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# IPTEC

## OUR BEST IGNITER



**IPTEC CO.,LTD.**

# 1994년 창사 이래 IGNITOR 분야에서 기술력과 고객만족을 바탕으로 한 품질경영이 아이피텍(주)의 경쟁력입니다.

IPTEC's technical prowess in the sector for all types of ignitors and quality management backed by client satisfaction since its founding in 1994 are at the core of IPTEC's competitive advantage.

## Greeting

안녕하십니까?

1994년 창사 이래 각종 점화기기 분야에서 최고의 기술력과 고객만족을 바탕으로 한 품질경영이 저희 아이피텍(주)의 경쟁력입니다.

아이피텍(주)는 세계시장에서 인정받은 품질의 경쟁력을 바탕으로 변화하는 시장요구와 고객의 소리에 귀 기울이며, 기술과 품질로서 고객에게 보다 나은 가치를 제공하고자 최선의 노력을 다하고 있습니다.

최고의 품질만이 미래를 보장한다는 품질 경영 방침아래 혼연 일체가 된 전 임직원의 의지와 노력으로 세계시장과 고객으로부터 신뢰받는 기업, 미래 지향적인 기업이 되기 위해 최선의 노력을 기울이겠습니다.

지속적인 성장과 발전할 수 있도록 성원 해 주신 모든 분들께 아이피텍(주)의 전 임직원을 대표하여 깊이 감사를 드립니다.

Welcome to IPTEC!

IPTEC's technical prowess in the sector for all types of ignitors and quality management backed by client satisfaction since its founding in 1994 are at the core of IPTEC's competitive advantage.

With the advantage of IPTEC's product quality and its recognition in the global market, the company is responsive to the changing market demands and its client's voices and is working its best to provide better values to serve its clients in terms of technology and quality.

With the concerted determination and effort of every executive member in light of IPTEC's quality management policy, which follows that only the best quality can guarantee the future, IPTEC will do its best to become a future-thinking company that is trusted by the global market and clients.

I, on behalf of all members of the IPTEC executive team, wish to express my deepest gratitude to everyone who supported our company, enabling its consistent growth and development.

대표이사 **김영백**

Kim Young-Paek, CEO of IPTEC CO., LTD.

## Governance

IPTEC, Electronic Ignitor Manufacturer



## History

- 1994. 12 아이피텍(주) 설립  
IPTEC CO., LTD. was founded
- 2003. 01 점화코일 어셈블리 특허등록  
Patent registered for ignition coil assembly
- 2004. 06 ISO 9001 품질경영 시스템 인증 취득  
Acquired ISO 9001 quality management system assurance certification
- 2005. 03 INNO\_BIZ 기업 지정(중기부)  
Acquired ISO 9001 quality management system assurance certification
- 2010. 04 가스용 점화트랜스 5기종 CE, CSA 규격인증 취득  
Acquired CE, CSA standard certification for 5 types of ignition transformers for gas
- 2012. 09 고주파형 점화기기 특허등록  
Patent registered for high-frequency ignitor
- 2013. 03 기업 부설연구소 설립  
Established affiliated research laboratory
- 2013. 12 오일용 점화트랜스 4기종 CE, CSA 규격인증 취득  
Acquired CE, CSA standard certification for 4 types of ignition transformers for oil
- 2015. 03 직접수출 개시(미국, 일본, 중국)  
Launched direct export to the U.S., Japan, and China
- 2016. 06 수출유망 중소기업 지정(SMBA)  
Designated as a promising small export business by the SMBA
- 2016. 07 Pre-Star 기업 지정(대구광역시)  
Designated as a Pre-Star Business by the Daegu Metropolitan City
- 2016. 12 중소기업청장 표창  
Awarded commendation from the Director of SMBA
- 2017. 09 개량구조 점화트랜스 특허등록  
Patent registered for improved structure ignition transformer
- 2017. 10 국무총리표창 수상  
Awarded the Prime Minister's Commendation
- 2019. 10 점화트랜스 자동검사 시스템 특허등록  
Patent registration for ignition transmission automatic inspection system
- 2020. 12 점화트랜스 자동납땜 시스템 특허등록  
Registration of patent for ignition trans automatic soldering system
- 2021. 12 300만불 수출탑 수상  
Awarded the '3-Million-Dollar Export Tower'
- 2022. 05 글로벌 강소기업 지정  
Designation of Global Small and Medium Businesses

# 산업 재산권 Patent

재산권명	발행처	등록번호	등록일자	세부권리사항
특허	특허청	제10-1784458호	2017.09.27	개량된 조립구조를 갖는 점화트랜스
특허	특허청	제10-2174830호	2020.12.31	점화트랜스 제조용 자동 납땜 시스템
특허	특허청	제10-2035309호	2019.10.16	점화트랜스 자동검사 시스템

Property Rights	Issued by	Registration No.	Registration Date	Details of Rights
Patent	Patent Office	10-1784458	Sept. 27, 2017	Ignition Trans With Improved
Patent	Patent Office	10-2174830	Dec. 31, 2020	Automatic soldering system for ignition trans manufacturing
Patent	Patent Office	10-2035309	Oct. 16, 2019	Ignition Trans Automatic Inspection System

# 특허, 인증 및 표창 Patents, Certifications and Awards



특허증  
점화트랜스 자동납땜 시스템  
a patent certificate  
Automatic soldering of  
ignition trans System



특허증  
점화트랜스 자동검사 시스템  
a patent certificate  
Ignition Trans Automatic  
Inspection System



특허증  
개량된 조립구조를 갖는 점화  
트랜스  
a patent certificate  
Ignition Trans With Improved



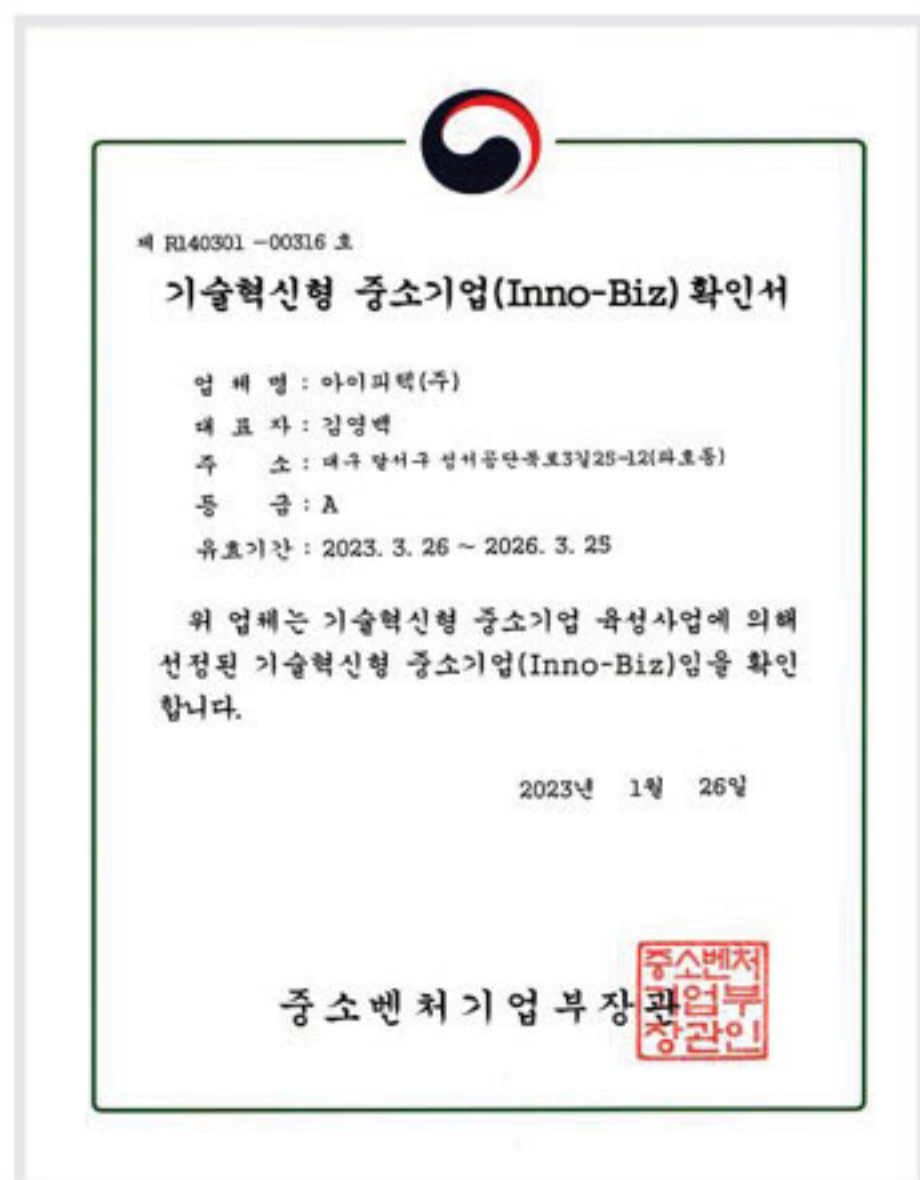
Pre-스타기업(대구광역시)  
Free-Star Company  
(Daegu Metropolitan City)



