

# **ULTRA-GRAPH**

## **Dependable Single-Torch Pattern Cutter**

Since its introduction nearly 40 years ago, the Ultra-Graph has become the industry standard for single-torch contour cutting. Fabricating shops throughout the world have found that the Ultra-Graph's practical, dependable design lets them cut highly complex shapes inexpensively and accurately.

The Ultra-Graph provides a 60" cutting radius and can be either floor-standing or table-mounted.

A magnetic rotor follows contours of the metal template. It in turn guides the cutting arm and torch with exceptional precision.

Plus, the Ultra-Graph's tracing system lets you perform most operations in a fraction of the time required with other methods.

### **Choose a variety of cutting processes and speeds.**

Cutting and tracing speeds range from 4 to 150" (102 - 3810mm/m) per minute, depending on the size of the rotor. Rotors are available from 1/8" to 7/8" (3.18 to 22.2mm) in 1/16" (1.6mm) increments.

The Ultra-Graph's heavy-duty direct drive motor lets you control speeds precisely. You can use the Ultra-Graph for plasma-arc cutting or Plasma, MIG, and TIG welding.

### **Choose the control that best fits your needs.**

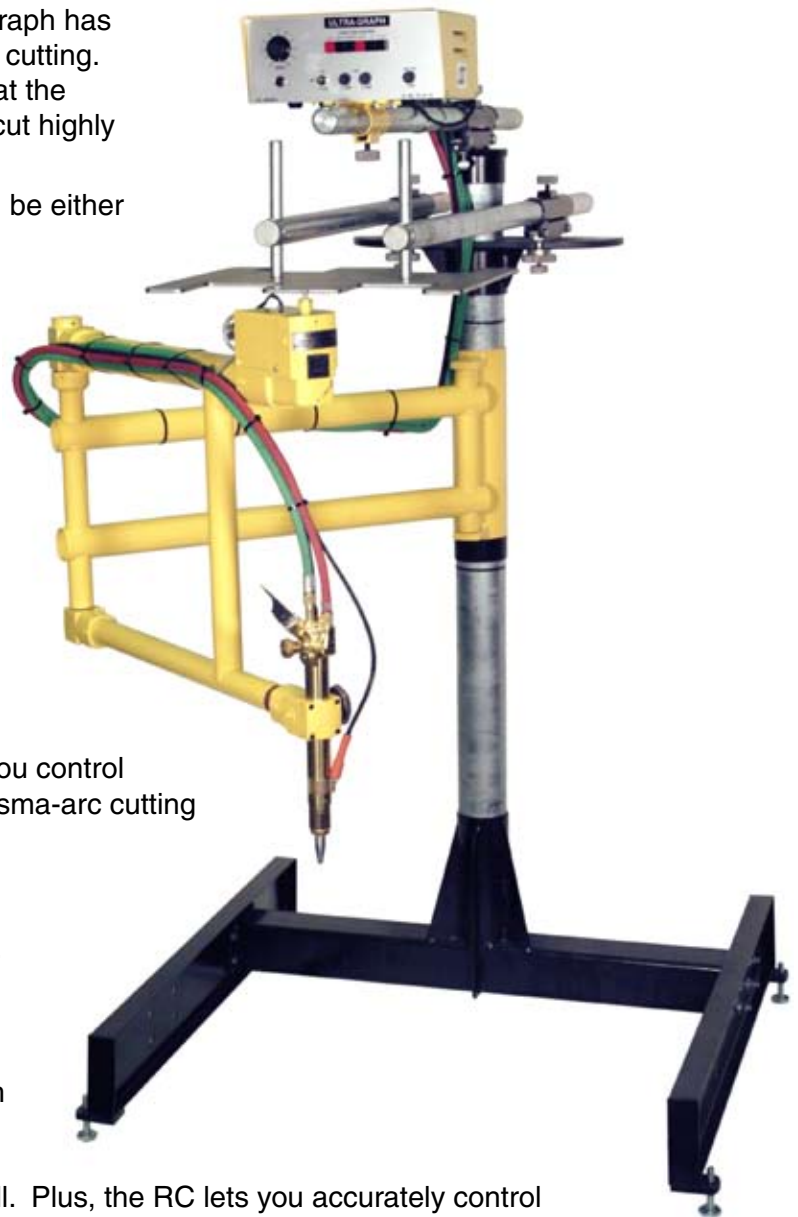
Easy-to-use controls are available for the Ultra-Graph.

