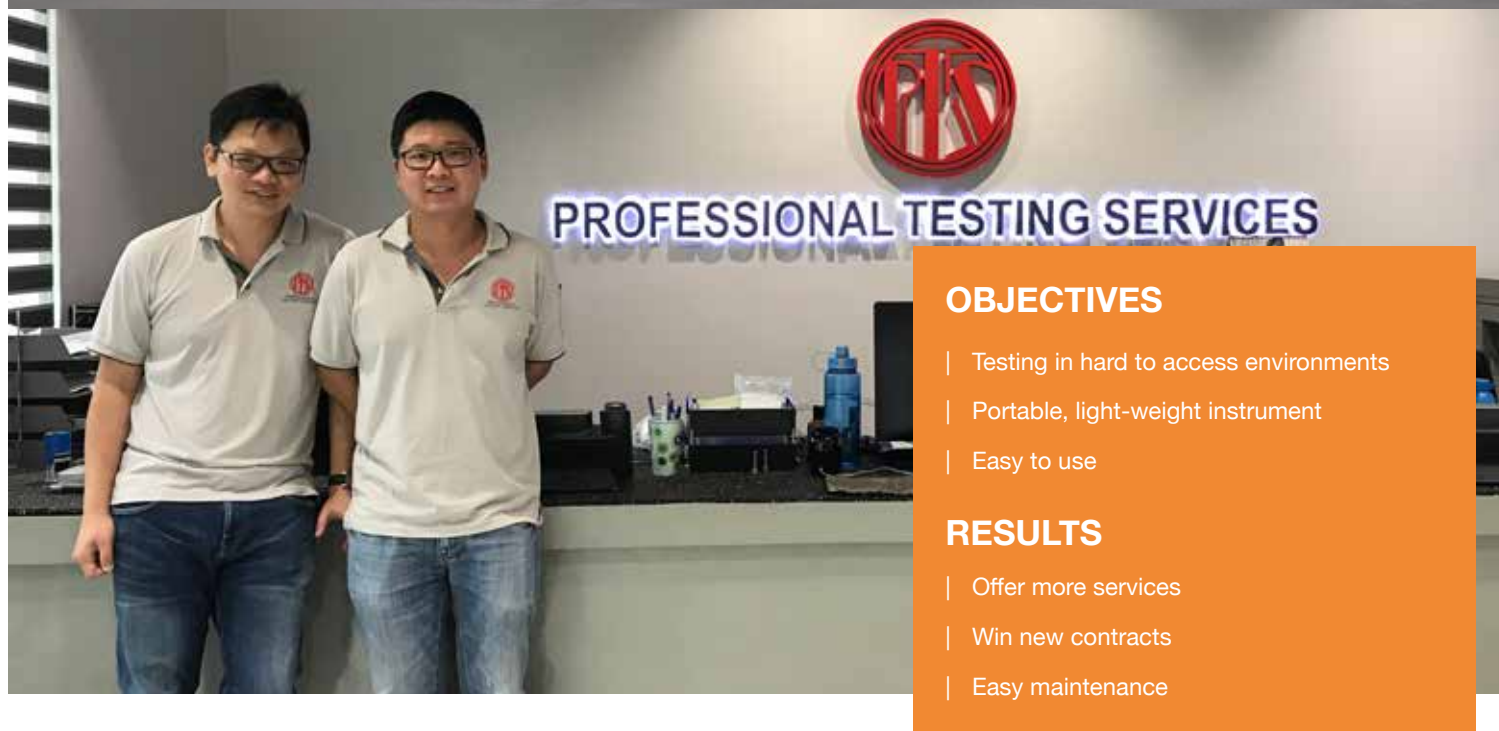


PMI-MASTER Smart



OBJECTIVES

- | Testing in hard to access environments
- | Portable, light-weight instrument
- | Easy to use

RESULTS

- | Offer more services
- | Win new contracts
- | Easy maintenance

Whatever the environment, PTS relies on their PMI-MASTER Smart to get the job done for their clients

Professional Testing Services (PTS) wanted to expand their capability to meet the needs of their customers by being able to do material analysis on-board vessels and on-site, especially in more difficult or hard to access environments. PTS provides third party testing services mainly for the verification and sorting of material. In the past the company had to take a sample that was then delivered to a laboratory for testing and results. Thanks to their purchase of Hitachi High-Tech's PMI-Master Smart portable OES analyser, it has allowed them to offer a wider range of services, including on-site measurement and testing as well as achieving low limits of detection for key elements like carbon, nitrogen, phosphorous and boron.

NEW BUSINESS OPPORTUNITIES

PTS is a test laboratory specialising in fast, reliable and accurate testing of metal since 1985 with facilities in Singapore, Malaysia and Indonesia. They offer a comprehensive selection of tests and inspection services including mechanical tests, chemical and metallographic analysis, corrosion tests, non-destructive tests, welding consultancy and weld inspection, and failure analysis. With the purchase of the PMI-Master Smart from Hitachi High-Tech, PTS has been able provide services for on-board and on-site testing, which they struggled with before as they didn't have the right equipment.

“ Since the purchase of the PMI-Master Smart, we've been able to accept material testing assignments at refineries, chemical plants and on-board vessels where we need to provide accurate analysis on-site. ”



The PMI-Master Smart optical emission spectrometer (OES) can be easily dismantled and brought on-site for testing. This helps the team to analyse metals more accurately, especially for iron and steel based testing programmes, and the team can now accommodate on-site testing requests especially on-board vessels/ships and chemical plants. With vessels, when they come to shipyards, their testing and inspection work also helps with the repair and maintenance.

Mr KL Ong, NDT department head, commented, "When we need to do an inspection on-board a vessel or a ship, or for example a chemical plant where we have to carry the analyser seven or eight floors up, then the PMI-Master Smart is the best option. In the countries we cover, the rules and regulations in process environment plants are strict, so we cannot carry more than 20 kg."

EASE OF USE AND PORTABILITY MATTERS

PTS' NDT team of engineers and technicians is now able to meet most of their customers' requirements thanks to their purchase of the PMI-Master Smart. Their customers need certification for their materials, so PTS need to be able to perform reliable positive material identification (PMI) on-site. This includes providing the grade or making sure components being put into use match in grade. With all of Hitachi High-Tech's OES analysers, the most comprehensive metals grade database comes as standard, making finding equivalents to foreign metals and comparing alternatives side by side an easy job. Ultimately, it was the portability and ease of use to other similar analysers on the market that made choosing Hitachi High-Tech's PMI-Master Smart is easy.

If you'd like to see the PMI-MASTER Smart in action, visit www.hitachi-hightech.com/hha or book a demo.



MOBILE OES RANGE

Our optical emission spectrometers (OES) offer the highest levels of accuracy and precision for analytical results. A powerful yet easy-to-use software package covers almost every application and the analysers come with most comprehensive grade database available for easy and reliable grade identification. Suitable for any metalworking application, starting with tramp element analysis for scrap to inspection of incoming materials and QA/QC in the manufacturing process.

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