

1064nm Handheld Raman Analyzer

ATR6600Pro

Feature:

- 1064nm Fluorescence resistance;
- Non-Destructive, Fast Detect & Identify, One-touch Operation;
- Advanced algorithm, mixture detection;
- HD 5.5" Capacity touch screen, smooth operation system;
- 13-mega Camera;
- Barcode & QR scan
- Precision GPS positioning;
- Multiple modes of 4G, GPS, GPRS, Bluetooth, WIFI
- Self-Built Spectral Library
- Test results report export pdf
- Built-in Li battery continuous operation 4-6hrs
- Lightweight (950g) , easy-to-take
- IP-67

Application:

- Public Safety; Food Safety;
- Dangerous Chemicals Detect at High Speed Train, Metro Entrance
- APIs & Pharmaceutical Excipients;
- Gemstones & Materials ID, Mineral sorting
- Experimental Research;
- Antique authentication;

Description:

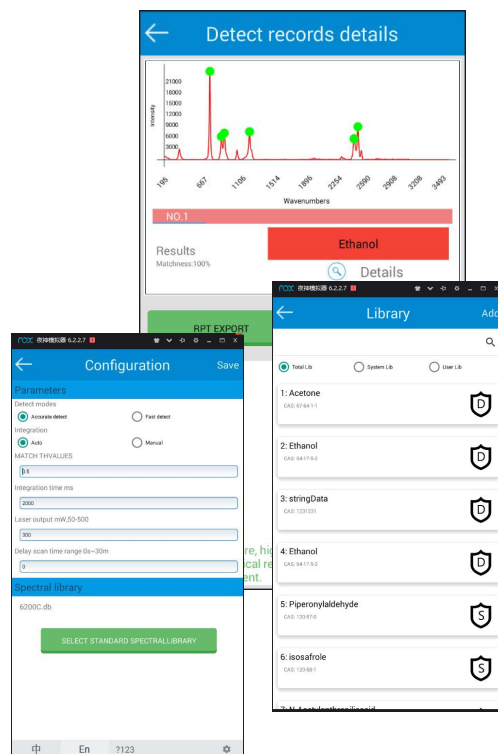
The ATR6600Pro is the 5th generation of 1064nm handheld Raman analyzer based on the 20-year experience in developing Raman system.

The ATR6600Pro uses free-space technology, high throughput optical circuit structure and signal processing technology, which improve the scan speed as fast as 4 times. The compact size make it less than 900g convenient to take to any field to perform Fast ID.

Excellent spectral identification algorithm are embedded in Handheld Raman spectrometers to easily identify substance, and enable users to add their own spectral data. It employs Android system , simple interface, 5.5" high definition screen, 13-mega camera taking evidence pictures in the field, multiple modes of inbuilt WIFI, Bluetooth, GPS etc.

Optosky provides full technical support and services, including spectral library building, method & verification, IQ/OQ/PQ validation, 21CFR PART 11 etc.

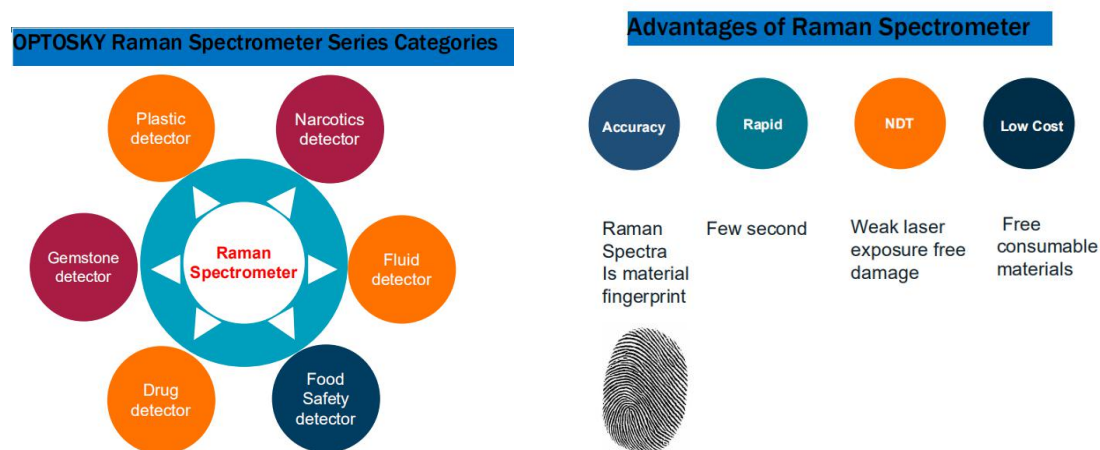
Intelligent Mobile Set Available in Your Hand!



