

Yanmis HS20-F5

Yanmis HS20-F5 Pneumatic Plastic Cutter

INSTRUCTION MANUAL

1. Introduction

Thank you for choosing the Yanmis HS20-F5 Pneumatic Plastic Cutter. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before use and retain it for future reference.

The Yanmis HS20-F5 is a high-quality pneumatic cutting tool designed for precision shearing of various materials, including plastic, copper wire, iron wire, and stainless steel wire. Its compact design and ergonomic features ensure comfortable and efficient use.

2. Safety Instructions

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- **Personal Protective Equipment (PPE):** Always wear safety glasses or goggles to protect against flying debris. Gloves are recommended for hand protection.
- **Air Supply:** Ensure the air compressor is properly maintained and delivers clean, dry air at the recommended pressure. Do not exceed the maximum operating pressure.
- **Secure Workpiece:** Always secure the material being cut to prevent movement during operation, which could lead to injury or an inaccurate cut.
- **Keep Hands Clear:** Never place hands or fingers near the cutting blades during operation.
- **Disconnect Air:** Always disconnect the air supply before performing any maintenance, blade changes, or when the tool is not in use.
- **Inspect Tool:** Before each use, inspect the tool for any damage, loose parts, or worn blades. Do not use a damaged tool.
- **Proper Ventilation:** Use the tool in a well-ventilated area.
- **Intended Use:** Use the tool only for its intended purpose of cutting specified materials. Do not attempt to cut materials beyond the tool's capacity.

3. Product Overview

The Yanmis HS20-F5 Pneumatic Plastic Cutter is designed for precision and durability. Key components and features are outlined below.



Image 3.1: Labeled diagram of the Yanmis HS20-F5 Pneumatic Plastic Cutter, showing the Air Inlet, Start Switch, Aviation Aluminum Body, Anti-slip Knurling, and Blade.

Key Features:

- **Sharp Alloy Steel Blade:** Finely ground for high sharpness, capable of shearing copper wire, iron wire, stainless steel wire, and various plastics.
- **High-Quality Construction:** Aviation aluminum body with a non-slip knurled design for easy grip, wear resistance, and impact resistance.
- **Energy-Saving Operation:** Utilizes compressed air as its power source for efficient and economical use.
- **Ergonomic Design:** Compact and lightweight, designed for comfortable, long-term use to reduce operator fatigue.



Image 3.2: Front view of the Yanmis HS20-F5 Pneumatic Plastic Cutter, highlighting its compact design and sharp blades.

4. Setup

Follow these steps to set up your pneumatic plastic cutter for first use:

1. **Unpacking:** Carefully remove the pneumatic cutter and any accessories from its packaging. Inspect for any shipping damage.
2. **Air Supply Connection:** Connect a suitable air hose to the air inlet port of the tool. Ensure the connection is secure and leak-free. A quick-connect fitting is typically used.
3. **Air Pressure Adjustment:** Connect the air hose to an air compressor. Adjust the air compressor's regulator to the recommended operating pressure (refer to specifications section). Do not exceed the maximum pressure.
4. **Lubrication:** Before initial use, and periodically thereafter, apply a few drops of pneumatic tool oil into the air inlet. This helps lubricate internal components and prolong tool life.
5. **Blade Installation (if separate):** If the blade is not pre-installed, carefully attach it according to the diagram. Ensure the blade is securely fastened with the provided screw.



Image 4.1: The pneumatic cutter body shown alongside a separate F5 blade, illustrating how the blade can be attached or replaced.

5. Operating Instructions

Operating the Yanmis HS20-F5 is straightforward, but proper technique ensures safety and optimal performance.

1. **Grip:** Hold the tool firmly with one hand, ensuring a secure grip on the anti-slip knurled body.
2. **Positioning:** Position the blades around the material to be cut. Ensure the material is fully within the cutting capacity of the blades.
3. **Activation:** Press the start switch (trigger) to activate the pneumatic cutting action. The blades will close rapidly to make the cut.
4. **Cutting Technique:** For best results, make a single, decisive cut. Avoid twisting or prying with the blades.
5. **Material Compatibility:** This tool is suitable for cutting soft plastic up to 7.0mm and hard plastic up to 5.0mm, as well as various metal wires. Do not attempt to cut materials harder or thicker than specified.



Image 5.1: A hand demonstrating the proper grip on the Yanmis HS20-F5 Pneumatic Plastic Cutter, showing its ergonomic design.



Image 5.2: Close-up of the pneumatic cutter blades shearing a blue plastic pipe, demonstrating its cutting capability.



Image 5.3: The pneumatic cutter in action, demonstrating its ability to precisely cut an electrical wire.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Yanmis HS20-F5 Pneumatic

Plastic Cutter.

- **Disconnect Air:** Always disconnect the air supply before performing any maintenance.
- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any debris or residue. Ensure the blades are free of obstructions.
- **Lubrication:** Periodically (e.g., daily or weekly depending on usage), add 2-3 drops of pneumatic tool oil into the air inlet. This lubricates the internal motor and prevents corrosion.
- **Blade Inspection and Replacement:** Regularly inspect the blades for sharpness, chips, or damage. Dull or damaged blades can reduce cutting efficiency and potentially damage the tool. Replace blades as needed using genuine Yanmis replacement parts.
- **Air Filter:** Ensure your air compressor's air filter is clean and functioning correctly to prevent moisture and contaminants from entering the tool.
- **Storage:** Store the tool in a clean, dry environment away from direct sunlight and extreme temperatures. Disconnect it from the air supply when not in use.

7. Troubleshooting

If you encounter issues with your pneumatic plastic cutter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not operate or has low power.	Low air pressure; air supply disconnected; clogged air inlet; lack of lubrication.	Check air compressor pressure; ensure air hose is connected; clean air inlet; apply pneumatic tool oil.
Blades are not cutting cleanly or are jamming.	Dull or damaged blades; attempting to cut oversized material; debris in blades.	Replace blades; ensure material is within capacity; clean blades thoroughly.
Air leakage from the tool.	Loose air fitting; worn O-rings or seals.	Tighten air fittings; contact customer support for seal replacement.
Excessive vibration or noise.	Loose components; internal wear; lack of lubrication.	Inspect for loose parts; apply pneumatic tool oil; if problem persists, seek professional service.

8. Specifications

Detailed specifications for the Yanmis HS20-F5 Pneumatic Plastic Cutter:

Feature	Specification
Model	HS20-F5
Brand	Yanmis
Blade Material	Alloy Steel
Body Material	Aviation Aluminum
Color	Orange

Feature	Specification
Item Weight	558.25 Grams (1.23 pounds)
Product Dimensions	9.06 x 2.76 x 3.15 inches (230 x 70 x 80 mm approx.)
Soft Plastic Cutting Capacity	7.0mm
Hard Plastic Cutting Capacity	5.0mm
Applicable Air Pipe	8*5mm
UPC	719855721090



Image 8.1: Diagram showing the dimensions of the Yanmis HS20-F5 and a table detailing its cutting capacities for soft and hard plastic, along with the applicable air pipe size.

9. Warranty and Support

Yanmis products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to your purchase documentation for specific warranty terms and duration.

For technical support, replacement parts, or warranty claims, please contact your retailer or the Yanmis customer service department. Keep your purchase receipt as proof of purchase.

Contact information for Yanmis customer service can typically be found on the product packaging or the official Yanmis website.