and professional setup. Each hose connects to clearly labeled push connectors on both the air control unit and the foot control, with corresponding labels on the pedal's left and right sides ("black hose" and "white hose") to guarantee precise assembly.



IRON BRUSH

PNEUMATIC ENGRAVING SYSTEM

USER MANUAL



Accessories and Connectivity

The Iron Brush system is delivered complete with all necessary accessories to enable immediate use, minimizing setup time and maximizing productivity:

- A specialized silicone rubber hose for the hand piece, featuring a hard hose connected to the brass connector at one end for secure attachment to the air control unit and a precision-engineered fitting at the other for seamless integration with the hand piece.
- All air connections are clearly labeled and color-coded to ensure error-free assembly and operation.
- The included 6mm pneumatic hose facilitates straightforward connection to an air compressor or airline, with the only customer-supplied component being the interface between the hose and the air source.

Operational Efficiency

The Iron Brush Pneumatic Engraving System is designed for exceptional efficiency, with minimal air consumption that optimizes performance while reducing operational costs. For optimal functionality, the following compressor specifications are recommended:

Power: 750 W

Inlet Flow: 105 L/min Noise Level: 59 dB

Container Capacity: 6 L

Pressure: 8 Bar

These specifications ensure consistent performance, allowing artisans to focus on their craft without interruption.

The Iron Brush Pneumatic Engraving System represents the pinnacle of precision engineering for jewelry professionals. Its robust construction, intuitive design, and comprehensive accessory suite empower artisans to achieve unparalleled results in engraving and stone setting. Whether executing intricate designs or setting stones with meticulous accuracy, this system is an indispensable tool for the modern jeweler seeking to blend artistry with cutting-edge technology.

BE CREATIVE!