ATR6600 System			
Feature	Excel at Fluorescence Resistance		
Operate System	Android		
Excitation Wavelength	1064 ± 0.5nm		
Wavenumber Range	200-2500 cm-1		
Resolution	8-15cm-1		
Touch Screen	5.5", 1920×1080, Multi-point touch control		
Detector	TE cooled InGaAs		
Size	220×110×45mm		
Weight	950g		
Interface	WIFI, USB Type-C, Bluetooth, GSM		
Model & Library	Item	Spectral Library	Application
	ATR6600Pro	Self-built Spectral Library	Scientific Research
	ATR6600ProDH	Narcotics drugs: Heroin, Cocaine, Metamphetamine, Ketamin... Precursor: (-)-ephedrine, Chloroform, Diethyl ether... Explosives: TNT,RDX,TATP, Ammonium nitrate... Hazardous chemicals : Sulfate, Gasoline, Nitric acid, Toluene... Food Safety: Illegal food additives, residues of pesticide, veterinary drugs	Police Customs Metro Court Prison Public Safety
	ATR6600ProPH	APIs, excipients...	Pharmaceutical Factory
	ATR6600ProGM	Gemstones: Diamond, Agate, Emerald...	Gemstones
	ATR6600ProIN	Chemicals, Plastics, Rubber, Polymer, Synthetics	Industrial Application
	ATR6600ProFTN	REMIFENTANIL, Brifentanil, Lofentanil, Trefentanil, Ocfentanil,Carfentanil, alfentanil, Mirfentanil, D5 FENTANYL-D5, ALFENTANIL HYDROCHLORIDE, SUFENTANIL CITRATE, Fentanyl Citrate, over 40 categories	Public Station
Export Report	Test results report export pdf, txt including detect result, spectral info, evident pictures		
Battery	4-6 hour continuous operation		
Charging Type	USB Type-C		

Operating Temperature	-20 – 50 °C
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1 Application & Advantages




