

AUTOMATION

Auto-Cut™ 100 Automated Plasma Cutting System

1/2" (12mm) Production Capacity

5/8" (15mm) Max Pierce Capacity

1 1/2" (40mm) Edge Start Capacity

| | Thermal Dynamics® | Thermal Dynamics® | Hypertherm® | InnerLogic® | Kjellberg® | |
|--|--|---|---|--|--|--------------------------------|
| Competitive Comparison | Auto-Cut 100 | Merlin® 1000 | powermax® 1650 | SR100i | * FineFocus® 450 | Auto-Cut 100 Advantages |
| Output Range | 10-100 Amps | 30-100 Amps | 30-100 Amps | 25-100 Amps | 40-130 Amps | True Widespread Cutting Range |
| Production Capacity | 1/2" (12mm) | 1/2" (12mm) | 1/2" (12mm) | 1/2" (12mm) | 1/2" (12mm) | |
| Max Piercing Capacity | 5/8" (15mm) | 3/4" (20mm) | 3/4" (20mm) | 1/2" (12mm) | 1" (25mm) | |
| Edge Start Capacity | 1-1/2" (38mm) | 1-1/2" (38mm) | 1-1/2" (38mm) | 1-1/2" (38mm) | 1-3/4" (45mm) | |
| Cut Speed @ 3/8" & Max Current | 85 IPM | 75 IPM | 77 IPM | 85 IPM | 78 IPM | Fastest Cut Speed Available |
| Cut Speed @ 1/2" & Max Current | 75 IPM | 60 IPM | 57 IPM | 55 IPM | 63 IPM | |
| Cut Speed @ 3/4" & Max Current | 30 IPM | 20 IPM | 26 IPM | 20 IPM | 29 IPM | |
| Oxygen Plasma Capability | Yes | Yes | No | No | Yes | Oxygen Capability |
| Water Mist Secondary | Yes | Yes | No | No | No | Best Cut Quality @ Non Ferrous |
| Marking Capability | No | No | No | No | No | |
| Input Voltage | 208-230/460V ±10%, 3ph, 50/60 Hz 400V ±10%, 3ph, 50/60 Hz 600V ±10%, 3ph, 50/60 Hz | 208-230/460V, 3ph, 50/60 Hz 400V, 3ph, 50/60 Hz 460V, 3ph, 50/60 Hz | 208-600V, 3ph | 208V, 3ph, 60 Hz 230/460V, 3ph, 60 Hz 380V, 3ph, 50 Hz 415V, 3ph, 50 Hz 575V, 3ph, 60 Hz | 400V, 3ph, 50 Hz | |
| Power Source | Inverter | Inverter | Inverter | Chopper | Chopper | |
| Duty Cycle | 100% @ 100A @ 160 VDC | 100% @ 100A @ 120 VDC | 80% @ 100A @ 160 VDC | 100% @ 100A @ 175 VDC | 100% @ 100A | |
| Torch Cooling | Liquid | Liquid | Air | Air | Liquid | |
| Arc Starting | HF / DC Pilot | HF / DC Pilot | Internal Contact Start | HF / DC Pilot | HF / DC Pilot | |
| Auto Pilot Restart (expanded metal) | Yes | Yes | Yes | Yes | Yes | |
| Tip Saver Circuit | Yes | Yes | No | No | No | Better Parts Life |
| Over Voltage Protection | Yes | Yes | Yes | Yes | Yes | |
| Amperage Adjustment | Variable | Variable | Variable | Variable | Variable | |
| Torch Model | XT™-301 | Maximizer® 300 | T100 or T100M with ETR | | | |
| Dimensions | H 41.5" (1054mm) W 27.5" (700mm) L 38.5" (978mm) | H 42.0" (1066mm) W 20.5" (521mm) L 31.0" (787mm) | H 26.4" (671mm) W 16.8" (427mm) L 25.8" (655mm) | H 35.5" (902mm) W 22.0" (559mm) L 24.0" (610mm) | H 38.2" (970mm) W 30.4" (711mm) L 40.4" (1025mm) | |
| Weight | 420 lbs. (191 kg) | 250 lbs. (114 kg) | 128 lbs. (58 kg) | 400 lbs. (181 kg) | 552 lbs. (251 kg) | |
| Warranty (Power Supply) | 2 Years | 2 Years | 3 Years | 3 Years | 2 Years | |

Hypertherm is a registered trademark of Hypertherm Co. InnerLogic and FineLine are registered trademarks of InnerLogic, Inc. Kjellberg and HiFocus are registered trademarks of Plasma Solutions bvba. The afore mentioned trademarks are in no way affiliated with Thermal Dynamics or Thermadyne Industries, Inc. Auto-Cut and XT are trademarks, and Merlin and Thermal Dynamics are registered trademarks of Thermal Dynamics Corp. and Thermadyne Industries Inc.

*Not Available in the U.S.