

The **NEOCUT 105** plasma cutter combines performance and mobility to handle all cutting requirements up to a thickness of 50 mm. It features a fully automatic air pressure management system to ensure clean and precise cutting, as well as a dedicated marking mode. Ready for integration into an automation system, it offers native cutting table connection via two standard connectors. The colour interface is unique to the plasma cutter market, and facilitates easy set-up and adjustment, providing unparalleled user experience.

## SYNERGIC AIR PRESSURE

- **Automatic air pressure and flow management** to deliver impeccable cutting results and extend the life of consumables.
- **2 display modes available:**
  - Material/Consumable selection: to keep the same consumable used, no matter the thickness you need to cut.
  - Material/Thickness Selection: optimises cutting time for maximum efficiency.

## CNC FUNCTIONALITY

- **2 pre-installed CNC connectors** (analogue and digital), compatible with major brands of cutting tables.
- Voltage divider can be easily adjusted from the HMI.
- Charts available on-screen, indicating cutting speed and height.

## EASY TO USE

- **New intuitive, multilingual 3.5" HMI.**
- **5 operating modes:** Cutting solid sheet metal, Cutting perforated sheet metal with continuous arc, Marking, Gouging, and Spot (piercing points).
- **2T or 4T trigger mode** for performing lengthy cuts manually.
- **HF-free ignition** to avoid interference with nearby electronic equipment.
- **Consumable usage indicator** (nozzle and electrode).
- Consult consumable part number reference directly from the HMI.
- **Pneumatic diagnostics** with alerts and air network management.
- Built-in space for consumables box.
- System update via USB stick.
- Job memory for recurring applications.

## INDUSTRIAL DESIGN

- Filters air to extend the life of consumables.
- Optimised cooling for use in industrial environments.
- Reinforced casing with pads for greater resistance to jolts and bumps from handling.
- 2 steel handles for easy transport and suspension.
- IP 23 dust protection.
- Generator compatible (recommended power: 30 kW).

## ACCESSORIES & CONSUMABLES (options)

MT-125  
Manual torch  
without consumables



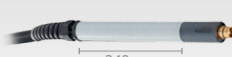
6 m | 12 m  
039506 | 039513

Consumable box  
MT-125



45 → 85 A | 85 → 105 A  
039537 | 064720

AT-125  
Automatic torch  
without consumables



240 mm  
100 A at 100 %  
6 m | 12 m | 15 m | 20 m  
038479 | 039520 | 069787 | 069794

Digital / analogue  
control cable  
15 m



084643

Skate trolley



087958

Anti-dust filter



046580



CNC  
14 pin  
5 pin

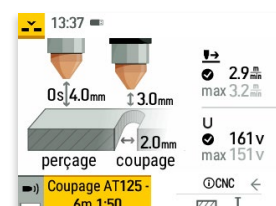
Supplied with



Earth clamp  
4 m - 16 mm<sup>2</sup>



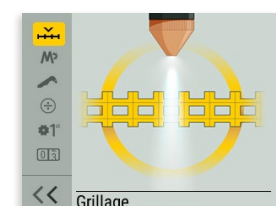
Manual synergetic  
cutting









Diagrams for cutting  
table



Compatible  
consumables



Choice of operating  
mode

			I <sub>2</sub>	Cutting capacity in mm (max.)						Gouging	Air		EN 60974-1 (40°C)			IP	 Protected & compatible power generator (+/-15%)
				Piercing		Clean cut		Separation		Removal rate	Pressure  bar	Flow rate  L/min	Cutting  100 %				
				Fe	Al/CrNi	Fe	Al/CrNi	Fe	Al/CrNi								
50/60 Hz	5 m	A	A	Fe	Al/CrNi	Fe	Al/CrNi	Fe	Al/CrNi	8 kg/h	5 → 9	355	105 A	cm	kg	IP 23	30 kW