

ESAB 0200-0222

Victor Technologies VCM-200E Portable Cutting Machine Instruction Manual

Model: 0200-0222

INTRODUCTION

The Victor Technologies VCM-200E is a versatile, precision tractor-type portable cutting machine designed for various cutting and welding operations. This export model is engineered for reliable performance and ease of use, capable of straight-line cutting on its dedicated track and circle cutting with an optional radius rod assembly. This manual provides essential information for the safe and effective setup, operation, and maintenance of your VCM-200E machine.

SAFETY INFORMATION

Always prioritize safety when operating cutting equipment. Read and understand all safety warnings and instructions before use. This product may expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov. Ensure proper ventilation, wear appropriate personal protective equipment (PPE), and follow all local safety regulations.

PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- VCM-200E Portable Cutting Machine
- MT 210A Torch and Torch Rack
- Hoses and fittings (for 2-hose operation)
- 32 Pitch Pinion Torch Holder
- 3-Hose Manifold Block
- 220V AC to 110V AC Step-Down Transformer (for export model)
- Operating Track (if included with specific package)

SETUP

Follow these steps for initial machine setup:

1. Machine Placement and Track Assembly

Place the VCM-200E machine on a stable, level surface. If using for straight-line cutting, ensure the track is securely positioned and aligned for the desired cut path. The machine's wheels are designed to run smoothly on the track.

2. Torch and Rack Assembly

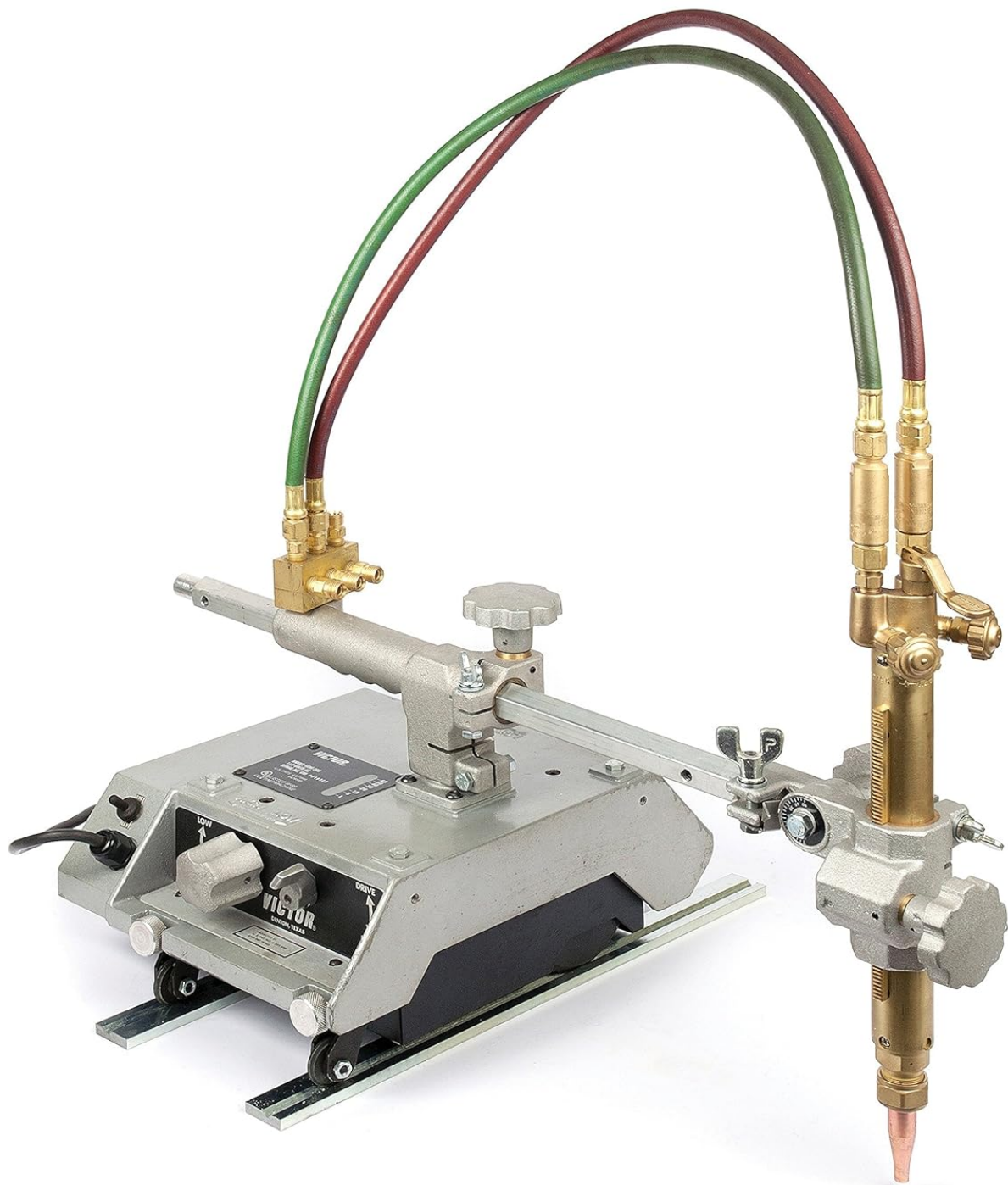
Attach the MT 210A torch to the torch rack. The torch holder is designed for torches with a 1.38 inch (35.1 mm) barrel diameter. Secure the torch firmly using the provided fasteners. The counter-balanced design allows for torch racking distance up to 18 inches (457.2 mm) from the machine.

