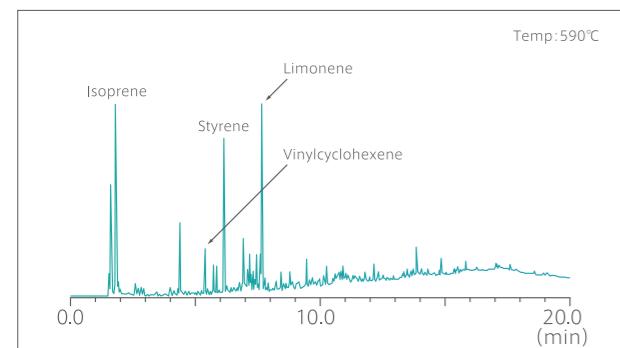


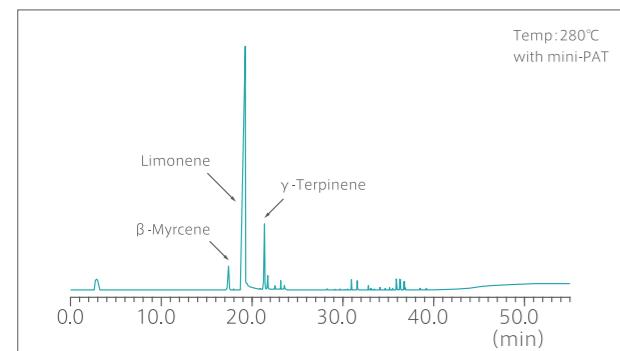
Applications

1 | Py-GC of vulcanized rubber



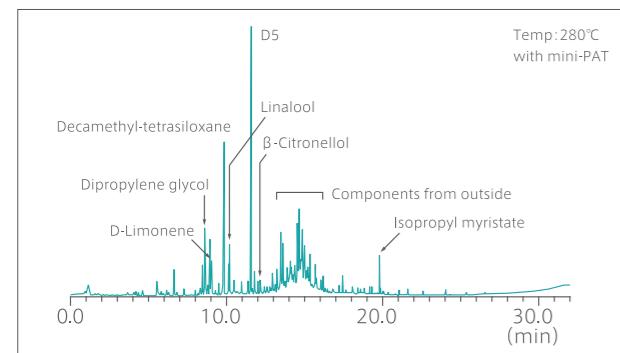
Excellent quantitatity as the sample tube and needle can be changed each time of analysis, especially for materials like vulcanized rubbers.

3 | Odor analysis of food



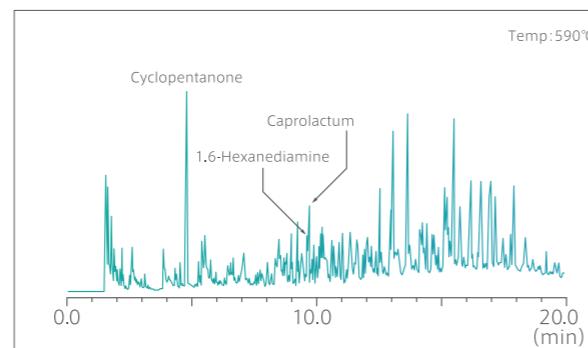
Analysis of flavor components of orange marmalade.

5 | Indoor atmosphere analysis



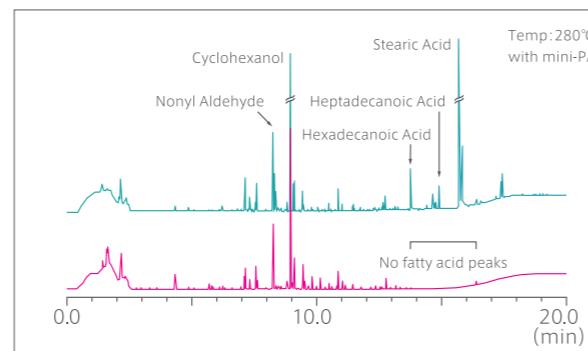
Analysis of indoor atmosphere collected by JAS-50MP air sampler. Cosmetics components were detected.

2 | Py-GC of Nylon6.6



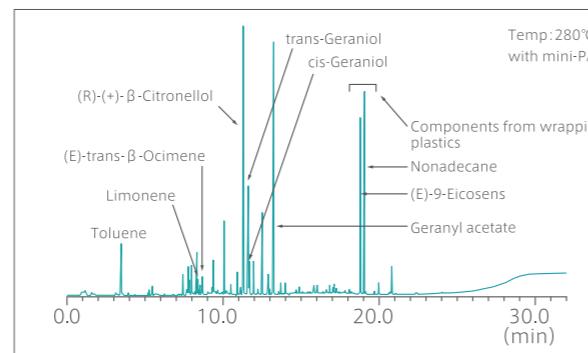
Higher preheating temperature prevents decomposition residues, which leads to better quantitatity and reproducibility for polymers like Nylon-6, -6.6, -10 and MXD, etc.

4 | Test of deodorant spray effectiveness



Odor analysis of underwear worn whole day, one was analysed as it is (above) and the other was analysed after deodorant was sprayed (below).