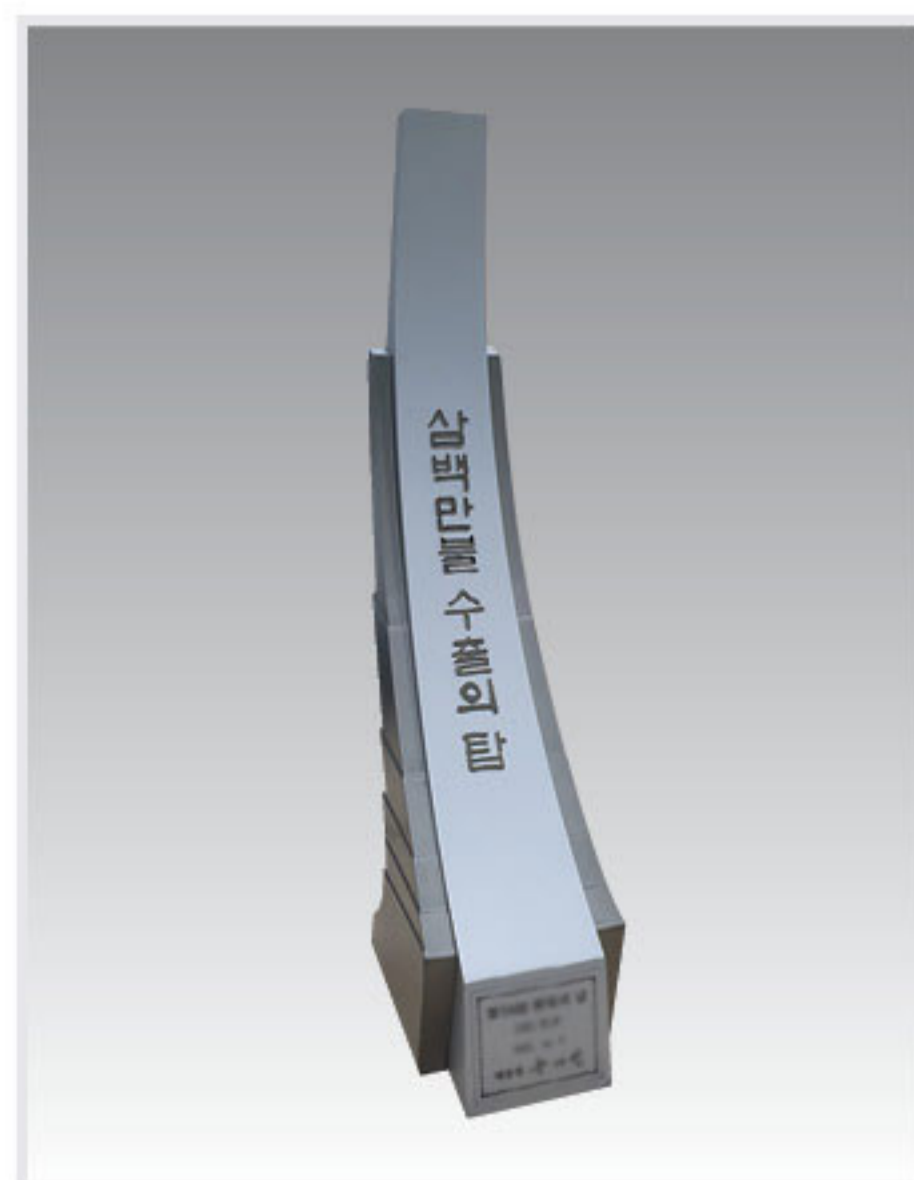
글로벌강소기업  
Small and medium-sized  
global companies



ISO 9001



INNO-BIZ 확인서  
INNO-BIZ a confirmation letter



300만불 수출의 탑  
3 Million Dollar Export Tower



Certification-CE  
IPO-230S/IPGS-230S



Certification-CSA  
IPO-120S/IPGS 120S

## | Major Exporting Country |

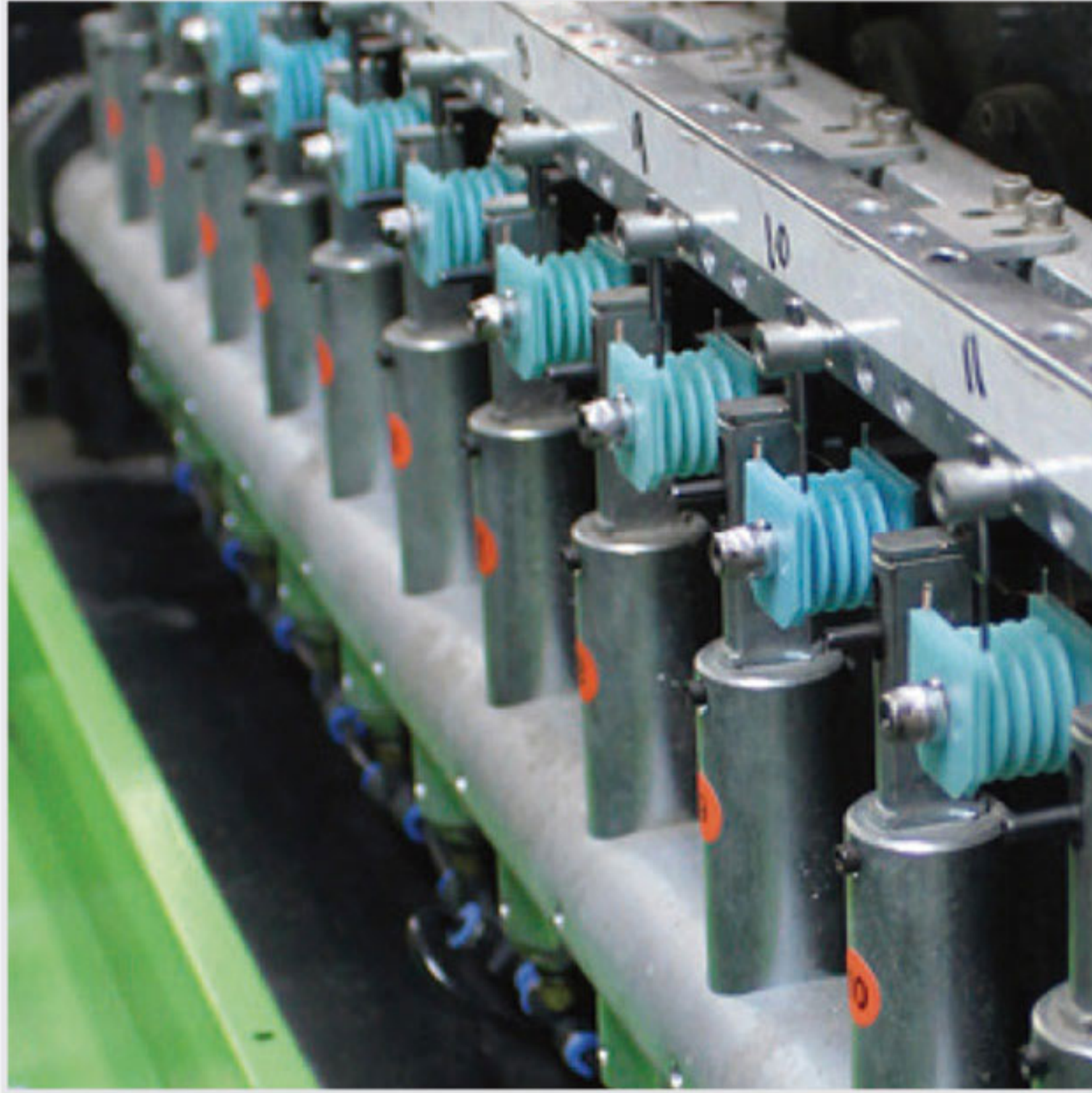


### 주요 고객사 Major Clients

# Manufacturing Processes

## 권선공정 Winding Process



CNC 자동 권선기를 적용한 권선공정  
Winding process using CNC automatic winding machine

CNC 자동화 장치를 적용한 코일의 권선 공정으로써 회전 수에 비례하여 고전압을 발생시키는 중요한 단계  
As a coil winding process that uses a CNC automation device, it is a critical stage in generating a high voltage relative to the number of rotations.

