

PLASMA CUTTING

The new series of Torches
without High Frequency Start

With “**EASY FIT**”

A revolutionary solution to save time and money

PTE-100H

PTE-100M

PTE-105HPlus

PTE-105MPlus

THE-125

TME-125

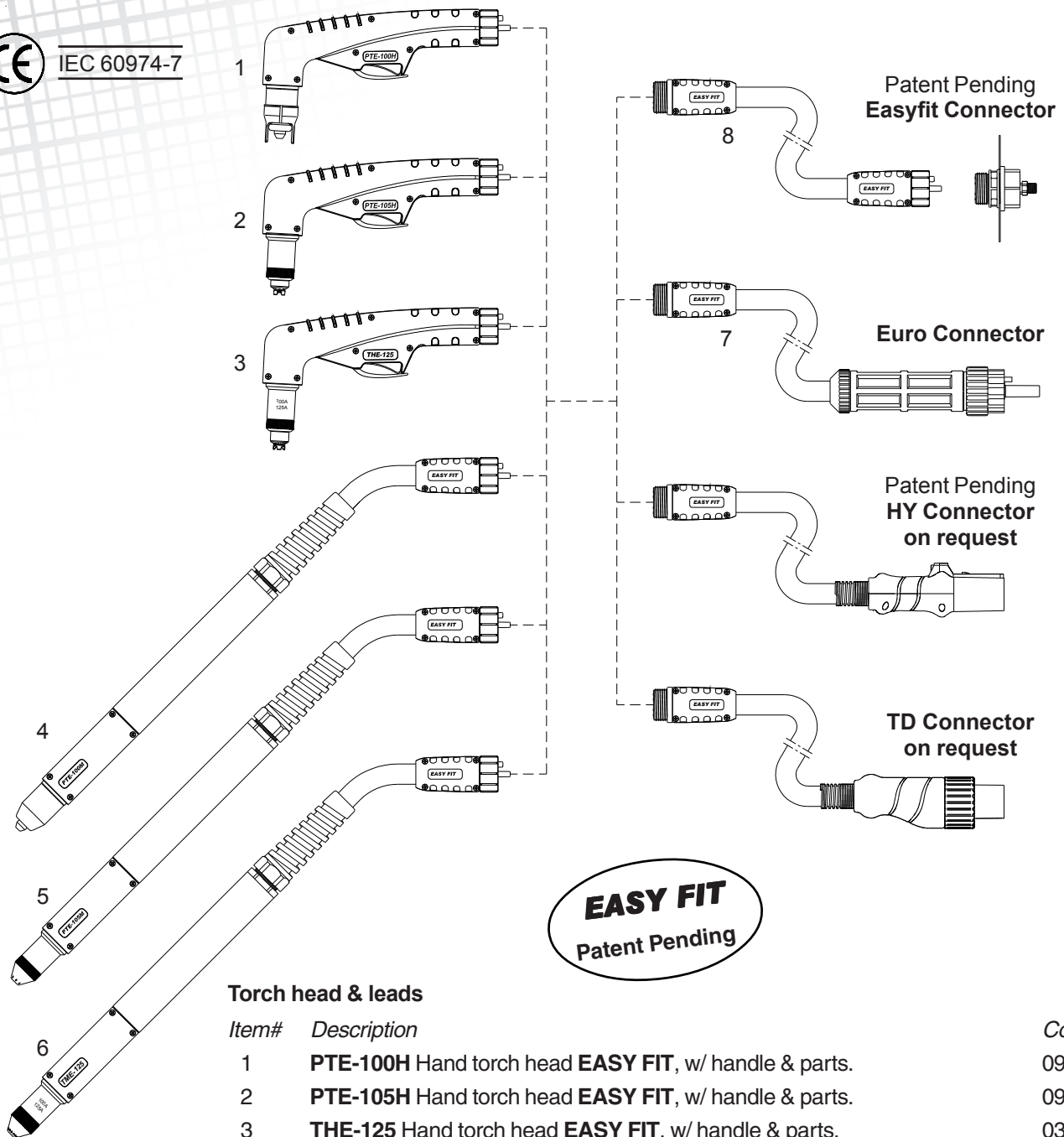
● Higher performances

● Cleaner cut

● Faster speed

TEC.MO.®**EASYFIT**

IEC 60974-7

**Torch head & leads**

Item#	Description	Code#
1	PTE-100H Hand torch head EASY FIT , w/ handle & parts.	09701
2	PTE-105H Hand torch head EASY FIT , w/ handle & parts.	09701P
3	THE-125 Hand torch head EASY FIT , w/ handle & parts.	03701
4	PTE-100M Machine torch head EASY FIT , w/positioning tube & parts	09711
5	PTE-105M Machine torch head EASY FIT , w/positioning tube & parts	09711P
6	TME-125 Machine torch head EASY FIT , w/positioning tube & parts	03711
7	Lead Assembly, 6m (20 ft) EASY FIT , Coaxial Cable , w/ Euro-Connector	09781FX
8	Extension, 6m (20 ft), complete with EASY FIT , Coaxial Cable	05285FX
	Extension, 7.5m (25 ft), complete with EASY FIT , Coaxial Cable	05286FX
	Extension, 12m (40 ft), complete with EASY FIT , Coaxial Cable	05287FX
	Extension, 15m (50 ft), complete with EASY FIT , Coaxial Cable	05288FX
9	EASY FIT Central Connection, Machine Side	05265

