

BLOCK 10

BX-P SAMPLE PRESS

Optimal samples at a lower cost.

The innovative **BLOCK 10 BX PRESS** is a field portable hydraulic press designed to produce a densely-packed, homogenous, sample puck that can be measured by pXRF (and a range of non-destructive sensors) without the signal attenuation resulting from the use of a film coating and/or poor packing.

The press is rugged and portable, ideal for use in field camps and onsite laboratories and is supported by a global network of Block 10 partners.



The denser, flatter and more uniform puck provides a more reliable surface from which to gain a quality analysis. With no film required between the pXRF analyser and sample, the risk of a weaker or poor signal is eliminated. The same puck can also be used with other non-destructive testing techniques such as spectral analysis and LIBS.

BLOCK 10

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HYDRAULIC SAMPLE PRESS

Improved Analytics

The BLOCK10 BX PRESS comes with a custom designed funnel and sample die to ensure the highest quality, consistent and repeatable, sample puck ensuring data confidence and improved analysis, especially for light elements. Using the pressed puck with XRF systems, light elements such as Al have a consistently higher response (8 – 15%). This will flow through to decreased detection limits and better precision for light elements.

The consistent workflow of the press will also reduce inter-sample variation resulting from poor packing of material and other inconsistencies, making data analysis more reliable.

Standard or Premium Puck

The BLOCK 10 BX PRESS is provided with two separate dies for making the puck. The STANDARD puck is produced without a protective sleeve and is most useful for minimising costs when the sample will be discarded after analysis, or analysis is performed immediately after pressing. The PREMIUM puck is produced within a custom plastic sleeve that makes the sample very robust for longer term storage, potential re-assaying or archive, and reduces cleaning time after each sample.

The plastic sleeves are sold in boxes of 500 and can be easily labelled for reference.

Transportable

The BLOCK10 BX PRESS is light in weight compared to other commercial sample presses, being under 30kg. It can be safely transported in a robust and easy to pack protective case.



TECHNICAL SPECIFICATIONS:

Weight

Press	25 kg
Press with case	28.5 kg
Hydraulic Kit (incl. case)	19.8 kg

Maximum Pressure 5200 Psi (35.8 MPa)

Puck Size Ø25mm x 15mm high



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