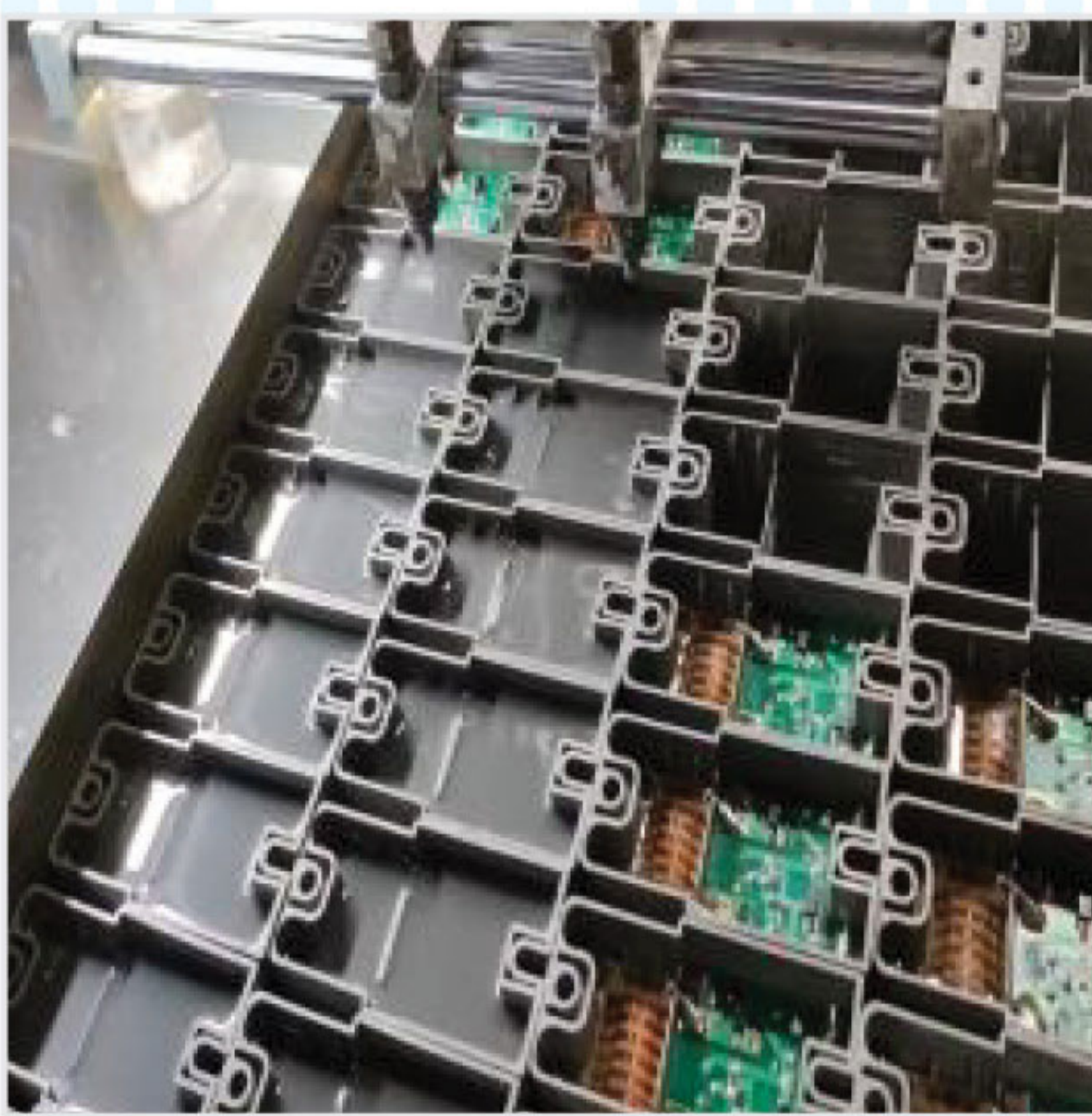
## 하네스 공정 Wire Harness Process



Wire의 탈피, 압착작업 공정  
Wire stripping and crimping process

점화트랜스 고전압 출력 케이블과 연결 터미널 사이의 압착공정  
Crimping process between high voltage output cable of ignition transformer and connection terminal

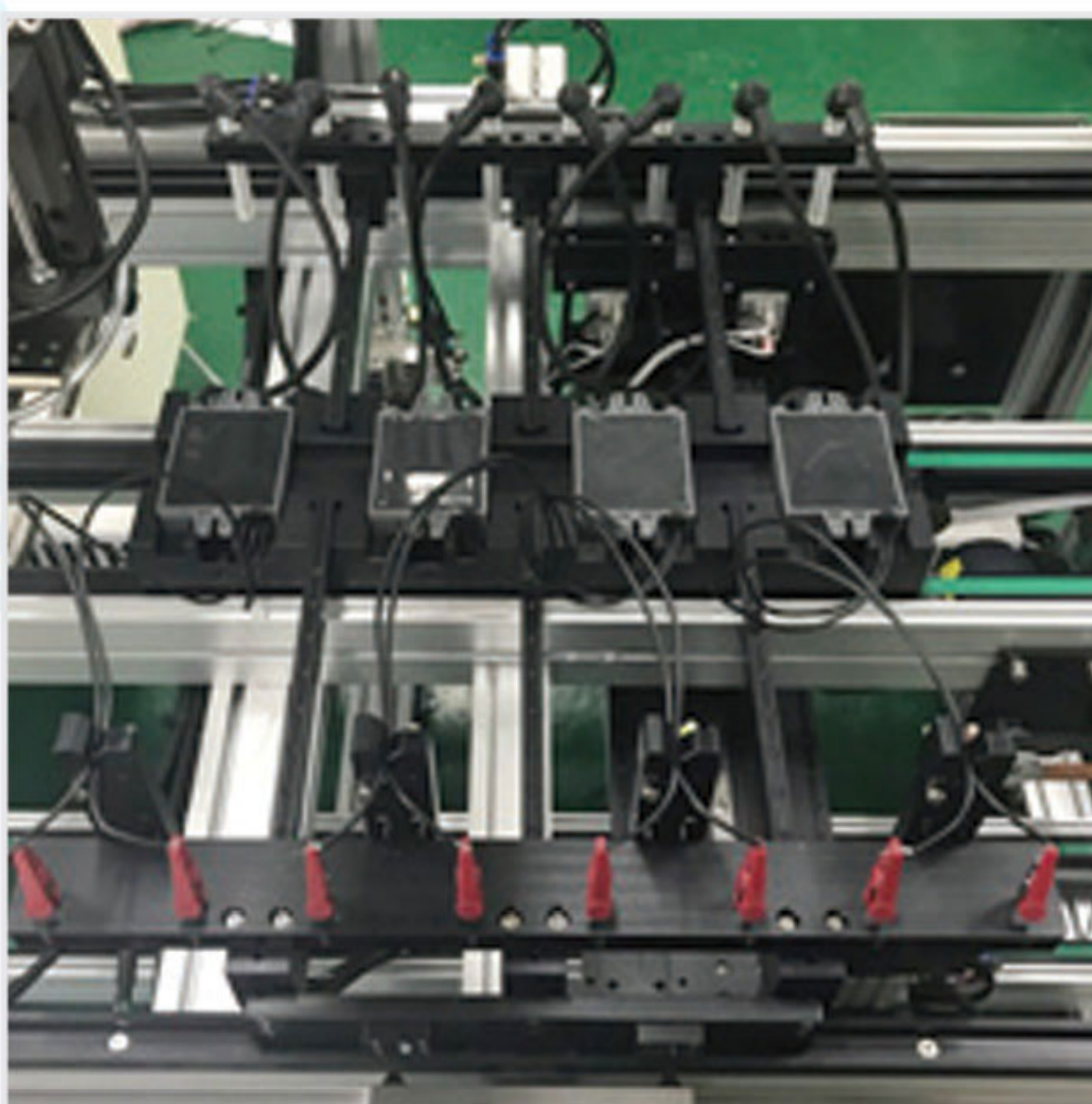
## 단열 공정 Adiabatic Process



자동 토출시스템에 의한 절연물 충전 및 탈포 공정  
Insulation filling and defoaming process by automatic discharge system

제품의 절연공정, 내부방전의 방지와 안정적인 출력값을 유지하기 위한 중요 공정  
A critical process for product insulation process, prevention of internal discharge, and maintaining stable output value

## 검사 공정 Inspection Process



반제품, 완제품의 2중 검사시스템 및 샘플링 에이징시험 공정  
Double inspection system and sampling aging test process for semi-finished and finished products

출력전압, 전류, 주파수 등의 정상 동작 범위를 결정하기위한 성능 검사공정 및 자체 신뢰성 확보 시험공정  
Performance inspection process to determine the normal operating range of output voltage, current, frequency, etc. and self-reliability test process

