

'Say ahh': Chinese robots take throat swabs to fight Covid outbreak

January 13 2021



In Shenyang, China, robots were deployed to take Covid-19 throat swabs as part of a mass testing campaign to stamp out local outbreaks

A Chinese city deployed robots to take COVID-19 throat swabs on Wednesday, as the country ramps up mass testing to stamp out local

coronavirus outbreaks.

In the northern [city](#) of Shenyang, robotic arms, built to collect samples quickly while lowering the risk of cross-infection between people, were used as part of a campaign to suppress a rise in cases in the surrounding province.

Seemingly unperturbed by the futuristic scene before them, people waiting in line placed their government identification cards in a scanner, before a recorded message in a polite female voice instructed them open up their mouths.

A [robotic arm](#), sheathed in a layer of protective plastic, then extended a swab stick through a hole in a screen and towards their tonsils.

A human colleague in a hazmat suit controlled its movements from a [safe distance](#) away, guided by a camera on the robot.

China had largely brought the virus under control since it first emerged in the central city of Wuhan over a year ago.

But in recent weeks, China has seen fresh local outbreaks across the country, prompting localised lockdowns, [travel restrictions](#) and widespread testing of tens of millions of people.



The robotic arms are operated by human colleagues, who use a camera to guide their movements



The robots have been built to collect samples quickly while lowering the risk of cross-infection between people

More than 20 million people are now under some form of lockdown in the country's [northern regions](#).

During the pandemic, robots have been used to replace humans in roles ranging from hotel porters to food delivery drivers, amid fears that contact with service workers could spread the virus.

© 2021 AFP

Citation: 'Say ahh': Chinese robots take throat swabs to fight Covid outbreak (2021, January 13) retrieved 20 September 2024 from

<https://medicalxpress.com/news/2021-01-ahh-chinese-robots-throat-swabs.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.