PlasTell BENCH

NEW!

Bench-mountable PlasTell for maximum integration and productivity

Using the same technology as our standard PlasTell, PlasTell Bench has adapted optics and mounting flanges.

Programmable LED

✓ PLA

This allows you to mount the device on a wooden or metal bench and seamlessly add infrared plastics identification to your sorting process.

NIR sensor

Use our Bench device to create a plastics sorting station (furniture sold separately)

Get in touch now!

hello@matoha.com
https://matoha.com

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Matoha

What will you scan next?

PlasTell
by Matoha

Plastics identification and sorting solutions

PlasTe🍼

Key features

✓ Complete solution - no additional accessories, libraries or subscriptions required

🤏 Super-easy to use

⚡ Instant identification of plastics (<1 sec)

🏷️ supports all common plastics, except carbon black pigmented

🍼🍼 transparent and opaque samples supported

☁️ Cloud-enabled for detailed insights and traceability

📲 Free iOS / Android app included

🧮 Identification library and algorithms included

📈 Scalable

Programmable LED

Example Applications

Plastic waste sorting Increase the value of your sorted plastics by using PlasTell - the 1 second identification time means that you can sort a large number of plastics quickly and accurately.

The programmable LED (below the screen) allows you to configure a particular colour for a particular composition (e.g. green for PET), so that your sorters can sort quicker.

Waste stream audit Use our app to record any additional information about each sample and then export all the results using the cloud interface, in an Excel-friendly format. This enables you to do field waste stream audits quickly and efficiently.

Research & education Use our machine to educate the public about the benefits and challenges of plastics recycling!

Technical Details

Operating Principle NIR transmittance-reflectance spectroscopy, within a band in the 1-2 μm range. On-board machine learning algorithms instantly interpret the results

Power supply Micro-USB power adapter or optionally, built-in rechargeable battery.

Connectivity Bluetooth LE (app connectivity) and 2.4 GHz Wi-Fi (to receive updates) & open source communication library.

Footprint 17x13x10 cm, 0.5 kg

Warranty One year standard warranty

The machine supports 25 plastics:

❯ PET	❯ PLA	❯ PEI
❯ PE	❯ PETG	❯ SAN
❯ PVC	❯ PU	❯ EVA
❯ PP	❯ PVDF	❯ NBR
❯ PS	❯ PEEK	❯ SILICONE
❯ PC	❯ POM	❯ RUBBER
❯ ABS	❯ PAI	❯ NEOPRENE
❯ PMMA	❯ ASA	
❯ PA	❯ PSU	

The performance & accuracy depend on a number of factors, such as the cleanliness of the samples and correct measurement technique.

Please note that PlasTell is unable to identify black/dark plastics containing the carbon black pigment.

Speak to us for further details!