

MILLMATE™

The MILLMATE™ is a pneumatically actuated lifting aid for reducing the manual effort required when moving larger ring mill bowls between the Labtech Essa model LM1 or LM2 mill and the work bench.

The Labtech Essa MILLMATE™ is a special purpose radial slewing hoist for supporting the weight of the pulverising bowl while being transferred between the laboratory mill and work bench. It is particularly suited to reducing operator effort when Labtech Essa bigger bowl assemblies such as the B2000 are being used on the Labtech Essa models LM1, LM1.5 or LM2 mills. Adaptations are also available for smaller bowls (and a special purpose adaptation is standard with the Labtech Essa model LM5 mill).

The MILLMATE™ hoist is mounted on a vertical mast that fits conveniently between the mill and work bench. The hoisting movement is achieved pneumatically while the operator provides the small amount of manual effort required for the radial slewing movement.

The whole bowl assembly is supported in a “weightless” condition during the transfer between the mill and bench (and return) in a special cradle suspended by a link chain from the tip of the MILLMATE™ hoist. The cradle is manually manoeuvred by the operator to pick up and set down the bowl. Manoeuvring is quick and simple, being aided by two thumb operated push buttons in-built in to the cradle for controlling the pneumatic hoisting motion.



A Labtech Essa model B2000 bowl being carried “weightless” in the MILLMATE™ cradle. Note operators left thumb on one of the two push buttons that are used to raise and lower the cradle.

The MILLMATE™ is particularly suited to use on pneumatically clamped mills because it shares the same air supply. It is offered as an optional extra for Labtech Essa model LM1, LM1.5 and LM2 mills.



**Labtech
Essa**

www.labtechessa.com.au

Labtech Essa Pty Ltd
8 Yelland Way, Bassendean
Western Australia 6054, Australia
Phone: +61 (08) 93773677
Fax: +61 (08) 93773420
email: mail@labtechessa.com.au

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