#### **RC-Series Control**

Total cutting control is at your fingertips with the exclusive RC Series. For example, you can extinguish and reignite the torch, right from the control, with no adjustments. Positive-action buttons operate in sequence to handle a variety of other functions as well. Plus, the RC lets you accurately control a wide range of speeds.

#### **DC-Series Control**

The DC Series offers accurate control of wide speed ranges. Solid state, full-wave rectification generates the direct current required for the drive motor.



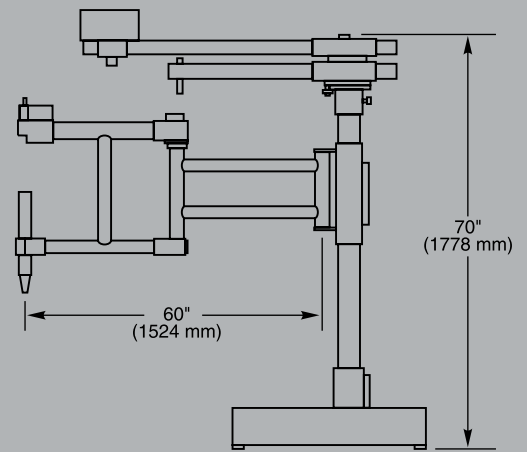
## Standard Features

- + **Simple, accurate, magnetic tracing system lets you reproduce quickly and precisely, at speeds from 4 to 150" (102 - 3810mm/m) per minute.**
- + **Variable-speed direct drive motor performs smoothly and dependably. Cut shapes accurately and economically with a single-torch system that's become the industry standard.**
- + **Put all machine functions at your fingertips with the RC or DC Series Ultra-Graph controls.**

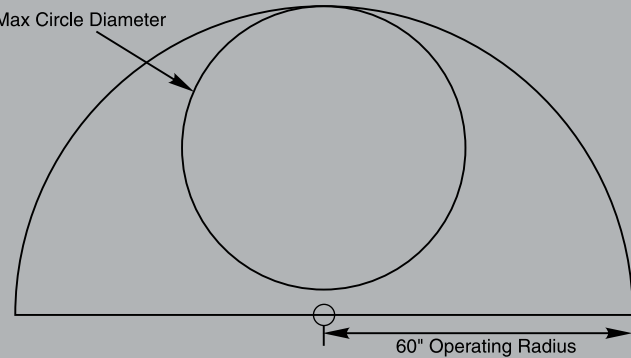


## Specifications

Operating Radius	60" (1524 mm)
Circle-max. diam.	55" (1397 mm)
Straight line-max	110" (2794 mm)
Weight-RC floor	264 lb. (119.7 kg)
Weight-RC table	192 lb. (87.1 kg)
Weight-DC floor	248 lb. (112.5 kg)
Weight-DC table	176 lb. (79.8 kg)
Power Supply Requirements	115 VAC 50/60Hz Single Phase



55" Max Circle Diameter



The information contained herein is general and shall not be construed to warrant suitability of the equipment for any specific installation or application. All designs, specifications and components of the equipment described are subject to change at ESAB's sole discretion at any time without notice.

## Plasma Cutting Option

The Ultra-Graph may be equipped with a plasma cutting torch by ordering the following accessories: Plasma Cutting Torch, Plasma Power Supply, Plasma Torch Consumables and Remote Control Switch.

1. **PT-21AMX Plasma Cutting Torch**, 0558003616 (25 ft.), 0558003614 (50 ft.)

The PT-21AMX Torch includes a gear rack mounted to the side of the torch for manual vertical adjustments.

### 2. Plasma Power Supply

Choose one of the following:

- Powercut 1250 70 Amp Power Supply, 208/230/460 VAC, 50/60 Hz, 1/3 phase (0558004189)
- Powercut 1250 70 Amp Power Supply, 400 VAC, CE, 50 Hz, 3 phase (0558004190)
- Powercut 1500 90 Amp Power Supply, 208/230/460 VAC, 50/60 Hz, 1/3 phase (0558004195)
- Powercut 1500 90 Amp Power Supply, 400 VAC, CE, 50 Hz, 3 phase (0558004196)

### 3. Plasma Torch Consumables

Choose the spare parts kit necessary to support the plasma amperage available from the selected Plasma Power Supply:

- 50 Amp (21370)
- 70 Amp (21369)
- 90 Amp (0558004271)

### 4. Remote Control Switch (0558003612)

Allows manual control of plasma ON/OFF.



**Welding & Cutting  
Products**



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