# CUT-300HD

Delivers superior cutting performance across a broad range of applications needs, professional-grade metal cutting for CNC System.

## Cutting Capacity

### Mild Steel Cut Capacity

| | |
|---|---|
| Production Pierce | 38mm |
| Maximum Cutting Capacity (Hand-held) | 80mm |

### Stainless Steel Cut Capacity

| | |
|---|---|
| Production Pierce | 32mm |
| Maximum Cutting Capacity (Hand-held) | 70mm |

### Aluminum Cut Capacity

| | |
|---|---|
| Production Pierce | 32mm |
| Maximum Cutting Capacity (Hand-held) | 70mm |

## Maximized productivity

The High Definition technology delivers high precision at unprecedented cutting speeds to deliver more parts per hour.

## Superior cut quality and consistency

- Approved perpendicularity tolerance as lower as 0.4mm (32mm cutting plate).

Work pieces can go directly from the cutting table to welding, painting or assembly without expensive secondary operations.

## Unmatched versatility

- Capable to gouging, bevel cutting, hole cutting and CNC cutting.

Bevel technology works with all common bevel head designs and covers V, A, and top-Y style cuts for mild steel.
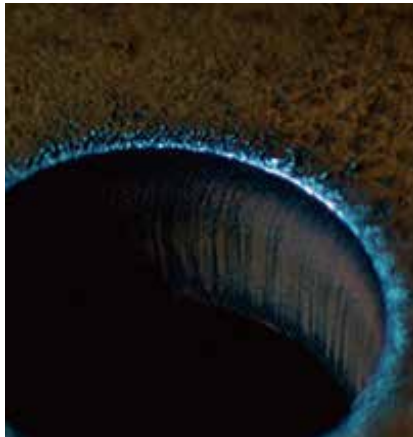
## Unmatched reliability

- The great manufacturing processes reducetheopportunity for error ensuring every High Definition system meets our high quality standards.

## Minimized operating cost

- The high definition CUT-300HD consumables are manufactured with the highest quality standards to ensure consistently longer life.

- Long life technology significantly increase consumable life and reduce your cost per part.

# Technical specifications

| Item No | CUT-300HD |
|---|---|
| Input voltages (±15%) | 340-460V, 3-PH, 50-60Hz |
| Max Input current | 340/460V, 228/169A |
| Output current | 30-300A |
| Rated output voltage | 220V |
| Duty cycle @ 40° C (104° F) | 100% @300A |
| Open circuit voltage (OCV) | 380V |
| Dimensions | 1560x700x1830mm |
| Weight | 130kg |
| Gas supply | Air (clean, dry and oil-free) |
| Recommended gas inlet flow rate/pressure | 0.4-0.6Mpa |
| Power supply type | Inverter-IGBT |
| Electrical efficiency | 85% |
| Max. Load Power Capacity | 77.65KVA |
| Certifications | CE, RoHS |
| Warranty | Power supply: 3-year |
|  | Torch: 1-year |

# PLASMA torch: TP300

Mounting sleeve  Torch body  Water tube  Swirl ring  Nozzle cap  Shield cap

Cable connector  Electrode  Nozzle  Shield