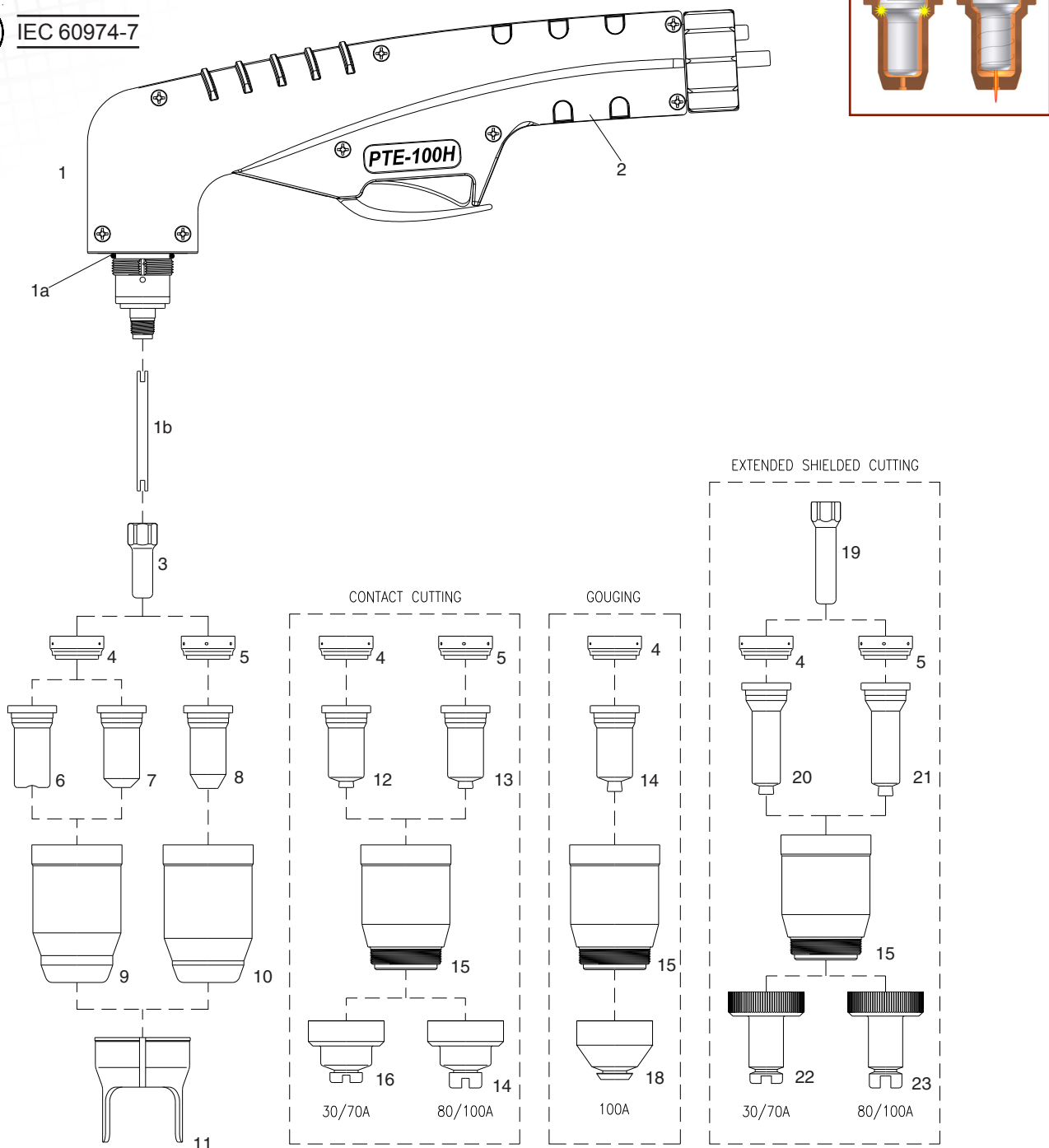
TEC.MB.®**PTE-100H****Technical Data**

Current : 30-100 Amps
 Duty Cycle: 100 Amps 60%
 Gas: Air/N₂
 Gas Pressure: 70-80 PSI (4.5-5.5 bar)
 Gas Flow: 510 SCFH (240 lpm)
 Pilot : Electrode to Tip (18-22A)
 Ignition: Without HF

For the correct operation please use:
 3-Ways Solenoid Valve, inside orifice
 3.5-4.0mm - (0.138-0.157 inches)



IEC 60974-7



TEC.MO.[®]**PTE-100H****Air or N₂****Replacement Parts****Torch parts**

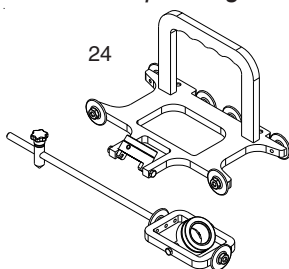
Item#	Description	Code#
1	● PTE-100H Hand torch head EASY FIT , w/ handle & parts.	09701
1a	● O-Ring	51190.41
1b	● Cooling Tube	09700.48
2	● Handle with parts	09707
3	● Electrode, Back Striking	52556
4	Gas Distributor, 30-70A	60025
5	● Gas Distributor, 80-100A and Gouging	60026
6	Tip, Contact Cutting, ø 0.9, 30-40A, Back Striking	51245.09
7	Tip, Cutting, ø 1.0, 40-50A, Back Striking	51246.10
	Tip, Cutting, ø 1.1, 50-60A, Back Striking	51246.11
	Tip, Cutting, ø 1.2, 60-70A, Back Striking	51246.12
8	Tip, Cutting, ø 1.4, 80-90A, Back Striking	51248.14
	● Tip, Cutting, ø 1.5, 100A, Back Striking	51248.15
9	Retaining Cap, 30-70A	60500
10	● Retaining Cap, 80-100A	60501
11	● Double Pointed Spacer (for use with item. 7 and 8 only)	60444
N/S	● Wrench for electrode	60368

