

SAMPLE PREPARATION VACUUM WASTE DISPOSAL SYSTEM

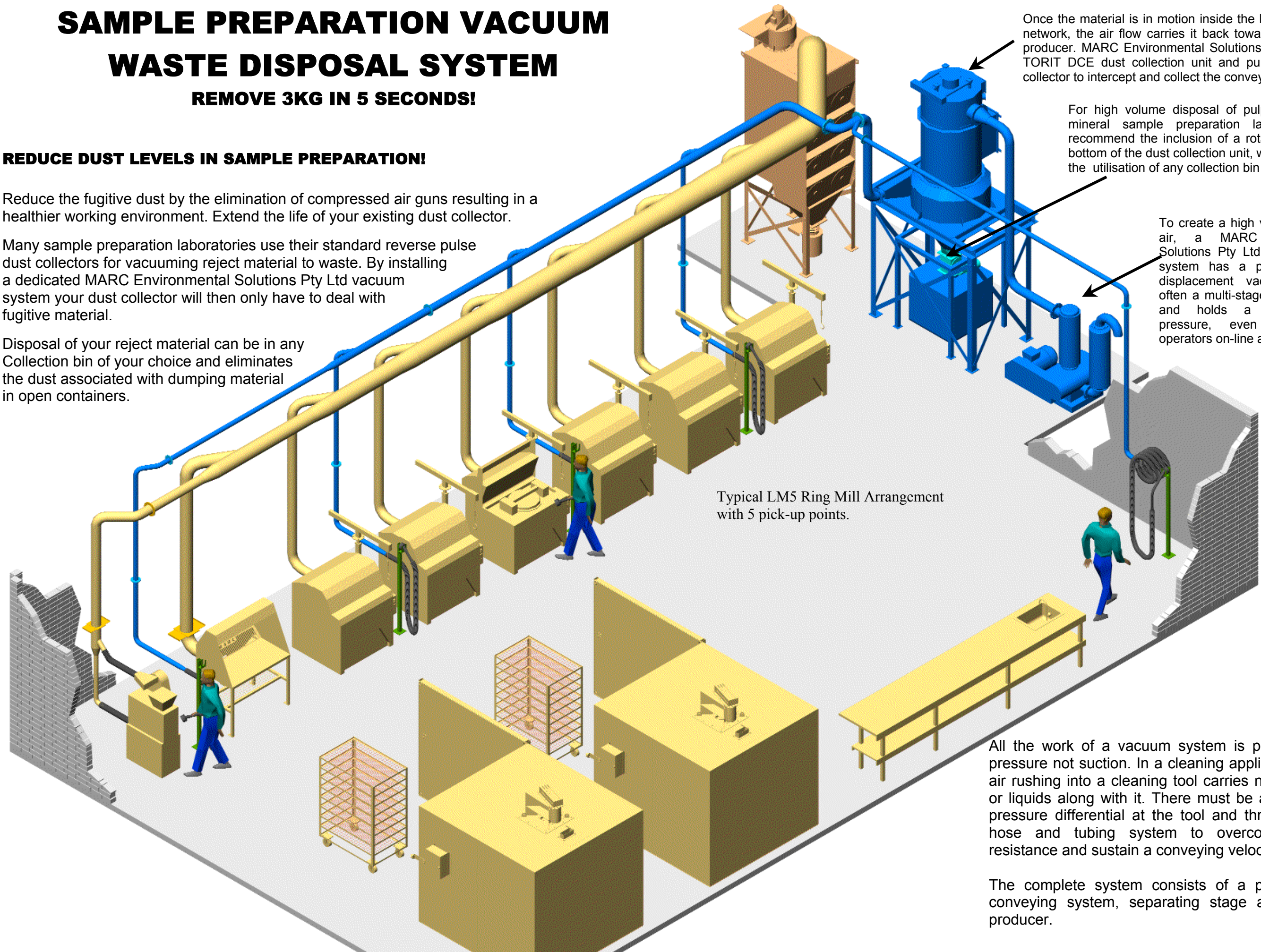
REMOVE 3KG IN 5 SECONDS!

REDUCE DUST LEVELS IN SAMPLE PREPARATION!

Reduce the fugitive dust by the elimination of compressed air guns resulting in a healthier working environment. Extend the life of your existing dust collector.

Many sample preparation laboratories use their standard reverse pulse dust collectors for vacuuming reject material to waste. By installing a dedicated MARC Environmental Solutions Pty Ltd vacuum system your dust collector will then only have to deal with fugitive material.

Disposal of your reject material can be in any Collection bin of your choice and eliminates the dust associated with dumping material in open containers.



Typical LM5 Ring Mill Arrangement with 5 pick-up points.

Once the material is in motion inside the hose and tubing network, the air flow carries it back towards the vacuum producer. MARC Environmental Solutions Pty Ltd uses a TORIT DCE dust collection unit and purpose built pre-collector to intercept and collect the conveyed material.

For high volume disposal of pulp material from mineral sample preparation laboratories, we recommend the inclusion of a rotary valve at the bottom of the dust collection unit, which will enable the utilisation of any collection bin of your choice.

To create a high velocity inrush of air, a MARC Environmental Solutions Pty Ltd central vacuum system has a powerful positive displacement vacuum producer, often a multi-stage unit that builds and holds a high negative pressure, even with several operators on-line at the same time.

All the work of a vacuum system is performed by pressure not suction. In a cleaning application, room air rushing into a cleaning tool carries nearby solids or liquids along with it. There must be an adequate pressure differential at the tool and throughout the hose and tubing system to overcome system resistance and sustain a conveying velocity.

The complete system consists of a pickup point, conveying system, separating stage and vacuum producer.

MARC Environmental Solutions provide "Innovative and Specialised Engineered Products and Services"

Phone: 61 8 9356 4000 Fax: 61 8 9350 9333 email: marc@labeng.com