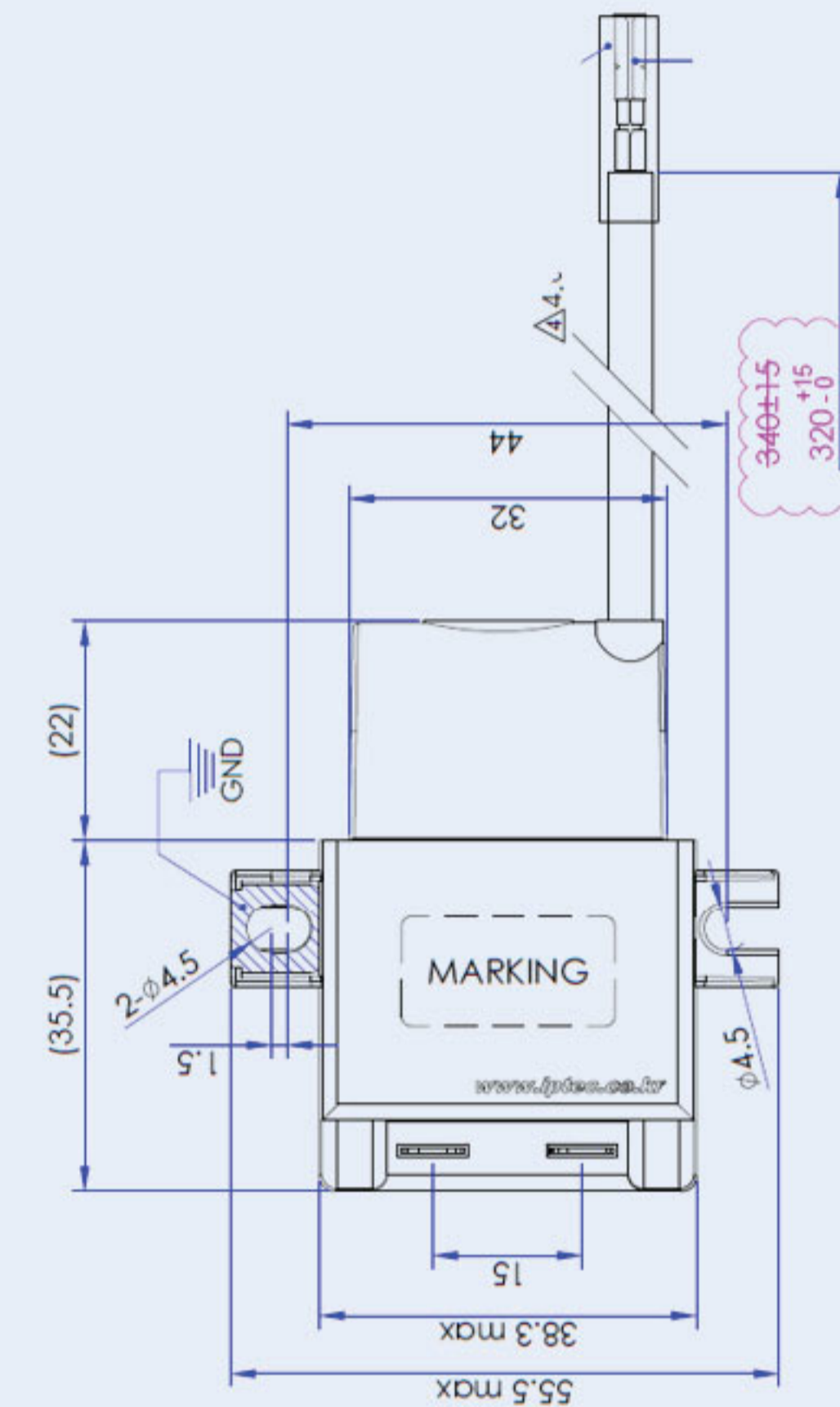
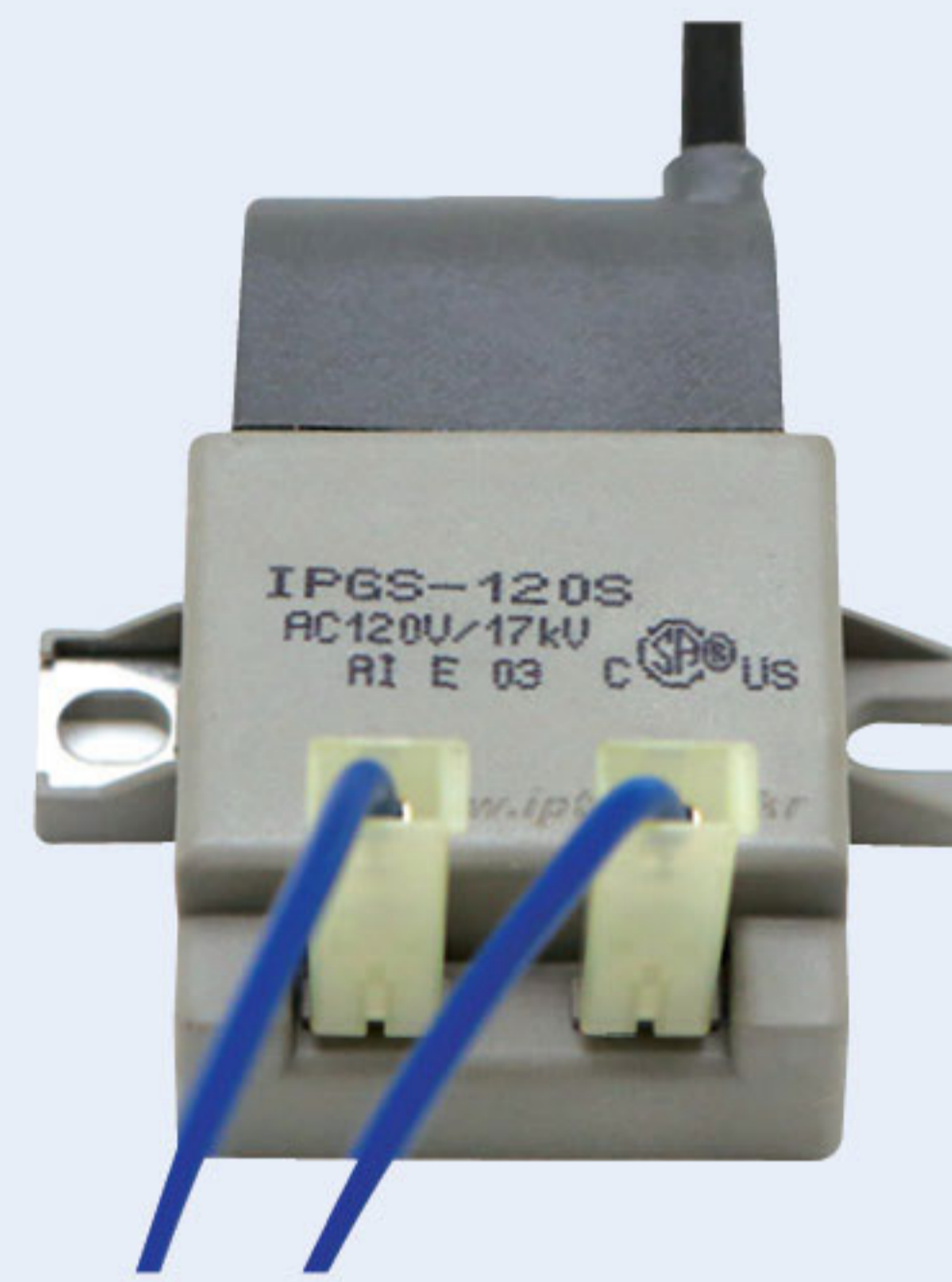
# Products

## Gas용 점화기기 / Ignitors for Gas

### 1. 슬림제품 / GAS Slim Type-1

- | 입력전압 | AC 100~120V  
AC 220~240V
- | 출력전압 | 12~23kVo-p
- | 출력전류 | 2~9mA

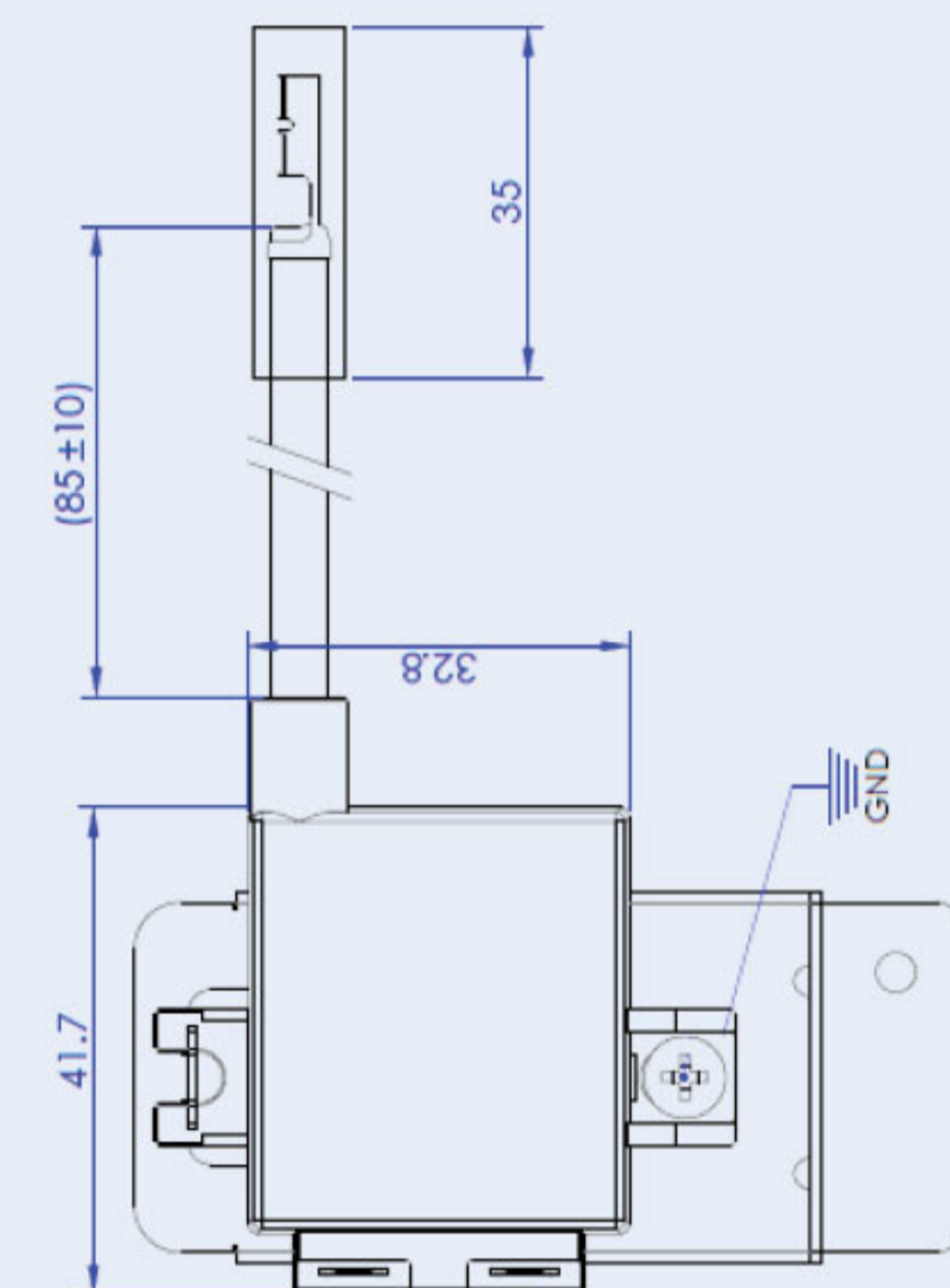
- | Input voltage | AC 100~120V  
AC 220~240V
- | Output voltage | 12~23kVo-p
- | Output current | 2~9mA