1 Raman Application & Advantages

2 Optosky Raman Technology Milestones




















2 Optosky Raman Spectrometer Milestones

3 Raman Spectrometers Family

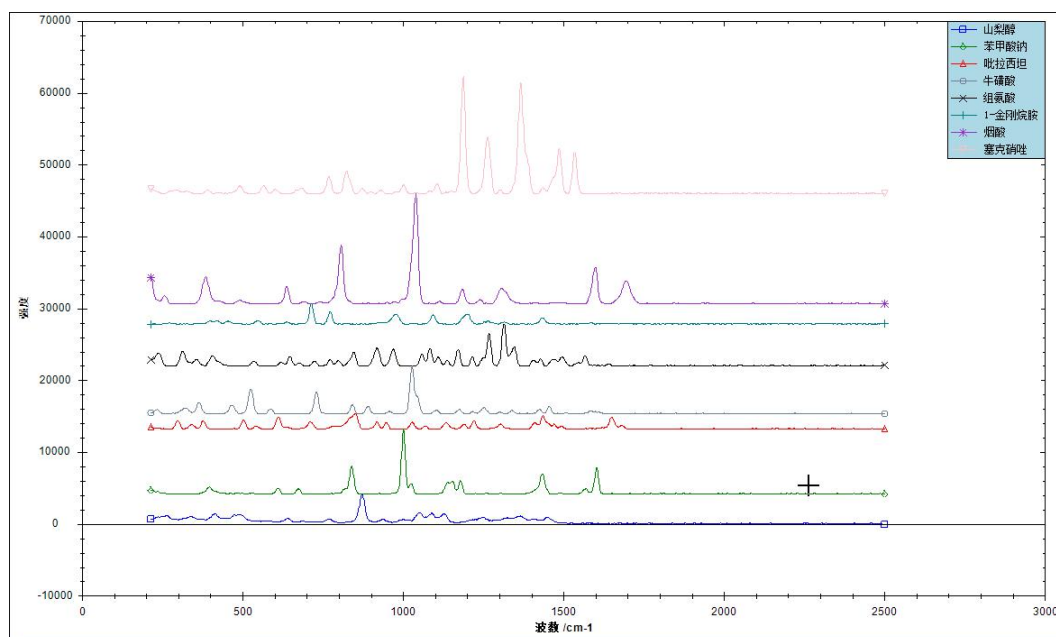


Raman Spectrometer Series

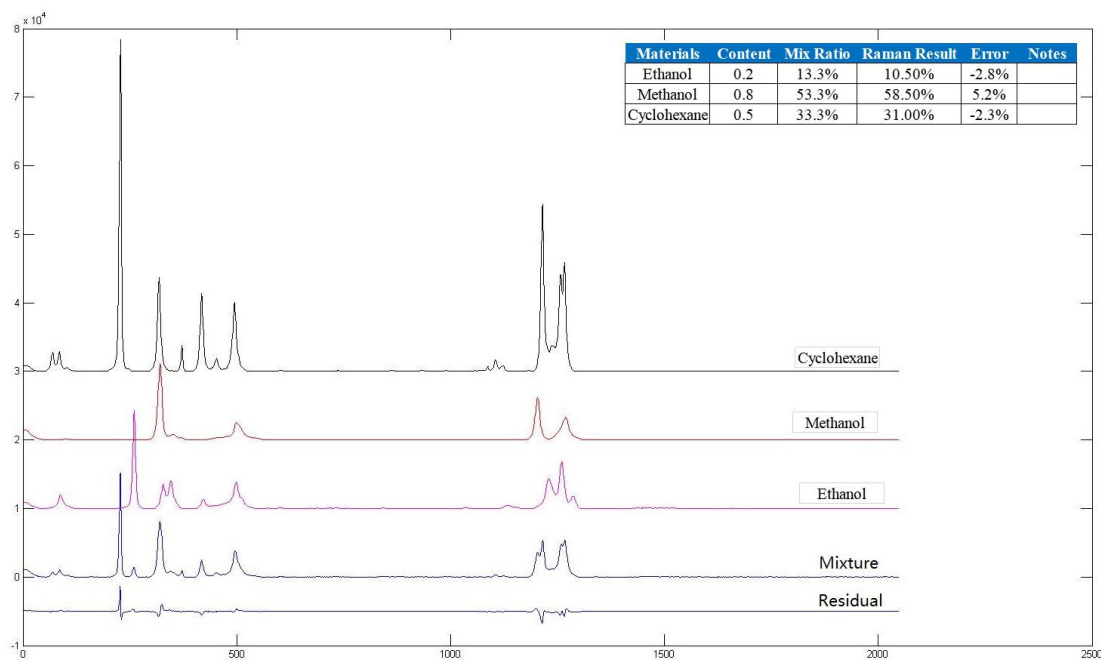
				
Scientific-Grade Raman Microscope Quadriband ATR8800 Series	Tri-band Raman Microscope ATR8500 Series Confocal Raman Microscope	Raman Microscope ATR8300 Series	High Troughput Raman ATR8000	
				
ATR3110	ATR3000	ATR3000FD	ATR 3200	
Portable or Benchtop Raman				
				
ATR6600 Pro Super Speed 1064nm	ATR6600 1064nm	ATR6500CH 785nm	ATR6500CH 532nm	ATR6500 785nm
Handheld Raman Analyzer				
				
Mini portable Raman ATR1600	Teaching Raman ATR1200	Mini portable Raman ATR2500	Underwater Raman ATR3700	

3 Raman Models Selection

4 ATR6600Pro Spectra Example



4 ATR6600Pro measured Spectra of Sorbitol, Sodium Benzoate, Piracetam, Taurine, Histidine, Amantadine, Niacin, Secnidazole



5 ATR6600Pro Mixture Spectra

5 Company Profile

Optosky company is a first-class spectroscopy solution provider, with the headquarter locates in the 7th floor of the research institute of the Chinese Academic of Science at an area of 2500 square meter in Xiamen city where successfully held the international 9th BRICK summit in 2017. The subsidiary company locates in Wuhu city with an area of 2035 square meters.