3. Hose Connections

Connect the appropriate hoses to the 3-hose manifold block and then to the MT 210A torch. Ensure all connections are tight and leak-free. The system is configured for 2-hose operation.

4. Power Connection

For the export model, connect the machine to the provided 220V AC to 110V AC step-down transformer, and then connect the transformer to a suitable power outlet. Ensure the power supply meets the machine's requirements.



An image showing the Victor Technologies VCM-200E portable cutting machine. The machine base is grey, with control knobs visible. A silver arm extends from the base, holding a brass-colored cutting torch assembly. Red and green hoses connect the torch to a manifold on the machine. The machine is positioned on a metal track.

OPERATING INSTRUCTIONS

Operating the VCM-200E involves precise control of speed and torch positioning.

1. Speed Control

The machine features dual drive controls and a direct speed readout. Adjust the speed using the control knob. The constant speed AC induction motor, located opposite the torch for cooler operation, maintains a consistent speed over a wide range of temperatures. The speed range is 1 to 60 inches (25.4 mm to 152.4 cm) per minute.

2. Straight Line Cutting

For straight-line cuts, ensure the machine is properly seated on its track. Adjust the torch position and angle as required for the material thickness and desired cut. Activate the drive and monitor the speed readout.

3. Circle Cutting

To perform circle cuts, attach a radius rod assembly (sold separately) to the VCM-200E. The machine can cut circles with diameters ranging from 4 inches (101.6 mm) to 96 inches (243.8 cm). Follow the instructions provided with the radius rod assembly for proper setup and operation.

4. Torch Holder Adjustment

The torch holder can be adjusted using large thumb screws for hand-tight adjustments, allowing for precise positioning of the torch relative to the workpiece.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your VCM-200E machine.

- Keep the machine and track clean from dust, debris, and metal particles.
- Inspect hoses and connections regularly for wear, damage, or leaks. Replace as necessary.
- Check the condition of the torch tip and replace it when worn to maintain cut quality.
- Ensure all moving parts, especially the drive mechanism, are free from obstruction.
- Store the machine in a dry, clean environment when not in use.

TROUBLESHOOTING

If you encounter issues with your VCM-200E, consider the following:

- **Machine not moving:** Check power connection, transformer operation, and ensure the drive control is engaged.
- **Inconsistent speed:** Verify the track is clean and free of obstructions. Inspect the cone disc drive for any issues.
- **Poor cut quality:** Check the torch tip for wear, ensure proper gas pressures, and verify torch alignment and speed settings.
- **Gas leaks:** Tighten all hose connections. If leaks persist, replace damaged hoses or fittings.

For persistent problems, contact ESAB customer support or a qualified service technician.