Accessories

Item#	Description	Code #
12	Contact Tip, ø 1.0, 40-50A, Back Striking	51276.10
	Contact Tip, ø 1.1, 50-60A, Back Striking	51276.11
	Contact Tip, ø 1.2, 60-70A, Back Striking	51276.12
13	Contact Tip, ø 1.4, 80-90A, Back Striking	51278.14
	Contact Tip, ø 1.5, 100-100A, Back Striking	51278.15
14	Tip, Gouging, 100A, Back Striking	51278G.22
15	Shield Cup Body	60502
16	Shield Cap, Hand, 40-70A	60504
17	Shield Cap, Hand, 80-100A	60505
18	Shield Cap, Gouging	60508
19	Extended Electrode	52556L
20	Extended Shielded Tip, ø 1.0, 40-50A,	51276L.10
	Extended Shielded Tip, ø 1.1, 50-60A,	51276L.11
	Extended Shielded Tip, ø 1.2, 60-70A,	51276L.12
21	Extended Shielded Tip, ø 1.4, 80-90A,	51278L.14
	Extended Shielded Tip, ø 1.5, 100A,	51278L.15
22	Extended Shielded Cap, Hand, 40-70A	60504L
23	Extended Shielded Cap, Hand, 80-100A	60505L
N/S	Circle Cutting Attachment	51864
24	BEVEL TOOL	51887

**Air Filter
AT-1000****Bevel Tool**

Patent pending



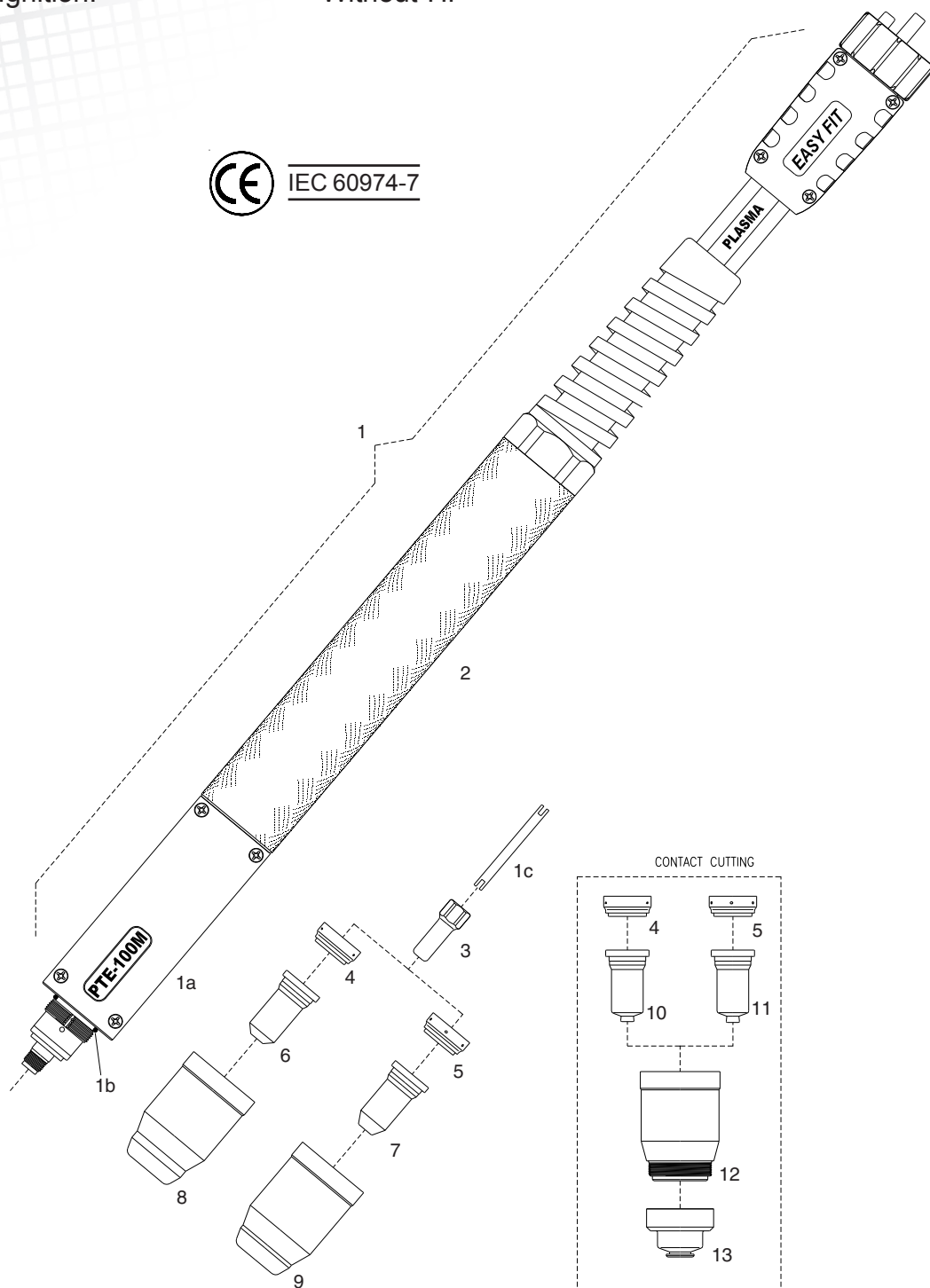
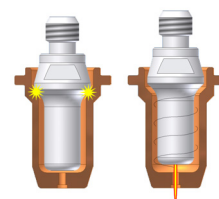
TEC.MB.®**PTE-100M****Technical Data**

Current :	30-100 Amps
Duty Cycle:	100 Amps 60%
Gas:	Air/N2
Gas Pressure:	70-80 PSI (4.5-5.5 bar)
Gas Flow:	510 SCFH (240 lpm)
Pilot :	Electrode to Tip (18-22A)
Ignition:	Without HF

For the correct operation please use:
3-Ways Solenoid Valve, inside orifice
3.5-4.0mm - (0.138-0.157 inches)