6 | Odor analysis of flower



Analysis of air nearby rose pistils collected by JAS-50MP air sampler.



Curie Point Injector JCI-77

for GC, GC/MS



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Visit our web site and contact us
<https://www.jai.co.jp/english>

Advanced portable pyrolyzer

New model with further consummated quantitativity, reproducibility and usability.

The world's first portable injector that is able to inject solid, liquid or VOC samples into GC/MS in the same manner as a micro syringe injection.

Features

Higher Preheating Temperature

Preheating temperature for sample tube (sample chamber) can be raised up to 250°C, 100°C higher than the previous model. Quantitativity and reproducibility have been further improved.

Improved Usability

You can start the entire analysis process with just one touch on [Auto Start] button. (No need to do it twice for preheating and sample injection any more.)

Sample Tube Baking Mode

Able to bake mini-PAT(TenaxGR). The baking procedure is preprogrammed and requires a simple one push of button.

Solvent Purge Mode

Able to remove water and/or solvent trapped in mini-PAT before analysis of VOC.

Various Usage

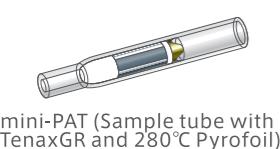
Pyrolyze analysis

Excellent composition analysis of synthetic polymers and vulcanized rubbers. Analysis of derivatization pyrolyze and evolved gas is also possible.



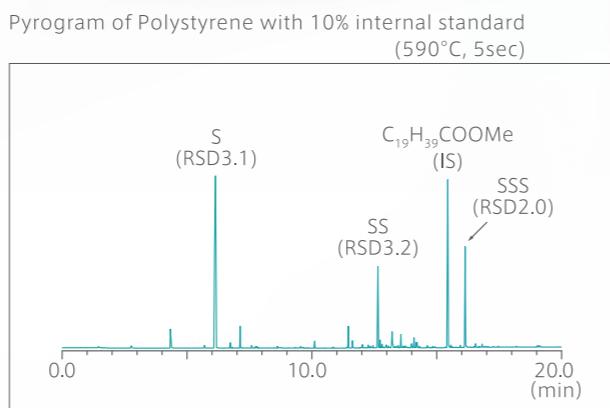
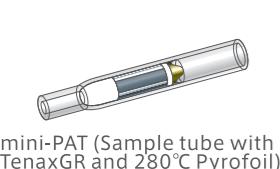
VOC analysis

For work environment air analysis and general odor analysis.



Outgas Analysis

For analysis of odors of cosmetics/food and gas evolved from electronic devices.



Indicator

Shows status

Start button

Completes operation with a single touch



Probe

Compact and easy to handle



Pyrofoils

Reaches to target temperature in 0.2 second (Temperature shown table below)



Needle

Pyrolyzed sample injected to GC port through the needle

Specifications

Probe	Curie point heating
Heating System	Pyrofoils from 160°C to 1040°C
Pyrolysis	250°C
Preheating	300°C (at the time of Curie point heating)
Transfer line (Needle upper part)	Quartz glass, OD 5.5mm, Length 36mm
Sample Tube	Needle (OD 0.47mm, Length 42mm)
Connection Cable	1.5m
Dimensions	OD 38mm, Length 160mm
Weight	110g
Power	Supplied from controller

Controller	48W, 600kHz
RF Power	5sec, 10sec, 15sec, 30sec.
Pyrolysis time	GC start signal
Output Signal	Analysis Mode
Mode selection	Baking Mode
Carrier Gas	Solvent purge Mode
Dimention	He or N ₂ (0.5MPa or more)
Weight	W140 x D347 x H246 mm
Power	7Kg
	AC85-240V 500VA(Max)

Standard accessories	
Sample Tube	4ea
mini-PAT with TenaxGR	1ea
Needle for JCI series	5ea
Sample Tube Guide	2ea
Pyrofoil*	1ea
Pyrofoil Set	1p/k
Foil Crimper	1ea
Titanium Tweezers	1ea
Flat Nose Pliers	1ea
Syringe for Needle Cleaning	1ea
Sample Tube Stand	1ea
GC Start cable	1ea

* Temperature can be selected

Optional accessories

Air Sampler JAS-50MP with mini-PAT fitting

Useful for collecting environmental odor components. Automatic collection completes with a few parameter setting.



JAS-50MP	
Flow rate	0.050-5.00L/min
Flow rate accuracy	±5% or less than 5mL/min
Dimensions	W95 x D56 x H95 mm without protuberance
Weight	0.45Kg including NiMH battery
Power	AC Adapter (100V AC), NiMH Rechargeable Battery NI-W5, 6 AA Batteries

Other optional accessories	
mini-PAT with TenaxGR	
Sample container for mini-PAT (180mL, PFA)	
Sample container for mini-PAT (100mL, Glass)	
Sample container for mini-PAT (50mL, Glass)	
Flow Controller FWC-77	
Outgas Collector (Refer to the separate catalog)	
Foil Folder	
Foil Crimper for Liquid Sample FC-10	