### 2. NCB300모델 1폴, 2폴 / Type-2 NCB300 Model (1 pole, 2 poles)

- | 입력전압 | AC 100~240V
- | 출력전압 | 20kVo-P ±3kV
- | 출력전류 | 7mA±3mA

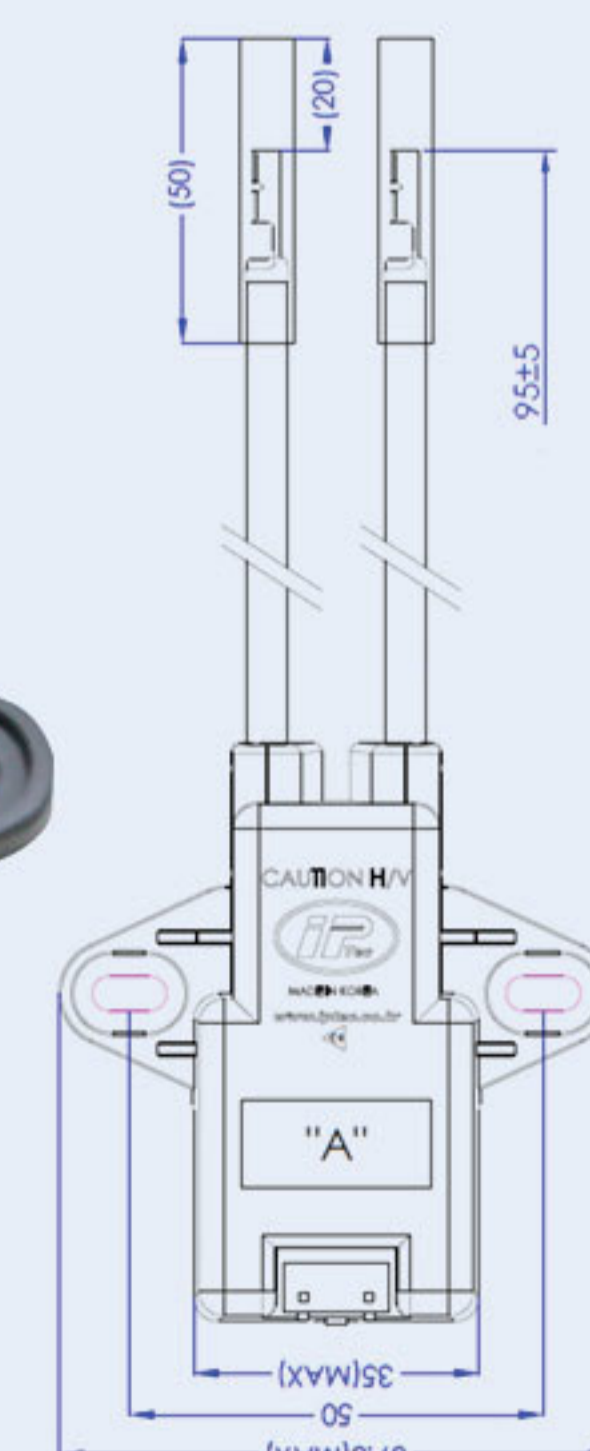
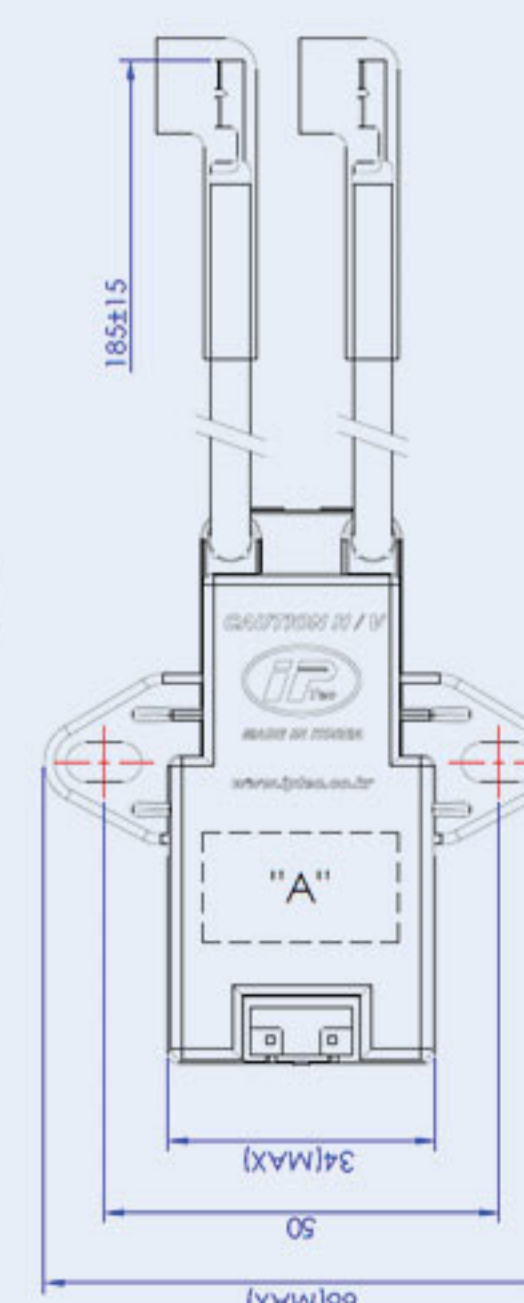
- | Input voltage | AC 100~240V
- | Output voltage | 20kVo-P ±3kV
- | Output current | 7mA±3mA



### 3. NPE.TOK모델 / Type-3 NPE.TOK Model

- | 입력전압 | AC 120V / AC 220V
- | 출력전압 | 19kVo-P±2kV
- | 출력전류 | 11mA / 7mA±2mA

- | Input voltage | AC 120V / AC 220V
- | Output voltage | 19kVo-P±2kV
- | Output current | 11mA / 7mA±2mA