IEC 60974-7

**Back Striking**

TEC.MO.[®]**PTE-100M****Air or N₂****Replacement Parts****Torch parts**

<i>Item#</i>	<i>Description</i>	<i>Code#</i>
1	● PTE-100M Machine torch head EASY FIT , with tube & parts	09711
1a	● Machine torch head	09710
1b	● O-Ring	51190.41
1c	● Cooling Tube	09700.48
2	● Fiberglass Positioning Tube	07218
3	● Electrode, Back Striking	52556
4	Gas Distributor, 30-70A	60025
5	● Gas Distributor, 80-100A	60026
6	Tip, Cutting, ø 1.0, 40-50A, Back Striking	51246.10
	Tip, Cutting, ø 1.1, 50-60A, Back Striking	51246.11
	Tip, Cutting, ø 1.2, 60-70A, Back Striking	51246.12
7	Tip, Cutting, ø 1.4, 80-90A, Back Striking	51248.14
	● Tip, Cutting, ø 1.5, 100A, Back Striking	51248.15
8	Retaining Cap, 30-70A	60500
9	● Retaining Cap, 80-100A	60501
N/S	● Wrench for electrode	60368

Accessories

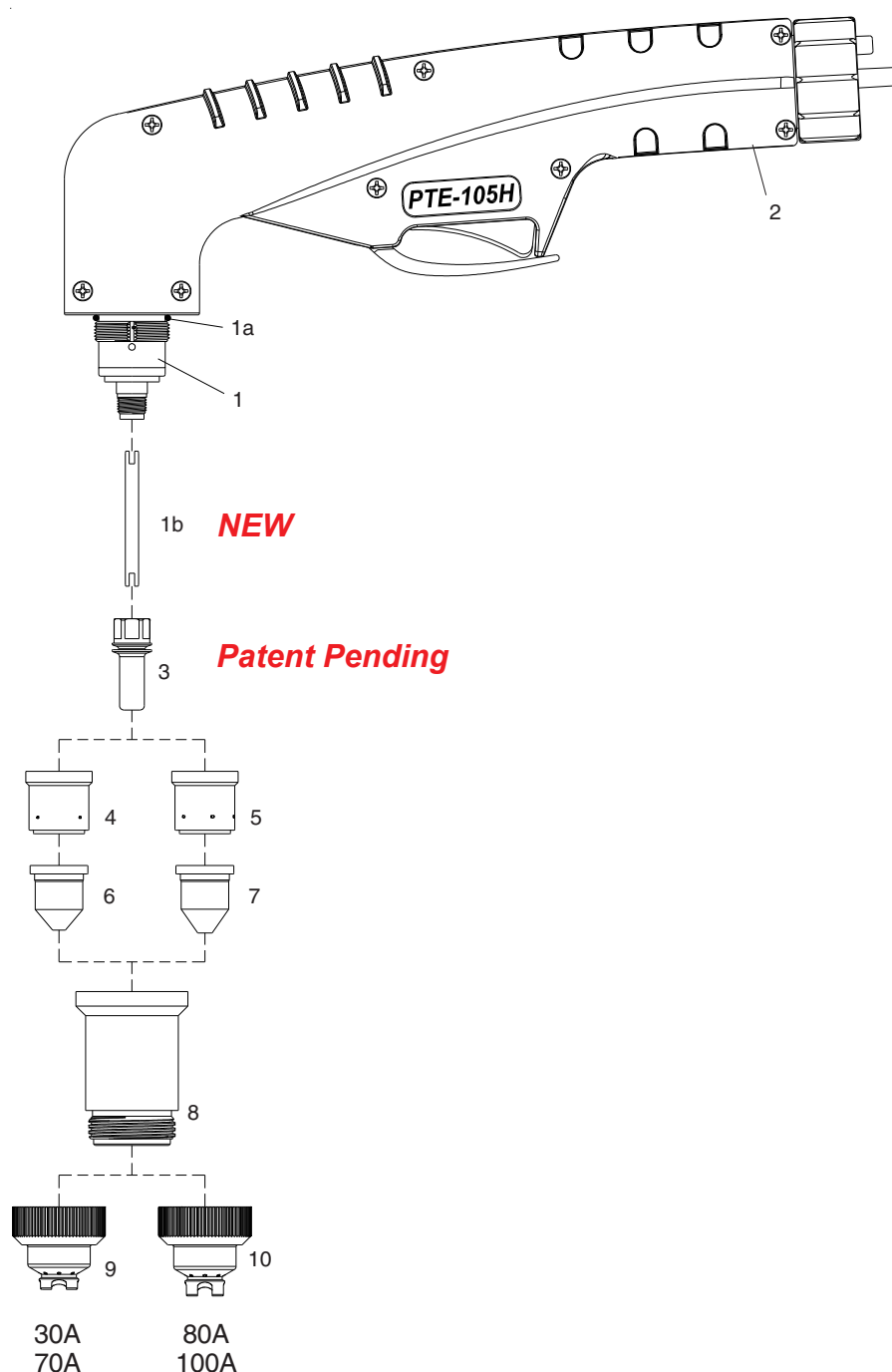
<i>Item#</i>	<i>Description</i>	<i>Code#</i>
10	Contact Tip, ø 1.0, 40-50A, Back Striking	51276.10
	Contact Tip, ø 1.1, 50-60A, Back Striking	51276.11
	Contact Tip, ø 1.2, 60-70A, Back Striking	51276.12
11	Contact Tip, ø 1.4, 80-90A, Back Striking	51278.14
	Contact Tip, ø 1.5, 100A, Back Striking	51278.15
12	Shield Cup Body	60502
13	Shield Cap, Machine	60506

**Air Filter
AT-1000**

TEC.MB.®**PTE-105H****Technical Data**

Current :	30-100 Amps
Duty Cycle:	100 Amps 60%
Gas:	Air/N2
Gas Pressure:	70-80 PSI (4.5-5.5 bar)
Gas Flow:	510 SCFH (240 lpm)
Pilot :	Electrode to Tip (18-22A)
Ignition:	Without HF

For the correct operation please use:
 3-Ways Solenoid Valve, inside orifice
 3.5-4.0mm - (0.138-0.157 inches)