SPECIFICATIONS




Feature	Value
Model Number	0200-0222
Speed Range	1-60 inches (25.4 mm - 152.4 cm) per minute
Circle Diameter Range	4 inches (101.6 mm) to 96 inches (243.8 cm)
Machine Width (machine only)	11 inches (279.4 mm)
Machine Width (machine and torch holder)	28.5 inches (723.9 mm)




Feature	Value
Machine Height (top of torch holder)	11.5 inches (292.1 mm)
Machine Height (top of machine)	5.5 inches (139.7 mm)
Torch Holder Barrel Diameter	1.38 inches (35.1 mm)
Package Dimensions	31.5 x 11.7 x 10.9 inches
Package Weight	47 Pounds
Manufacturer	Victor (ESAB)
ASIN	B002AHQC9O

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please contact ESAB, the manufacturer of Victor Technologies products. Refer to the official ESAB website or your purchase documentation for specific warranty terms and contact details.

Related Documents - 0200-0222

	<p>Aiwa ASP-0222 Portable Wireless Speaker: User Manual and Features</p> <p>Comprehensive instruction manual for the Aiwa ASP-0222 portable wireless speaker. Learn about pairing, charging, functions, technical specifications, and safety guidelines for this Bluetooth 5.3 device.</p>
	<p>HANSA Shower Systems Installation and Maintenance Guide</p> <p>Comprehensive installation and maintenance guide for HANSA shower systems, detailing technical specifications, parts diagrams, operational modes, and cleaning instructions for models including HANSAMICRA ECO and HANSABASICJET Style.</p>
	<p>Mitsubishi Electric Electric Heat Kit Parts Manual</p> <p>Comprehensive parts manual for Mitsubishi Electric Electric Heat Kits, detailing components, diagrams, and compatibility with various air handler models. Includes part numbers and specifications for models like EH03-MPA-M, EH05-SVZ-S, EH10-MPA-L, and more.</p>

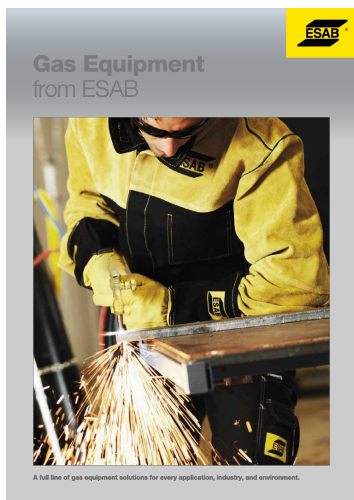
 <p>OMCAN Refrigerated Showcases Models RS-CN-0120-B, 0200-B, 0120-S, 0200-S Items 50077, 50078, 50079, 50080 Instruction Manual Revised: 04/2020</p>	<p><u>OMCAN Refrigerated Showcases Instruction Manual</u></p> <p>Comprehensive instruction manual for Omcan Refrigerated Showcases, models RS-CN-0120-B, RS-CN-0200-B, RS-CN-0120-S, and RS-CN-0200-S (Items 50077, 50078, 50079, 50080). Covers general information, safety, warranty, technical specifications, installation, operation, maintenance, troubleshooting, parts breakdown, and warranty registration.</p>
 <p>STREAMLINE INSTRUCTION MANUAL BP-0200-1000 1000 Booster Pump</p>	<p><u>STREAMLINE BP-0200-1000 Booster Pump Instruction Manual</u></p> <p>Official instruction manual for the STREAMLINE BP-0200-1000 Booster Pump, covering warranty, features, setup, warnings, and available models. Learn how to install and operate your STREAMLINE RO booster pump.</p>
 <p>INSTALLATION, OPERATING AND MAINTENANCE eCOMFORT R32 35-210 kW LENNOX</p>	<p><u>Lennox eCOMFORT R32 Air Cooled Liquid Chiller - Heat Pump Installation, Operation, and Maintenance Manual</u></p> <p>Comprehensive guide for the installation, operation, and maintenance of the Lennox eCOMFORT R32 series of air-cooled liquid chillers and heat pumps. Covers general characteristics, installation procedures, commissioning, operation, maintenance, troubleshooting, and safety recommendations.</p>



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Plasma Cutting Equipment Part No ... ff track and with a radius rod assembly, the
VCM 200 can also be used for circle cutting. Part No. **0200-0222** 0200-0226 Model
No. VCM 200E VCM 200HSE Speed Range/Minute 1-60 25.4 mm-152.4 cm 5-12...
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127mm-304.8mm Voltage 240V 110V Part Number **0200-0222** 0200-0269 Machine
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