

**THERMAL
DYNAMICS**

**AUTOMATED PLASMA
CUTTING SYSTEMS**

Thermal Dynamics[®]
AUTO-CUT[®] XT SYSTEMS



The new Auto-Cut XT systems deliver the next step in flexibility and reliability in heavy plate cutting applications.

- MaximumLife[®] Parts to Lower Operating Costs
- Increased Productivity for Greater Profits
- Water Mist Secondary (WMS[®]) for Low Cost, High Quality Cutting on Non-Ferrous Metals



We Bring Intelligence to the Table.[™]

Thermal Dynamics®

AUTO-CUT® XT SYSTEMS

Auto-Cut 200 XT & 300 XT systems deliver premium cut performance on both mild steel and non-ferrous metals. These power supplies are designed for reliable, low cost operation. Features like the XT™ 301 consumable parts cartridge and the Machine Status Message Center make these models easy to operate.

The Flexibility to Cut Thick or Thin on All Kinds Of Metals

XT-301 consumable parts are available for cutting metals from gauge (1.0 mm) to a 1" (25 mm) plate [1¼" (35 mm) for Auto-Cut 300 XT]. Auto-Cut XT systems with the XT-301 torch, are normally operated using economical air plasma and air shield gas for cutting mild steel and most non-ferrous metals. This results in high quality surface finishes and low dross cuts.

For even better cut quality on mild steel, Auto-Cut XT models offers O₂ plasma cutting capability. For lowest cost non-ferrous metal cutting and unmatched cut quality, use our unique Water Mist Secondary (WMS®) process with nitrogen plasma and water shield.

If heavy non-ferrous metal cutting is required, switch to Ar-H₂ (H35) and Nitrogen shield for premium non-ferrous metal performance up to 1" (25 mm).

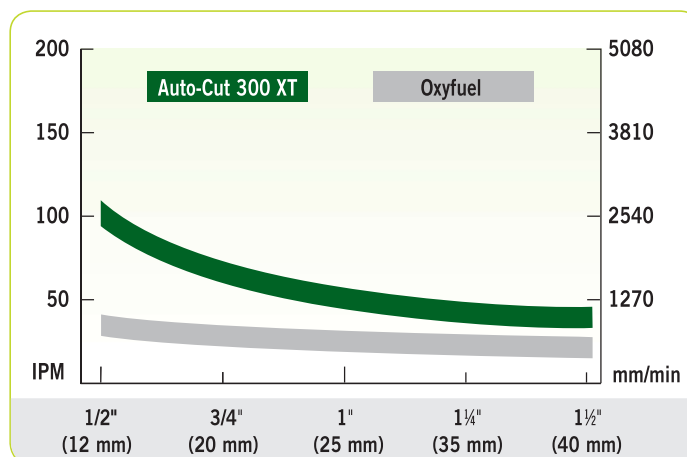


Cut fast with Air-Air

Thermal Dynamics' patented XT Torch Consumable Technology is ideal for cutting from gauge (1.0 mm) to 1" (25 mm) [1¼" (35 mm) for Auto-Cut 300 XT]. Excellent quality cuts will be achieved on both ferrous and non-ferrous metals at higher speeds.

- Small heat affected zone and smooth cutting edge surface.
- Narrow kerf for tighter angles and radiuses at high speeds.
- Wide low dross parameter windows
- Higher arc density for faster speeds without sacrificing cut quality.
- Faster cuts with Air/Air on Stainless Steel

Relative Cutting Speed



Thermal Dynamics®

AUTO-CUT® XT SYSTEMS

Specifications



Auto-Cut 200 XT

Unit Specifications*

Rated Output (Amps)	200 A
Output Range (Amps)	5-200 A
Output (Volts)	170 V
Input Volts (Volts, Phase, Hertz)	380 V, 3 ph, 50-60 Hz, 400 V, 3 ph, 50-60 Hz, 480 V, 3 ph, 50-60 Hz
Input Amps (Amps, Volts)	63 A @ 380 V 60 A @ 400 V 50 A @ 480 V
Duty Cycle (@ 104°F / 40° C)	100% (40 kW)
Max OCV	425 V
Plasma Gas	Air, O ₂ , Ar-H ₂ , N ₂ @ 120 psi (8.3 bar)
Shield Gas	Air, N ₂ @ 120 psi (8.3 bar)
Water Mist Secondary (WMS) (Optional)	H ₂ O @ 10 GPH (0.6 l/min)
Power Supply Weight	475 lbs (215 kg)
Dimensions (H x W x D)	48.0" x 27.5" x 40.6" (1219 mm x 698 mm x 1031 mm)
Certifications	CSA, CE, CCC

Cutting Capacity

	Mild Steel	Stainless Steel	Aluminum
Production Piercing	1" (25 mm)	1" (25 mm)	1" (25 mm)
Maximum Piercing	1¼" (35 mm)	1¼" (35 mm)	1¼" (35 mm)
Maximum Edge Start	2" (50 mm)	2" (50 mm)	2" (50 mm)



Auto-Cut 300 XT

Unit Specifications*

Rated Output	300 A
Output Range	5-300 A
Output	180 V
Input Volts	380 V, 3 ph, 50-60 Hz, 400 V, 3 ph, 50-60 Hz, 480 V, 3 ph, 50-60 Hz
Input Amps	97 A @ 380 V 93 A @ 400 V 76 A @ 480 V
Duty Cycle (@ 104°F / 40° C)	100% (60 kW)
Max OCV	425 V
Plasma Gas	Air, O ₂ , Ar-H ₂ , N ₂ @ 120 psi (8.3 bar)
Shield Gas	Air, N ₂ @ 120 psi (8.3 bar)
Water Mist Secondary (WMS)	H ₂ O @ 10 GPH (0.6 l/min)
Power Supply Weight	590 lbs (268 kg)
Dimensions (H x W x D)	54.9" x 27.5" x 40.6" (1371 mm x 698 mm x 1031 mm)
Certifications	CSA, CE, CCC

Cutting Capacity

	Mild Steel	Stainless Steel	Aluminum
Production Piercing	1¼" (35 mm)	1¼" (35 mm)	1¼" (35 mm)
Maximum Piercing	1½" (40 mm)	1½" (40 mm)	1½" (40 mm)
Maximum Edge Start	2¾" (70 mm)	2¾" (70 mm)	2¾" (70 mm)

* Subject to change without notice