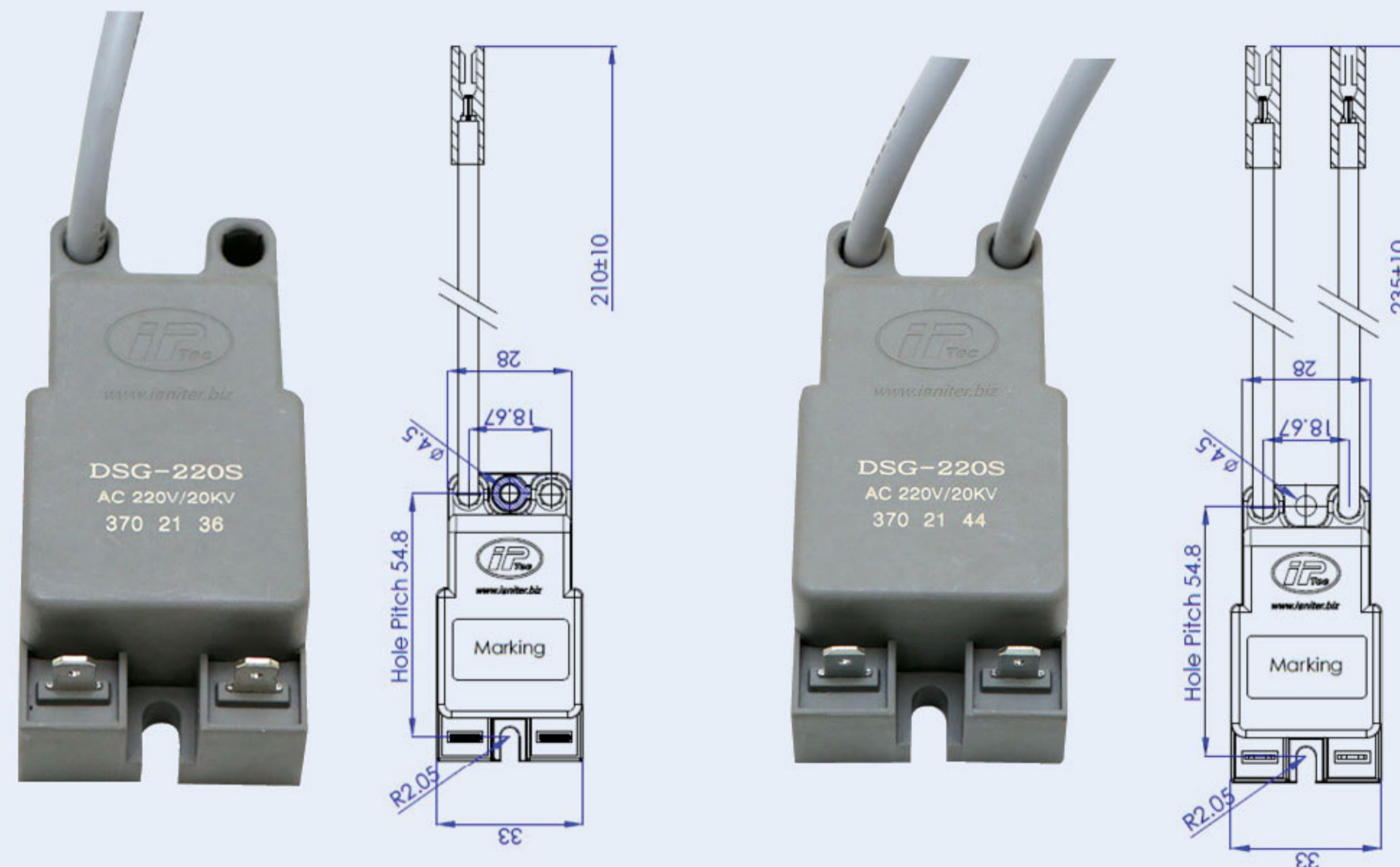


## Gas용 점화기기 / Ignitors for Gas

### 1. 대성셀틱제품 / Daesung Celtics Type-1

- | 입력전압 | AC 100~240V
- | 출력전압 | 19kVo-P±2kV / 21kVoP±2kV
- | 출력전류 | 7mA±3mA

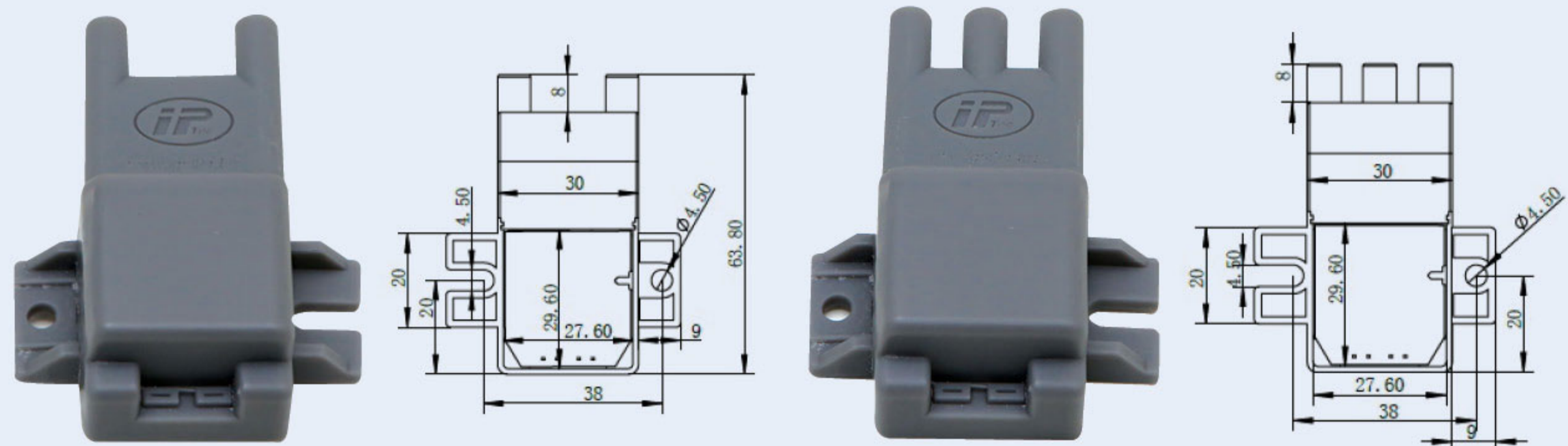
- | Input voltage | AC 100~240V
- | Output voltage | 19kVo-P±2kV / 21kVoP±2kV
- | Output current | 7mA±3mA



### 2. 가스 쿡탑용 2구, 3구 / Type-2 for Gas Cooktops (2 burners, 3 burners)

- | 입력전압 | DC 1.5~12V,  
AC 100~240V
- | 출력전압 | 18.0kVo-p±4kV

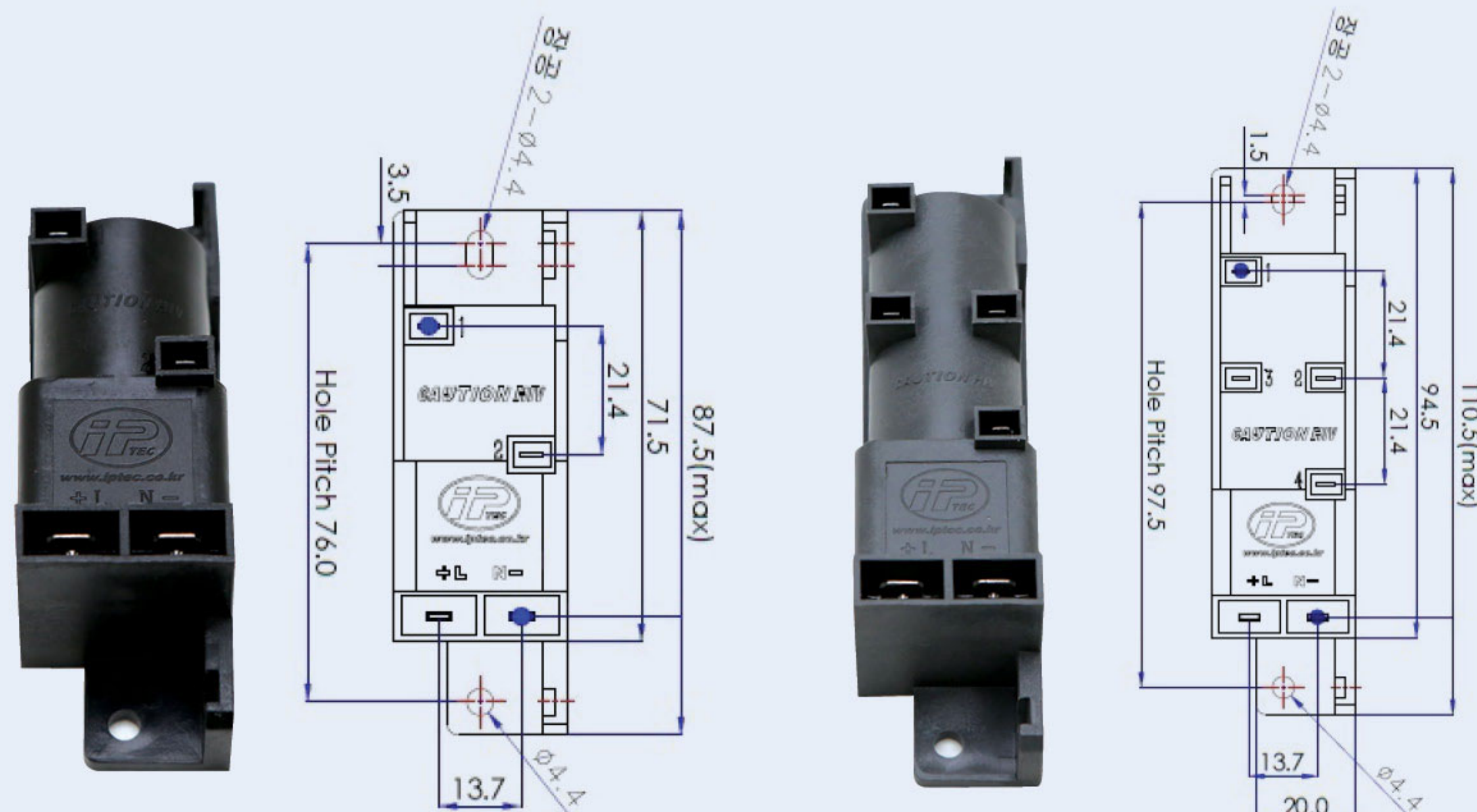
- | Input voltage | DC 1.5~12V,  
AC 100~240V
- | Output voltage | 18.0kVo-p±4kV



### 3. 쿡탑 2구, 4구 / Type-3 for Gas Cooktops (2 burners, 4 burners)

- | 입력전압 | DC 1.5~3.0V  
AC 100~240V
- | 출력전압 | 18kVo-P±4kV

- | Input voltage | DC 1.5~3.0V  
AC 100~240V
- | Output voltage | 18kVo-P±4kV



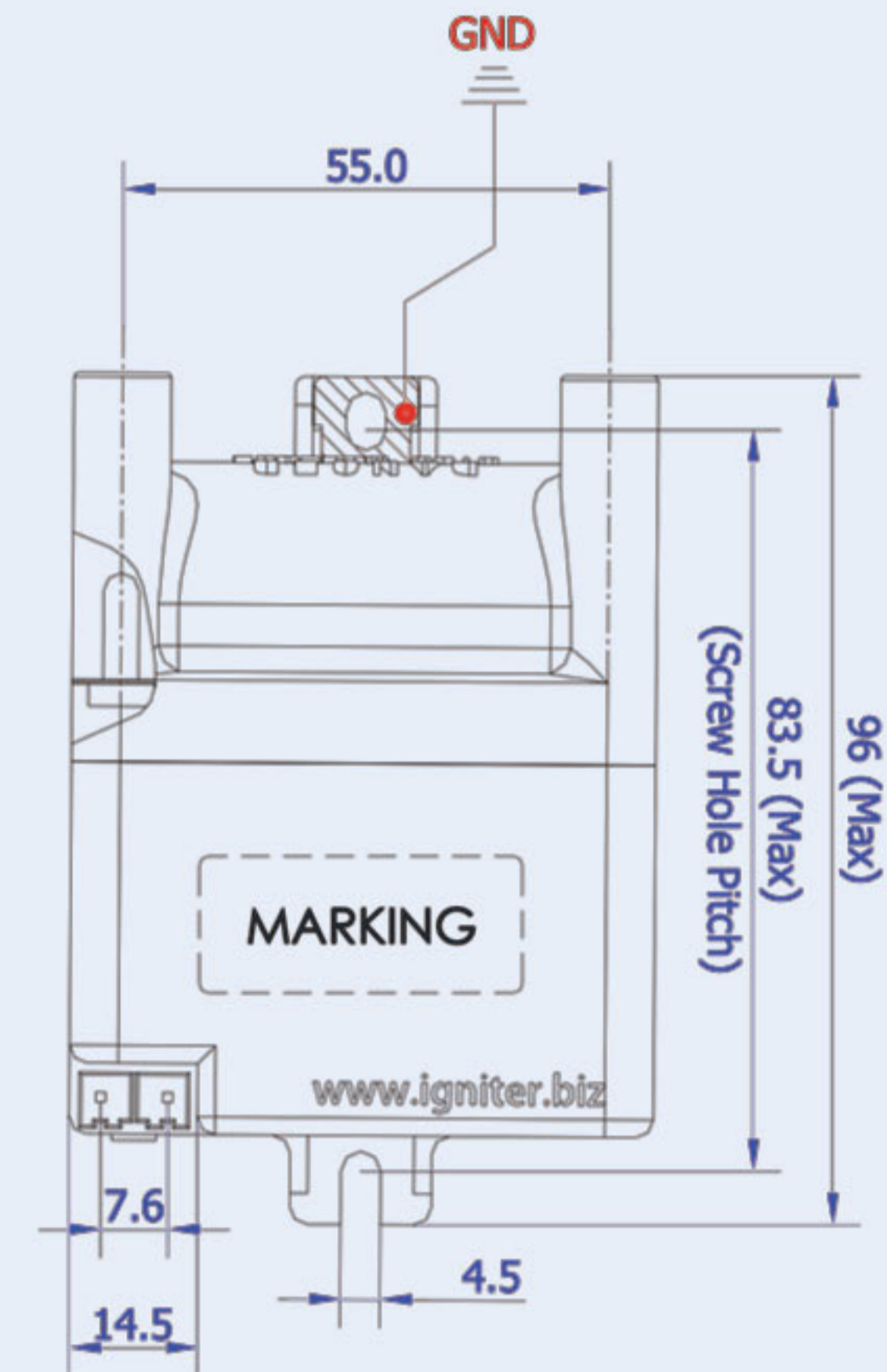
# Products

## | 이용 점화기기 / Ignitors for Oil

### 1. RBC 제품 / RBC Type-1

- | 입력전압 | AC 100~120V / 50,60Hz  
AC 220~240V / 50,60Hz
- | 출력전압 | 19kVo-p ± 5kV
- | 출력전류 | 30mA ± 5mA