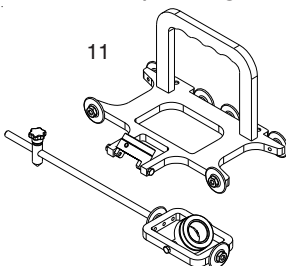


TEC.MO.[®]**PTE-105H****Air or N₂****Replacement Parts****Torch parts**

<i>Item</i>	<i>Description</i>	<i>Code</i>
1 ●	PTE-105H Hand torch head EASY FIT, w/handle & parts.	09701P
1a ●	O-Ring	51190.41
1b ●	Cooling Tube, NEW	09700.62
2 ●	Handle with parts	09707
3 ●	Electrode	52559
4	Swirl ring, 30-70A	60021
5 ●	Swirl ring, 80-100A	60022
6	Tip, Cutting, 40A	51257.09
	Tip, Cutting, 60A	51257.11
7	Tip, Cutting, 80A	51258.13
●	Tip, Cutting, 100A	51258.15
8 ●	Shield Cup Body	60499
9	Shield Cap, Hand, 30-70A	60514
10 ●	Shield Cap, Hand, 80-100A	60515
N/S ●	Wrench for electrode	60368

Accessories

N/S	Circle Cutting Attachment	51865
11	BEVEL TOOL	51880

**Air Filter
AT-1000****Bevel Tool**
Patent pending

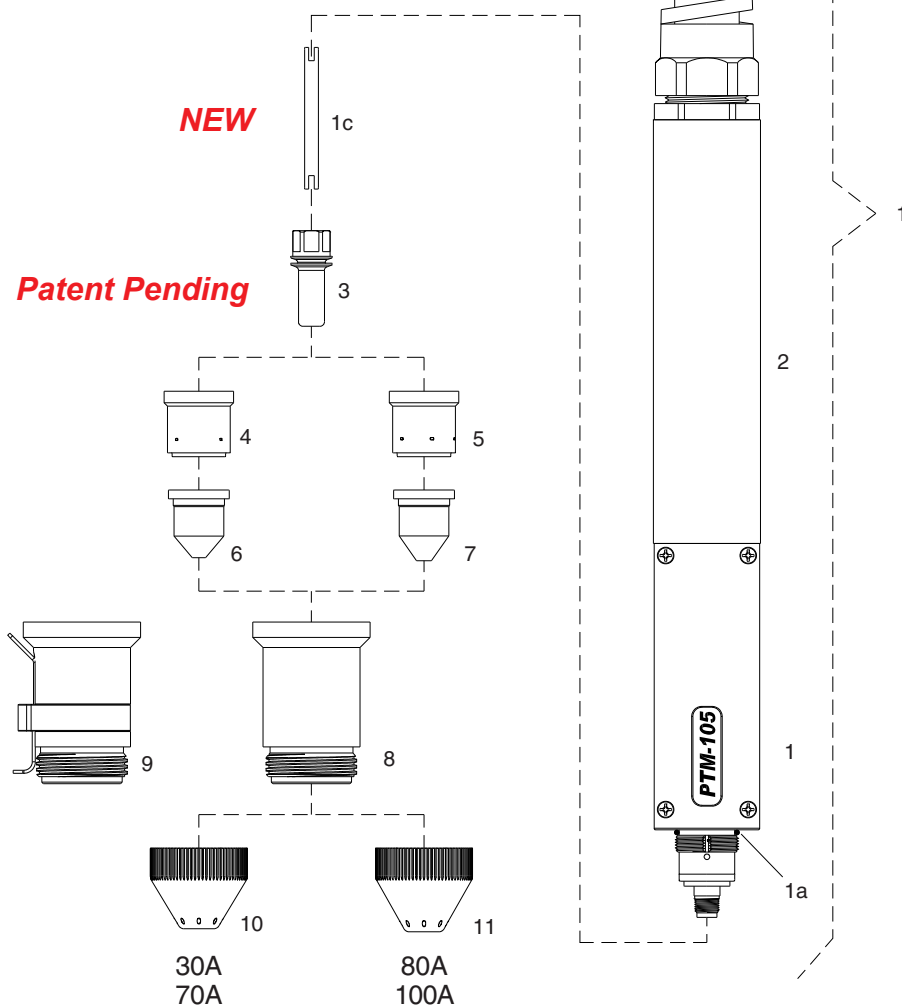
TEC.MB.®**PTE-105M****Technical Data**

Current :	30-100 Amps
Duty Cycle:	100 Amps 60%
Gas:	Air/N2
Gas Pressure:	70-80 PSI (4.5-5.5 bar)
Gas Flow:	510 SCFH (240 lpm)
Pilot :	Electrode to Tip (18-22A)
Ignition:	Without HF

For the correct operation please use:
3-Ways Solenoid Valve, inside orifice
3.5-4.0mm - (0.138-0.157 inches)