The company founder Dr. Hongfei, Liu graduated Doctor degree from the Chinese Academic of Science and postdoctoral degree from Xiamen University, by integrating both of top Universities' spectroscopy technology background into Optosky company aiming at developing the leading spectroscopy equipment in the world.

The company bases on unique technologies of Optomechatronics, Spectroscopy Analysis, Process Weak Optical and Electrical Signals, Cloud Computing, and have been developed wide products line of the competitive Raman spectroscopy instruments, micro spectrometer, hyperspectral imager, field spectroradiometer, fluorescence spectroscopy, LIBS etc. Driven by advanced technologies and products, Optosky brand has been well-known to customers all over the world.

Optosky company base on technology innovation, market-driven direction, customer first, provides first-class products and services, and one-stop solutions to many fortune 500 companies in many industries. The company received praise from different industry companies, as well as many innovative intellectual properties, software copyright, qualification certification, and winner awards over hundred numbers.

Optosky receives top class A introduced the high-tech company to international Xiamen city, the national high-tech and new innovative technology company award. The founder Dr.Hongfei Liu receives the innovation talent award by the ministry of science and technology.

The company is currently conducting the exclusive project of major industrialization national oceanic administration with a total fund of five million us dollars. The company in charge of drafting national industry standard of VNIR and SWNIR Field Spectroradiometer, and six national standard drafters, including China National Standard Drafter for Hazmat detector based on Raman spectroscopy, China National Standard Drafter for Buoy-type Monitor eco-environment, China National Standard Drafter for water quality monitor in the unmanned boat, China National Standards drafter for online water quality monitor by spectroscopy, China National Standard Drafter for UV-absorbent measure fabrics.

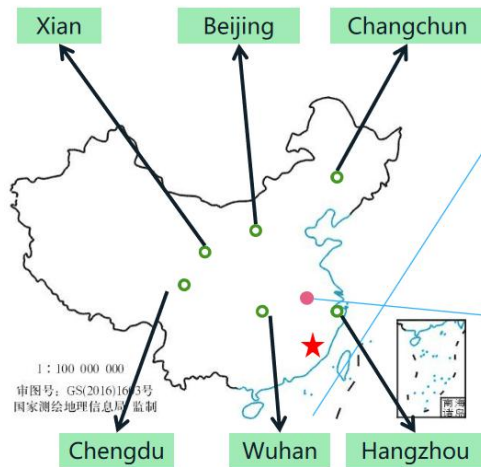
The company has over 70 IPs and over 20 innovative patents.

The company received ISO9001:2015 certification, CE certification, Police Administration Certification, FDA approval compliant, IQOQPQ compliant.



9 Optosky (Xiamen) Photonics Inc. Company Headquarter

Company Area



★ Headquarter ● Subsidiary ○ Office

Optosky (Xiamen) Photonics Inc.

- Business: Spectroscopic instruments (Raman, FieldSpec, HyperSpec, Environmental Measure, Industrial Measure etc.)
- Area: 2500 m²
- R&D>50 person



KHJC (Wuhu) Informatonal Tech Inc.

- Business:
- Oceanic Instrument
 - Geological Information Instruments
 - Drone Hyperspec Remote Sensing Analysis
- Area: 2035 m²