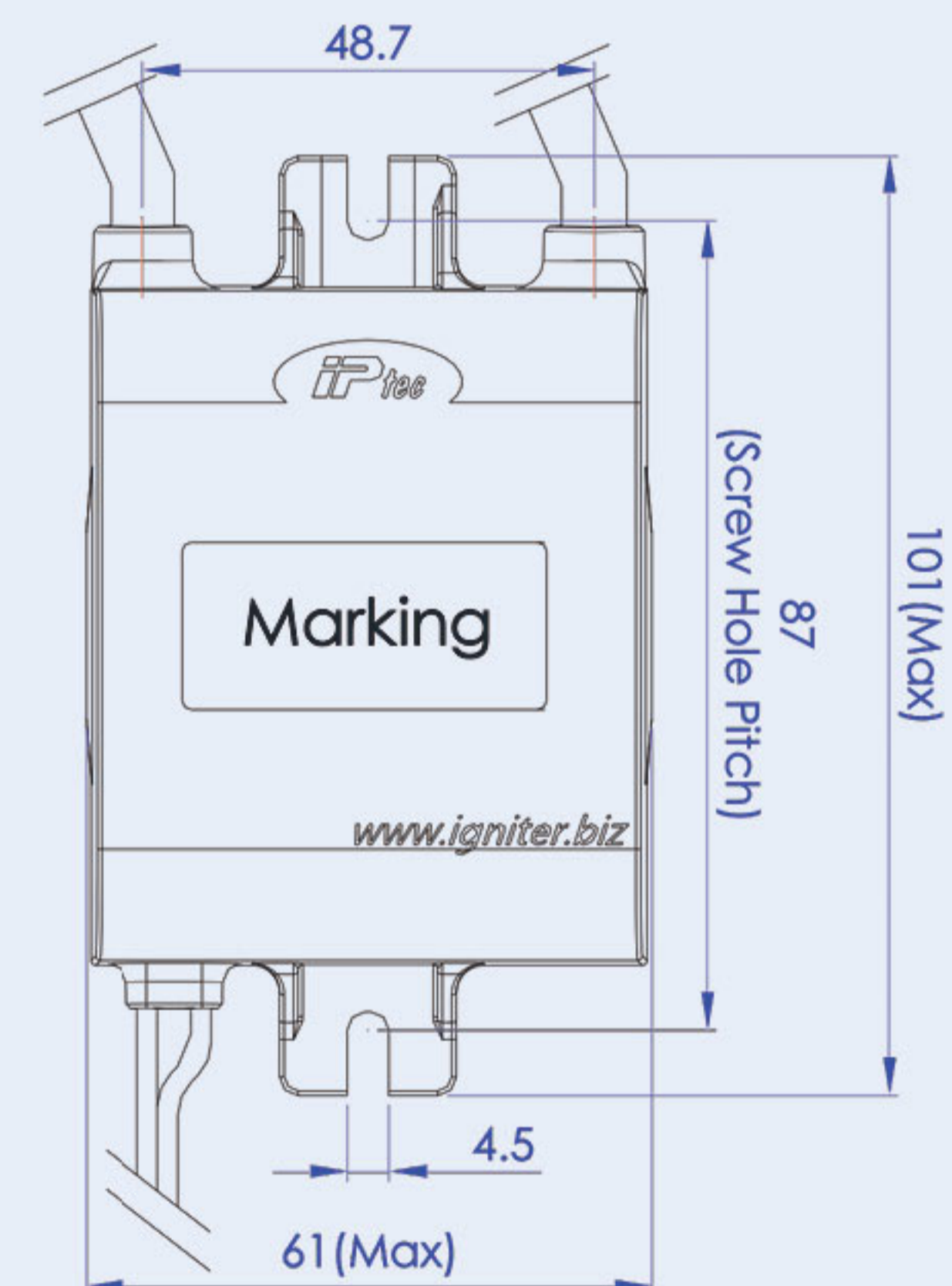
- | Input voltage | AC 100~120V / 50,60Hz  
AC 220~240V / 50,60Hz
- | Output voltage | 19kVo-p ± 5kV
- | Output current | 30mA ± 5mA



### 2. IPO 제품 / IPO Type-2

- | 입력전압 | AC 100~120V / 50,60Hz  
AC 220~240V / 50,60Hz
- | 출력전압 | 16.5kVo-P
- | 출력전류 | 22mA

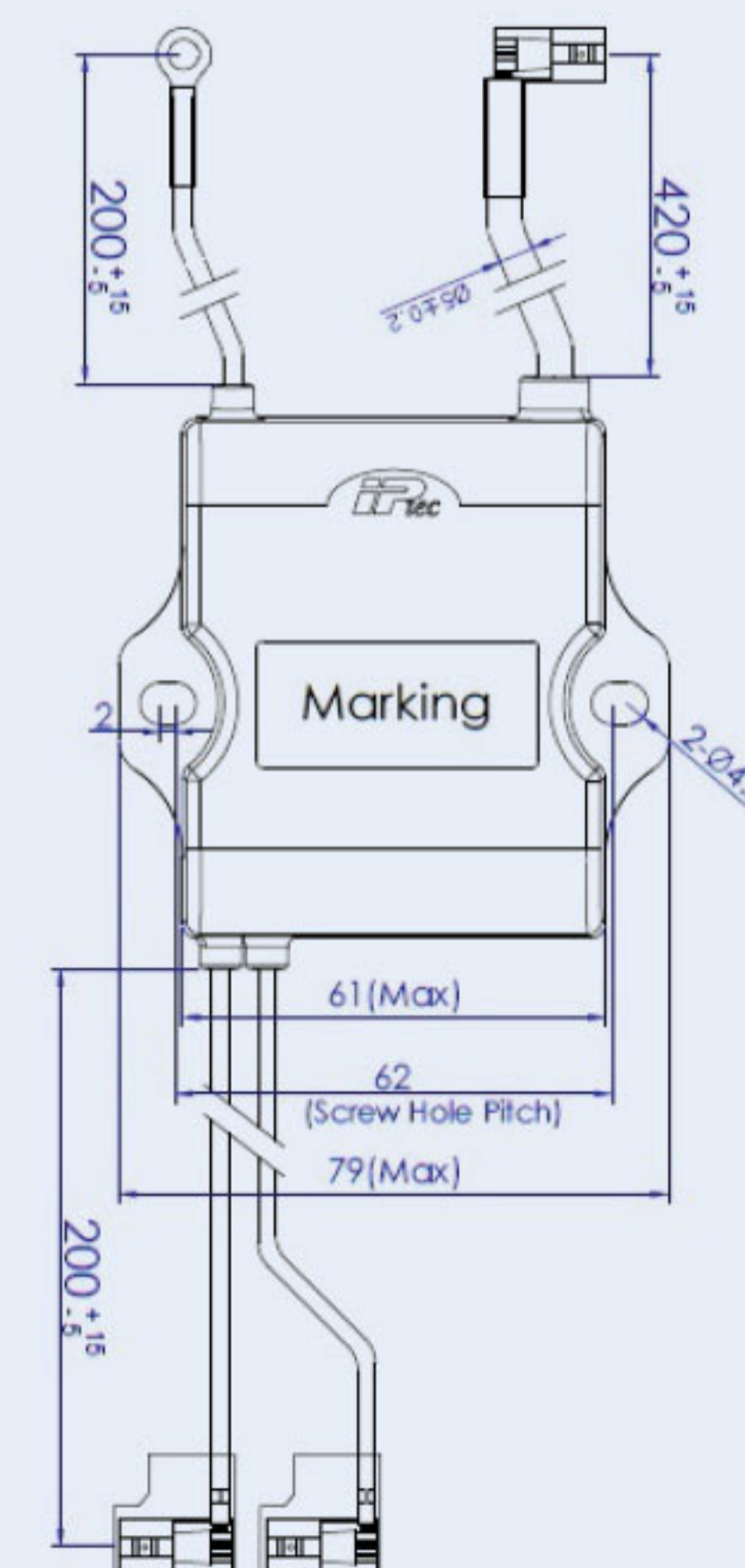
- | Input voltage | AC 100~120V / 50,60Hz  
AC 220~240V / 50,60Hz
- | Output voltage | 16.5kVo-P
- | Output current | 22mA