IEC 60974-7



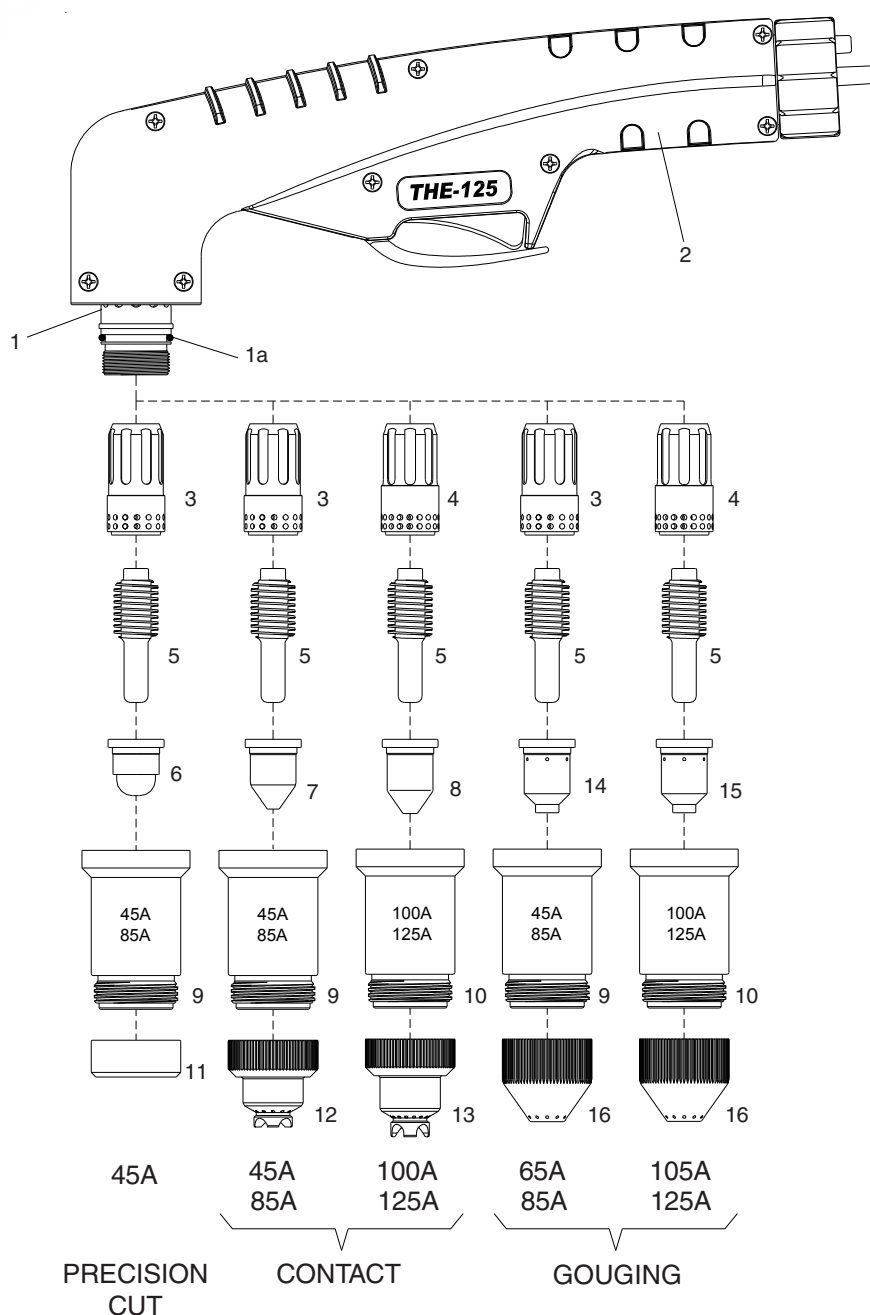
TEC.MO.[®]**PTE-105M****Air or N₂**Air Filter
AT-1000**Replacement Parts****Torch parts**

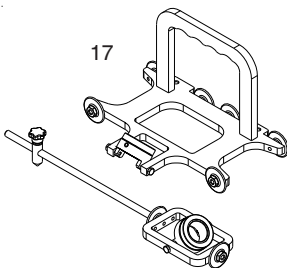
<i>Item</i>	<i>Description</i>	<i>Code</i>
1	● PTE-105M Machine torch head EASY FIT, w/tube & parts	09711P
1a	● Machine torch head	09710P
1b	● O-Ring	51190.41
1c	● Cooling Tube, NEW	09700.62
2	● Handle with parts	09705
3	● Electrode	52559
4	Swirl ring, 30-70A	60021
5	● Swirl ring, 80-100A	60022
6	Tip, Cutting, 40A	51257.09
	Tip, Cutting, 60A	51257.11
7	Tip, Cutting, 80A	51258.13
	● Tip, Cutting, 100A	51258.15
8	● Shield Cup Body	60499
9	Shield Cup Body, OHMIC	60499H
10	Shield Cap, Machine, 30-70A	60516
11	● Shield Cap, Machine, 80-100A	60517
N/S	● Wrench for electrode	60368

TEC.MO.[®]**THE-125****Technical Data**

Current :	40-125 Amps
Duty Cycle:	125 Amps at 60%
Gas:	Air/N2
Gas Pressure	
- Cutting:	72-87 PSI (5.0-6.0 bar)
- Gouging:	58-65 PSI (4.0-4.5 bar)
Gas Flow at 125A:	630 SCFH (295 lpm)
Pilot :	Electrode to Tip (15-18A)
Ignition:	Without HF

For the correct operation please use:
 3-Ways Solenoid Valve, inside orifice
 3.5-4.0mm - (0.138-0.157 inches)



TEC.MO.[®]**THE-125****Air or N₂****Air Filter
AT-1000****Bevel Tool**
Patent pending**Replacement Parts****Torch parts**

<i>Item</i>	<i>Description</i>	<i>Code</i>
1	● THE-125 Hand Torch Head	03700
1a	● O-Ring	03700.60
2	● Handle with parts	09707
3	Swirl ring, 45-85A	60042E
	Swirl ring, 45-85A Maximum Life	60042
4	Swirl ring, 100-125A	60040E
	● Swirl ring, 100-125A Maximum Life	60040
5	● Electrode, 45-125A	52677
	Electrode, 45-125A, BiMetal	52677BM
6	Tip, Cutting, 45A Precision Cut	51415
7	Tip, Cutting, 45A	51416
	Tip, Cutting, 65A	51417
	Tip, Cutting, 85A	51418
8	Tip, Cutting, 105A	51419
	● Tip, Cutting, 125A	51419.16
9	Shield Cup Body, 45-85A	60309TA
10	● Shield Cup Body, 100-125A	60309TC
11	Deflector, 45A Precision Cut	51928
12	Shield Cap, Hand, 45-85A	51921
13	● Shield Cap, Hand, 100-125A	51926
14	Tip, Gouging, 65-85A	51417G
15	Tip, Gouging, 105A	51418G
	Tip, Gouging, 125A	51419G
16	Shield Cap, Gouging	51927G
N/S	Circle Cutting Attachment	51865
17	BEVEL TOOL	51880

