

Manual Plasma Cutting Inverters

**CUT MASTER® 35 mm**

**3** YEAR\*  
**TRUE 35MM**  
**3** PHASE  
**415** V  
**100 A** OUTPUT

**Cutting Capacity**

<b>Genuine (True) Cut</b>	35mm
<b>Maximum Cut</b>	40mm
<b>Severance Cut</b>	45mm
<b>Pierce Rating</b>	20mm

NOTE: Cutting capacity data based on mild steel. Please refer to table below for specific terminology details.

**Specifications**

**Supply Voltage**

415 volt, 3 phase, 50/60Hz

**Minimum Recommended Generator**

15kVA

**Maximum Output Current**

100 amps

**Output Power**

12KW

**Duty Cycle (@40°C)**

100 amps @ 80%

**Warranty**

Power source - 3 years; Torch - 1 year\*

**Power Source Weight**

28.1kg

**Dimensions (Power Source)**

385 H x 315 W x 775 L mm



Plant part no. 1-1730-4

**Plant contents**

Cutmaster True 35mm power source;  
SL100 6.1m hand cutting torch work lead (fitted),  
consumables starter kit; operation manual

**Optional accessories**

The new Cutmaster True 35mm manual plasma is a high duty cycle, inverter based system specifically designed for heavy duty applications requiring superior cutting performance. The unit is specifically designed to serve the 35mm market with a high duty cycle of 80% in a 40°C ambient environment. Operating from a 415V three phase supply, the design incorporates features such as auto-pilot re-start, True Guard roll bar and the heavy duty SL100 1Torch® for superior performance. The unit can also be used for heavy duty gouging applications when fitted with the correct torch consumables.

These features combined with a three year limited warranty make this the ideal unit for and heavy duty fabrication, construction and mining applications.

**Cutting Capacity Terminology**

<b>Genuine (True) Cut</b>	Cutting speed of 250 mm/min with an excellent smooth cut surface and little or no dross with no need for grinding or rework
<b>Maximum Cut</b>	Cutting speed of 150-200 mm/min with clean smooth cut surface and minor dross
<b>Severance Cut</b>	Cutting speed of less than 100 mm/min with rippled cut surface and significant dross