### 3. Ripo 제품 / Ripo Type-3

- | 입력전압 | AC 100~120V / 50,60Hz  
AC 220~240V / 50,60Hz
- | 출력전압 | 21kVo-P±3kV
- | 출력전류 | 37mA±3mA

- | Input voltage | AC 100~120V / 50,60Hz  
AC 220~240V / 50,60Hz
- | Output voltage | 21kVo-P±3kV
- | Output current | 37mA±3mA



## | 이용 점화기기 / Ignitors for Oil

### 1. GF(1폴타입) 점화기 / 1TYPE GF (1Pole) an igniter

| 입력전압 | AC 100~120V / 50,60Hz  
AC 220~240V / 50,60Hz

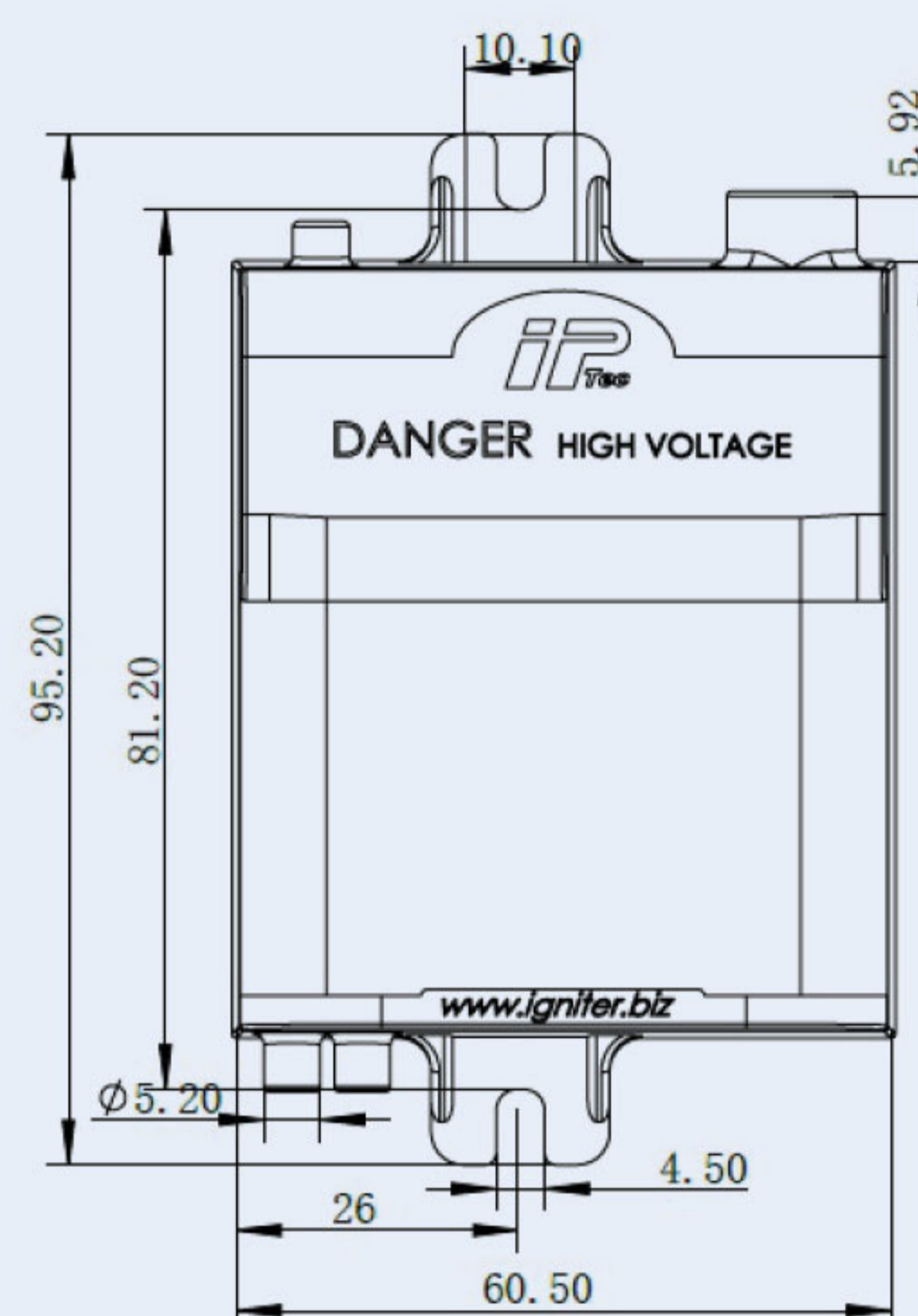
| 출력전압 | 18.5kVo-p ± 10%

| 출력전류 | 30mA ± 2mA

| Input voltage | AC 100~120V / 50,60Hz  
AC 220~240V / 50,60Hz

| Output voltage | 18.5kVo-p ± 10%

| Output current | 30mA ± 2mA



### 2. 대형점화트랜스 / Large Ignition Transformer Type-2

| 입력전압 | AC 220V

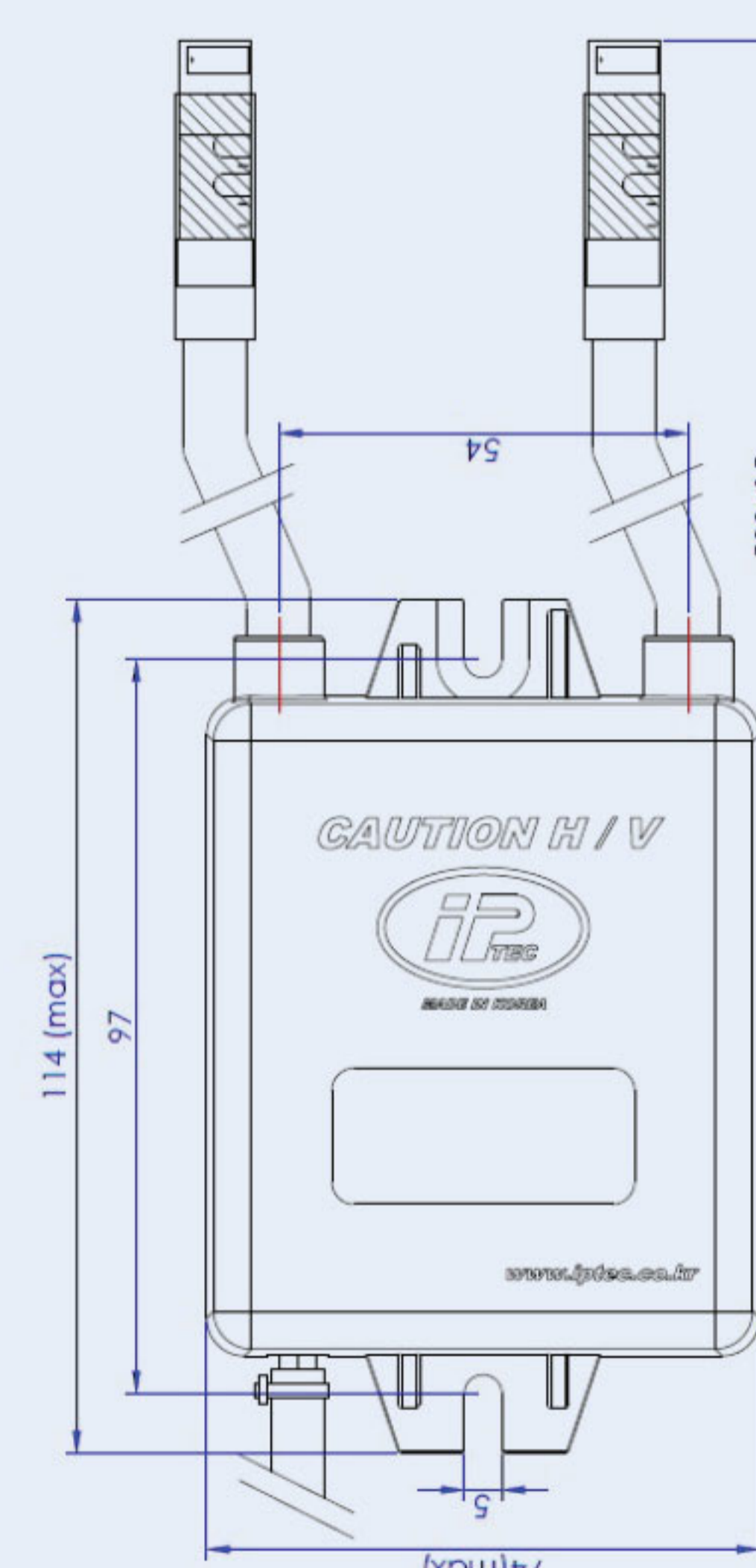
| 출력전압 | 18kVo-P±2kV

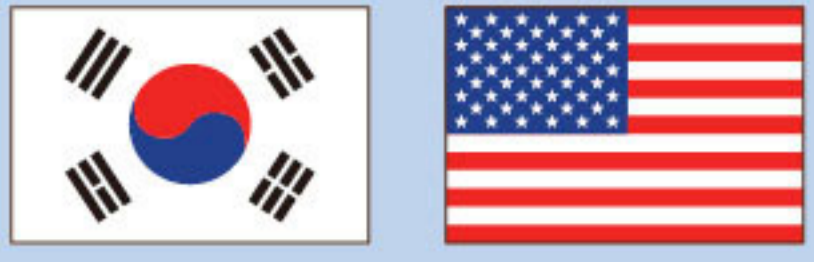
| 출력전류 | 40mA±3mA

| Input voltage | AC 220V

| Output voltage | 18kVo-P±2kV

| Output current | 40mA±3mA





***OUR BEST IGNITER***



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