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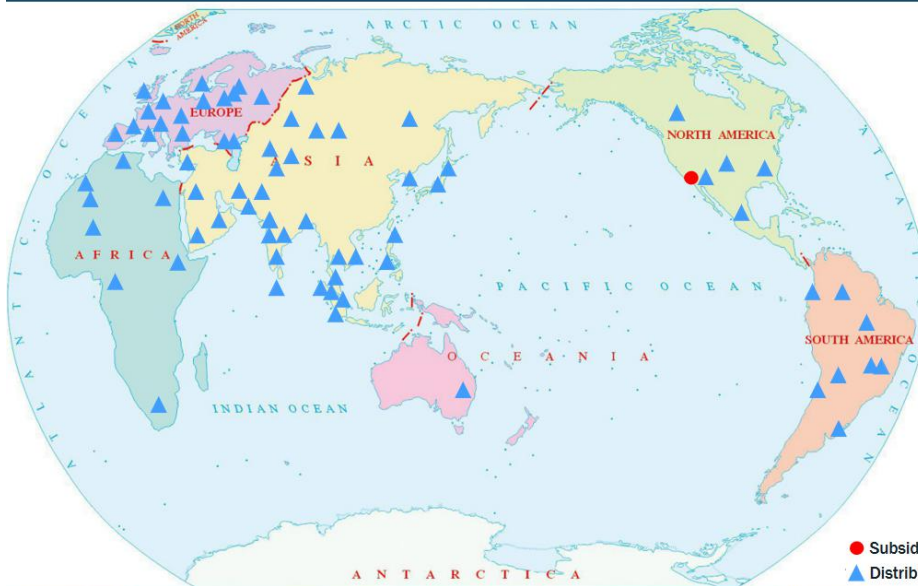
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10 Optosky Company Area

Oversea Market Shares



Export to
53 countries



>230
Distributors



31%
Sales Share

● Subsidiary
▲ Distributors

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11 Oversea Market Shares

Optosky Chair and Draft National Standards Lists:

Chair Drafter
National Industry Standard Of VNIR & SWNIR
Field Spectroradiometer



China National Standard
Drafter for Buoy-type Monitor
eco-environment



China National Standard
Drafter for water quality
monitor in unmanned boat



China National
Standard
Drafter for
Raman
spectrometer



China National
Standard Drafter for
Hazmat detector
based on Raman
spectroscopy



China National Standards
drafter for online water
quality monitor by
spectroscopy



China National Standard Drafter
for UV-absorbent measure fabrics

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12 Optosky Chair and Draft National Standards Lists.

Qualification



ISO9001:2005



GB/T 23001
Informationization
& Innovation



CE, RoHS, LVD
17 models



Police
Approval
11 models



GB/T 29490
IP implementation



5 Innovative patents



35 patents
new utility design



32 Software
copyright

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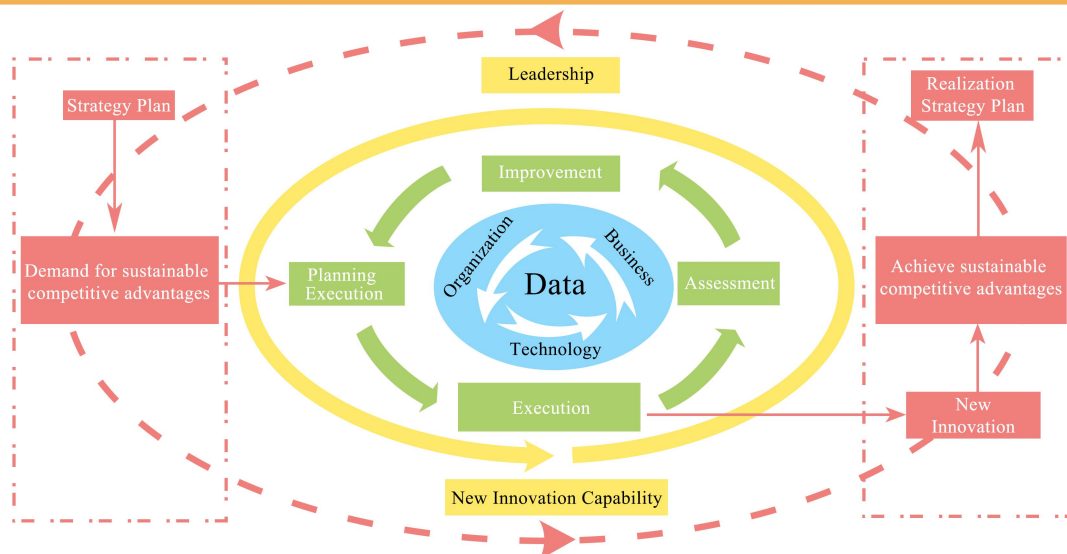
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13 Qualification

