

ECONOCUT



Main components

- A good choice for flame and plasma cutting, it is specially designed for metal plate cutting process.
- Machine size can be produce due to customer's requirement on X and Y direction.
- Strong gantry system ensures durability, stability and quick speed. CNC controller gives screen of 7", English, Russian, Spanish and others.
- CNC Controller gives easy operation interface, shape library and cutting parameters programs.
- Efficiency improvement and cutting quality functions, including Mirror, rotation, scale repeat, etc. USB terminal is to supporting program and data inputting and outputting.
- Automatic torch height controller on flame and plasma torches.
- With Auto ignition device on flame torch flash arrestor on flame torch.
- For light industries requesting ordinary thickness by both plasma and flame.

Specification

Model	ECONOCUT
Input Voltage(V)	110/220/230/240V, 220/380/400/415V, 50/60HZ
Rail distance (mm)	2500/3000/3500/4000
Effective cutting width(mm)	600mm less than rail distance
Rail length(mm)	Customer's requirement or 6000, 8000, 10000, 12000
Effective cutting length(mm)	1500mm less than rail length
CNC torch (piece)	1-2
Flame cutting thickness (mm)	6-150
Flame cutting speed (mm/min)	50-750
Moving speed (mm/min)	12000
Flame cutting gas	Acetylene, Propane, LPG
Plasma cutting thickness (mm)	Due to plasma power source
Plasma power source	Suits Hypertherm Powermax 45, 65, 85, 105, 125

Working process



Option 1 Controllers



Standard: HG618, 10" monitor



Upgrade: stand alone CNC, 17" monitor

Option 2 Plasma unit



Powermax series



Maxipro200

Option 3 Nesting software



Standard: FastCAM



Upgrade: Libellula



Upgrade: ProNest

Option 4 Torch Height controller



Standard torch filter



Upgrade: separate filter

Machine at sites



HGCUT



Main components

- CNC controller: American, European and Hugong brand options
- Automatic THC: Hypertherm and Hugong brand options
- Servo motor: Panasonic
- Gear box: Germany brand NEUGART
- Linear rail: TBI or HIWIN
- Relay: Omron
- Breaker: Schneider
- Nesting software options
- Australian: FastCAM PRO
- American: Hypertherm Pronest LTS
- American: Hypertherm ProNest LTS
- American: SigmaNest

Specification

Model	HGCUT
Cutting model	Plasma, Flame
Input voltage(V, Hz)	110/220/230/240, 220/380/400/415, 50/60
Rail width(mm)	3000-6000
Effective cutting width	800mm less than rail width(2 CNC torches)
Rail length(mm)	Customer's requirement, 8000/12000/16000
Effective cutting length	2000mm less than rail length
CNC controller	15" /17" colorful monitor, USB port
CNC torches	1-4 sets
Positioning accuracy(mm)	±0.5
Repeating accuracy(mm)	±0.2
Positioning speed(mm/min)	12,000
Flame cutting gas	Acetylene, Propane, LPG
Flame cutting thickness(mm)	5-150
Plasma cutting speed(mm/min)	50-750
Plasma cutting thickness	Due to plasma unit
Plasma cutting speed	Due to plasma unit
Compatible plasma unit	Hypertherm: Powermax Series, HSD, Maxpro, HPRXD Victor: Cutmaster Series, AUTOCUT200/300

Working process



Option 1
Controllers



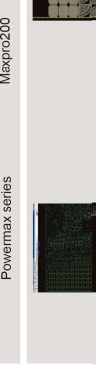
Standard: HG613 17" monitor

Option 2
Plasma unit



Maxpro200

Option 3
Nesting software



Standard: FastCAM

Upgrade: Libellula



Powermax series

Upgrade: ARCGSLIDE

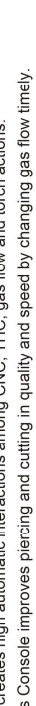


Standard: torch lifter

Upgrade: Sensor THC



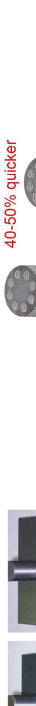
Upgrade: ProNest



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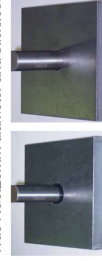
Upgrade: ProNest



Upgrade: ProNest

- Principles:**
- ProNest: creates high automatic interactions among CNC, THC, gas flow and torch actions.
 - Auto Gas Console improves piercing and cutting in quality and speed by changing gas flow timely.
 - Parameters in ProNest and CNC reduce IHS time, optimizes lead in/out and cutting speed automatically.

True Hole:25mm diameter and thickness: 1:1



Not true hole

True hole

Rapid part: for small part only



With rapid part

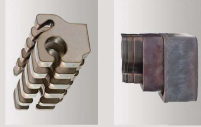
Without rapid part

40-50% quicker

Machine at sites



MAXCUT



Main components

- CNC controller: American, European and Hugong brand options
- Automatic THC: Hypertherm and Hugong brand options
- Servo motor: Panasonic
- Gear box: German brand NEUGART
- Linear rail: TBI or HIWIN
- Relay: Omron
- Breaker: Schneider
- Nesting software options
 - Australian: FastCAM PRO
 - American: Hypertherm Turbonest
 - American: Hypertherm ProNest
 - American: SigmaNest

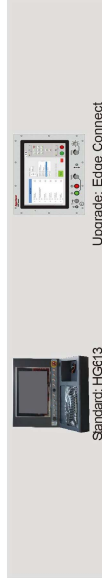
Specification

Model	MAXCUT
Cutting model	Plasma, Flame
Input voltage (V, Hz)	110/220/230/240, 220/380/400/415, 50/60
Rail width (mm)	3000 - 10000
Effective cutting width	1000mm less than rail width (2 CNC torches) Customer's requirement: 800/12000/16000
Rail length (mm)	10000
Effective cutting length	15" / 17' colorful monitor, USB port
CNC controller	1-6 sets
CNC torches	±0.5
Positioning accuracy (mm)	±0.2
Repeating accuracy (mm)	12,000
Positioning speed (mm/min)	Acetylene, Propane, LPG
Flame cutting gas	5-150
Flame cutting speed (mm)	80
Plasma cutting thickness	Due to plasma unit
Plasma cutting speed	Due to plasma unit
Compatible plasma unit	Hypertherm: Powermax Series, HSD130, Maxpro200 Victor: Cutmaster Series, AUTOCUT200/300 Hypertherm: HPRI 30,260,400,800XD Victor: Ultracut200,300,400
High definition plasma unit	Kjellburge, Hifocus and Smartfocus series

Working process



Option 1 Controllers



Option 2 Plasma unit



Option 3 Nesting software



Option 4 Torch Height controller



Machine at sites



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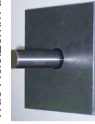
40-50% quicker



With rapid part



True hole



Not true hole

Without rapid part