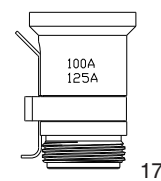
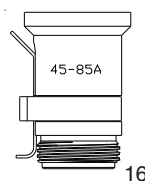
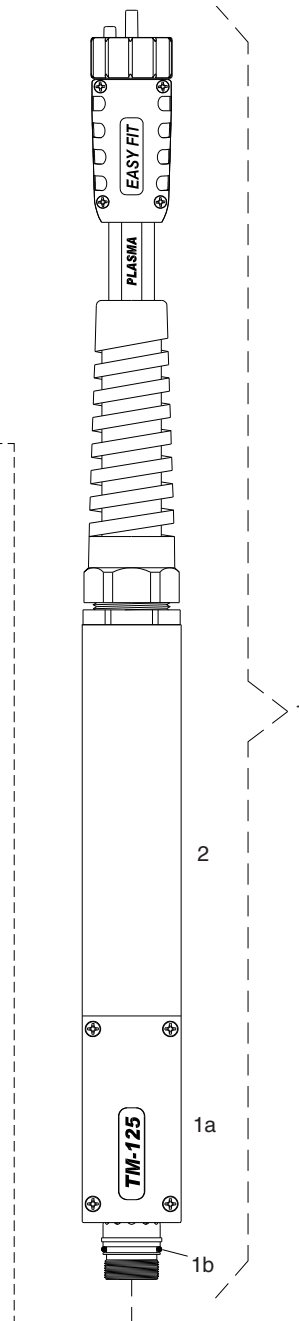
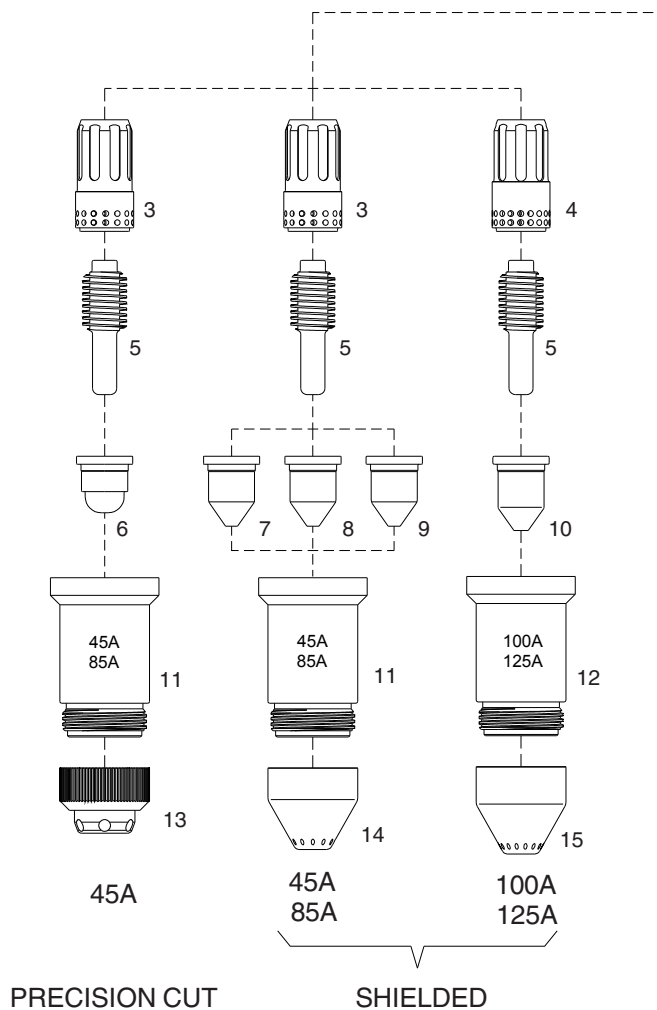
TEC.MO.[®]**TME-125****Technical Data**

Current :	40-125 Amps
Duty Cycle:	125 Amps at 60%
Gas:	Air/N2
Gas Pressure	
- Cutting:	72-87 PSI (5.0-6.0 bar)
- Gouging:	58-65 PSI (4.0-4.5 bar)
Gas Flow at 125A:	630 SCFH (295 lpm)
Pilot :	Electrode to Tip (15-18A)
Ignition:	Without HF

For the correct operation please use:
3-Ways Solenoid Valve, inside orifice
3.5-4.0mm - (0.138-0.157 inches)



IEC 60974-7

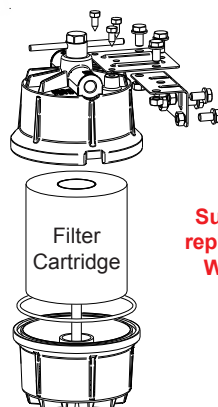


TEC.MO.[®]**TME-125****Air or N₂**Air Filter
AT-1000**Replacement Parts****Torch parts**

<i>Item</i>	<i>Description</i>	<i>Code</i>
1	● TME-125 Machine Torch Head EASY FIT.	03711
1a	Machine torch head	03710
1b	● O-Ring	03700.60
2	● Fiberglass Positioning Tube	07218
3	Swirl ring, 45-85A	60042E
	Swirl ring, 45-85A Maximum Life	60042
4	Swirl ring, 100-125A	60040E
	● Swirl ring, 100-125A Maximum Life	60040
5	● Electrode, 45-125A	52677
	Electrode, 45-125A, BiMetal	52677BM
6	Tip, Cutting, 45A Precision Cut	51415
7	Tip, Cutting, 45A	51416
8	Tip, Cutting, 65A	51417
9	Tip, Cutting, 85A	51418
10	Tip, Cutting, 105A	51419
	● Tip, Cutting, 125A	51419.16
11	Shield Cup Body, 45-85A	60309TA
12	● Shield Cup Body, 100-125A	60309TC
13	Shield Cap, 45A Precision Cut	51929
14	Shield Cap, Machine, 45-85A	51922
15	● Shield Cap, Machine, 100-125A	51927
16	Shield Cup Body, 45-85A, OHMIC	60309THA
17	Shield Cup Body, 100-125A, OHMIC	60309THC