Informationization & Industrilization Fusion Management System



14 GB/T 23001_Informationization & Industrilization Fusion Management System

Co-Founder—Dr. Hongfei Liu



Postdoctoral Hongfei Liu

- Selected "Innovative Talent" by Science and Technology ministry
- Top Class A Talent by Xiamen City
- CCTV Science & Technology Interview
- Fortune 500 experience in Agilent, II-VI

Honors

- Selected by science & technology ministry as "Innovation Talent"
- CCTV Science & Technology Interview
- Top Class A Talent credited by Xiamen City
- Innovation Hero**

Education

- PhD • Chinese Science of Academic • Prof. Gui-Lin Chen, Originator in spectroscopy
- Postdoctoral • Xiamen University • Prof. Zhong-Qun Tian guided by the SERS founder M.Fleischmann

Career

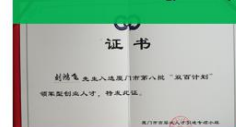
- Engineer → R&D Manager → GM
- Agilent**, Leader of instrument, Fortune 500 company, Job: engineer
- II- VI Incorporated (Nasdaq: IIVI) leader in optical & electrical industries, Job: GM of Instrumentation and Automation

Academic

- University graduate tutor
- obtain more than 60 IPs, more than 10 Innovation patents;
- Publish more than 20 papers, 2 recorded SCI, 8 recorded EI



Selected "Innovative Talent" by Science and Technology ministry



Top Class A Talent by Xiamen City



Founder & Tutors

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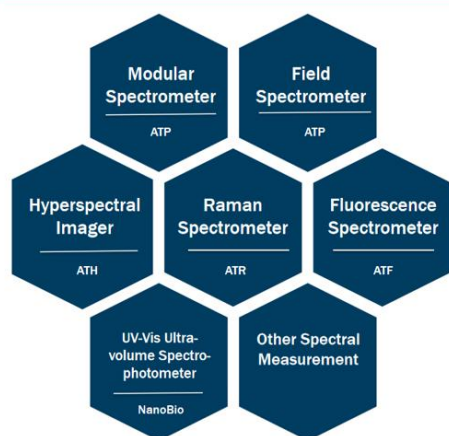
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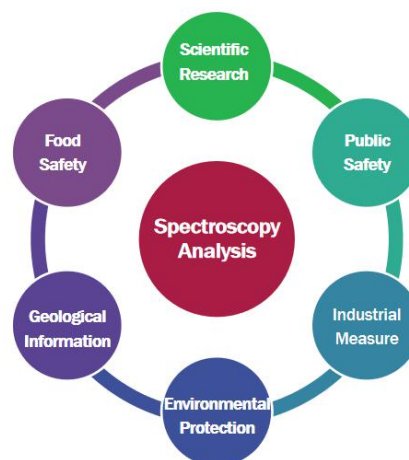
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15 Optosky's Co-founder_Dr. Hongfei Liu

Category



Application



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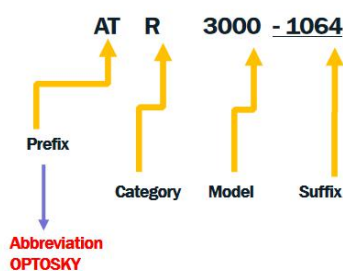
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16 Category & Application

Model Name Rule

Model Name Rule:

- Prefix
- Category
- Model
- Suffix



- **ATR** – Raman Spectrometer
- **ATP** – Micro Spectrometer
- **ATH** – Hyperspectral Imager
- **ATF** – Micro Fluorescence Spectrometer
- **ATL** – LIBS
- **ATW** – Water
- **ATE** – Environment Protect
- **ATFD** – Food Safety
- **GA** – Public Safety (**Gong An**)
- **GF** – Gas Monitor (**Gas Finder**)
- **GY** – Industrial Monitor (**Gong Ye**)

eg:

- Raman Microscope: ATR8300MP-1064
- Hyperspectral Imager: ATH9500

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17 Model Name Rule