TEC.MO.®

AIR FILTER AT1000



**Suggested
replacement:
WEEKLY**

Air Filter Complete Code: 50500

Packaging:

Air Filter AT1000

Code: 50500-12

Carton Box: 12 Filters

Dimensions: 11" x 16.5" x h. 17.3"
(cm 28 x 42 x h. 44)

Weight: 43 lbs (19.5 kg)

Filter Cartridge

Code: 50505-8

Carton Box: 8 Cartridges

Dimensions: 8.58" x 8.58" x h. 9.61"
(cm 21.8 x 21.8 x h. 24.4)

Weight: 4.2 lbs (1.9 kg)

Code: 50505-48

Master Box: 8x6=48 Cartridges

Dimensions: 17.72" x 26.38" x h. 10.43"
(cm 45 x 67 x h. 26.5)

Weight: 26.7 lbs (12.1 kg)

"AT 1000" is the perfect solution to the problems created by the contamination of the compressed air used in many plasma cutting systems.

It eliminates "sputter" caused by moisture and oil from compressed air lines.

It extends the electrode and nozzle life, with obvious benefits to the cut quality.

Designed to remove aerosol oil and moisture, "AT 1000" is a real benefit, entrapping particles as small as .01 microns inches.

With "AT 1000" torches last longer. Without this filter, at the end of this cutting session, inside the torch and torch head you have left condensed moisture, that can cause a short-circuit, with consequent rise of costs coming from the replacement of the torch head and the needed time to realize this operation.

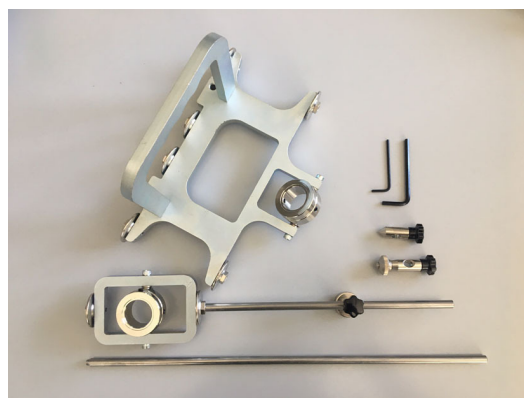
"AT 1000" can filter up to 1250 liters a minute without reduction in pressure.

It's recommended to replace the filter cartridge every 5 to 7 days (max).

It's also very suitable for painters and use of pneumatic tools.

Our excellent knowhow in the production of plasma cutting torches and the consequent problems of air contaminant brought us to create the "AT 1000" being very effective and important for users of plasma cutting systems.

BEVEL TOOL

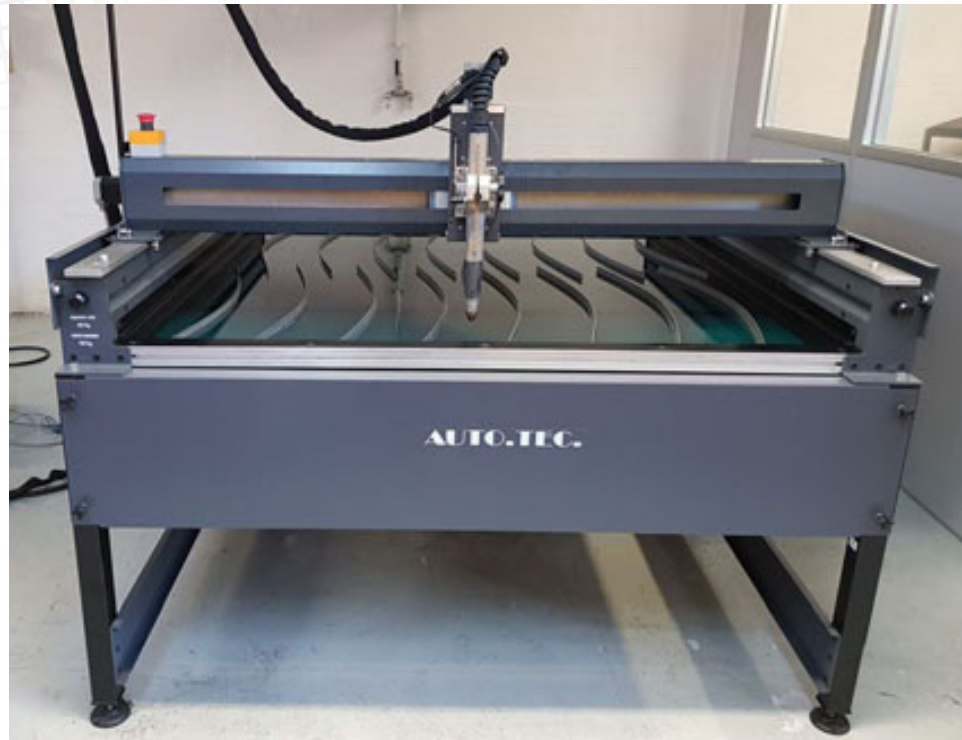


Code	Description
51880	PMAX1000/1250/1650® - PMAX45/65/85/105® - TEC.MO.® PT40, PT60, PT80, PT105Plus, TH70, TH125, PH70, PH125.
51887	TEC.MO.® PT-100



CNC Plasma Water Table

Ask for more specific information



- Eliminates the need for the suction hood
- Preserve the cutting table technical and mobile parts from rust corrosion
- Solves the problem of rust in the finished piece
- Catches 98 % of fumes and dust
- Absorbs the majority of sparks

BIOLOGICUT

Water Table fluid



Code	Description
50005	BIOLOGICUT WATER TABLE FLUID (5 LT.) / 1 BOX X 4 PIECES / DIMENSIONS: 44x30xH30 (KG. 20)

TEC.MO.
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**Quality
Technology
Innovation**